

# 16-inch 29, 18-inch 30, 20-inch 44, 22-inch 46, 24-inch 56, 28-inch 56, 28-inch 66, 30-inch 76, 33-inch 86, 38-inch 96, with Trays and made of clear dry wood. Packing cases made to order and lined with tin or zinc 6d, per super foot. WHITE DEAL BOXES.

Given by John B McKenzie Esq.



# HOPPUS'S

# PRACTICAL

# MEASURER;



# MEASURING

# A llew Set of Cables,

WHICH SHEW, AT SIGHT,

The Solid Content of any Piece of Timber, Stone, &c. either Square, Round, or Unequal-sided, and the Value at any Price per Foot Cube.

#### ALSO,

The Superficial Content of Boards, Glass, Painting, Plastering, &c., with copious Explanations of the Uses and Applications of the Tables.

Contrived to answer all the Occasions of Gentlemen and Artificers, far beyond any thing yet extant;

The Contents being given in Feet, Inches, Quarters, and Twelfth Parts of an Inch.

## A PREFACE.

SNEWING THE EXCELLENCE OF THIS NEW METHOD OF MEASURING ;

And some curious Observations concerning Measuring of Timber by several Dimensions.

# EDINBURGH:

OLIVER AND BOYD, TWEEDDALE COURT. LONDON: SIMPKIN, MAESHALL, AND CO.





To face Page 111 Preface. 6 12 10 Example IPage III Pig.1 Example II Page III 127.0 N 01 20 614 81 610 -Fig 3Page XIV Fig 6 Page XXIII WYY 3 Fig 4 Page XI B E D %Girt %Girt 4.Girt '/Girt 1/4 Girt 1/4 Girt 1/4 Girt 201/2Tuches 15 Tuches 17 Inches 24 Inches 6% Inches 3 Inchies 10 Inches D PuneXIX A E Jo Feel Longth of Length of AG 24 Feet Fig 5 Measured by 3 Dimensions settid Feet The Part C G by 2 Dimensions Solid Feet 234 (10 1/4 The Picce {CE measured Singly makes 104/ EG The Piece measured Singly makes (EG)2 1/1 Sas 3 Pieces. as 1 Piece4 3.5 % The Total (as 2 Pieces as I Piece 12 1/2 The Total 30% 11 Gained by 3 Dimensions 51/2 Gained by 2 Dimensions 1 1/2



10 Fin 2 Fig.3.Pan XIV Page 4Girt 'Girl Fig 5 Free G by 2 Dimensions (10 1/4 casured Singly makes 24 11 d by 2 Dimensions 1 1/2

# PREFACE.

#### EXAMPLE I.

# (See the Plate facing this page.)

LET fig. 1. (marked A B) represent the end of a piece of timber or stone, so unequalsided as 18 inches broad and but 6 inches thick.

Now to find the true square of this piece, Keay directs you to add together the two sides, viz. 18 and 6, which makes 24 inches; and if you take half of that number, viz. 12; says be you have the true square: whereas by these new tables, and in fact, it is not quite TO' inches.

#### DEMONSTRATION.

Let fig. 2, represent a square of 12 inches encb side, ben divide fig. 1, (b) the strongest dotted line) into two equal parts, and like that part marked B, and parts morido fig. 2, then in the the other part morido the structure of the structure of the strucburg of the structure of the structure of the square; and consequently the bayer, if he relies upon the advice of the buddens more timber than in resulty be bay, to ought to pay for.

But this mistake of 5s. in the pound, you shall see, is only one of Mr. Keay's peccadillos.

#### EXAMPLE II.

## (See the Place facing this page.)

Let  $B_{2}$ . I. (marked D E) represent the end of a piece of timber, so unequal-sided as 18 inches broad and but 2 inches thick, Now if you rely upon Keay, and add together the two sides 18 and 2, it makes 20 inches. Half of which, says he, is the true side of the equare, but 2, 10 inches: whereas by my tables, and in truth, the true side of the square, is but 6 inches.

#### DEMONSTRATION.

Let fig. 2. represent a square of 10 inches each side then divide fig. 1, (by the strong-

## PREFACE

est dotted line) and take that part marked 2 likewise; and when this is done, there will plainly appear to be wanting all the dotted part F, which is near two-thirds 7s. 2 id. must, if he is guided by Keay, pay 20s. which is 12s, 9.d. in every 2.s.

From these demonstrations it is plain

				8.	d.
•	Should be paid			7	24
	Keay advises yo	to pay to	o much	 12	28

But perhaps the above manner of demonstration,

Suppose you have a piece of timber, each side whereof is 12 inches (or a foot square), these multisize, there will be a fallacy in the above-mentioned

For was one side 13 inches, and the other 11, these added together, the half will still be 12 for the

But if multiplied together, (as they always ought

#### AGAIN.

If one side be 16 inches, and the other 8 inches, these added together, the half is also 12 for the true square : but multiplied, it is only 128 - so that in

Let us now re-consider Examples I. and II. arithmetically. In Example I. 18 multiplied by 6 is but 108, and

consequently Keay's rule, which makes it 144, is exceedingly false, that being 36 superficial inches too much in every foot in length, be there ever so

In Example 11, where the different sides are 18 and 2; these added make 20, whose half is 10, which being multiplied by itself (viz. 10 by 10) is 100; and consequently, if you have any thing to do with Keay's rule and tables, you certainly pay for 64 superficial inches in every 100 inches, more than you have, which is above 122.9d. in every 200, more than ought to be paid, as was before geometrically

#### PREFACE.

binned! to determine in the business of Maxwa and Truxa, hefore he is well assured of his own abilities for such as madertaking, and is resolved to make some conacience of what he publishes. If a due regard had always heen paid to this consideration, we should never have met with any formal pretender, presuming to teachothers those things which it is evident he did not understand himself.

I should scorn to make these observations at all for the sake of dispursing the performances of others, or to huild myself a repartation on their runts that I think the plan trath of things, without favour or affection; and I an antisfield, if this conduct were often practised, both the vere cadesvours to promote that, let the were cadesvours to promote that, let the he certainly inys the public under the greatest obligations.

<sup>5</sup> By this time, it is to be presumed, no mm can doubt the public to be in want of a new set of tables for measuring all these large present them with, by giving the set of the set of the set of the set of the method, and hest satisfies the set of the method, and hest satisfies the set of the principally intended. I say the method of these tables, icknei it cores name enough the truth, end can be at sight conceived, is much preferable to the light conceived, is much preferable to the light conceived, and forth and use of by Favy.

The table of Superficini or Flat Measure is new, and is extended to 24 inches the breadth, (which is double the breadth of Keay's), and is calculated to the exactness of a quarter of an inch; which renders it very nseful to gluziers and others who measure flat work to the greatest exactness, which Keay's table of flat measure does not, by reason he has omitted the quarters.

Sensible of the consequences the mistakes in printing must occasion in works of this nature, I have been careful in exaoining each number throughout the book, so that I have reason to believe they are all exact, and, therefore, both the buyer

#### PREFACE.

and seller may depend upon meeting with mutual justice from these tables: which, it is plain, from what has been said above, they are not to expect from Keay's, where the press-errors are gross and numerous.

T believe nobody can doubt these tables being as extensive as was consistent with my design of making them a cheap Pocket Companion; and if the public reap the advantage from them which I intend they should, it will be anyle satisfaction to me and I think they can have no reason to complain." E. H.

N. B. The new Tables shewing the value of timber, stone, &c. (cut to any size or scantling) per foot cube, added to this New Edition, we dare say, will be found so very useful to all who are concerned in building, that we need not think of making any apology for inserting them.

#### · POSTSCRIPT.

The list of the present prices of locks, bolts, hinges, mils, dec. in the Appendix, is entriedy new, and nill of such intelligence as must afford great satisfaction to those who desire to be good busknown in the affairs of building. And therefore I am persuaded it will be well meeting who consult it.

The prices I have set down are such as they are now sold at by the wholesale smiths and irronnongers, either to workmen or gentlemen, who take them in such quantities as I have set them down, (viz, some single, and some in dozens, &c.); for those retailers, or shopkepers, who buy of these large dealers to sell again, have them for less than I have set down, viz, at the retailers price.

Bark sometimes heard invession to people, as well as those whose interest is the tath the real value of these series of goods should remain a secret, object against the publishing any thing of this kind; becomposing to the behavior devices of the sind; becomposing to the behavior devices of the sind; becomposing to the behavior devices of the sind section which they want, but are forced to take what they have occasion for from the retailer in the country, at his pirce, and of which say they, you have not taken in the least notices. It assistentions : That it is impossible, in the assistent of the thing.

That it is impossible, in the nature of the thing, there could be any one book of rates for these goods which would hold equally in all parts of the kingdom allife.

Tr. That many of the country retailers are very arbitrary, and will not at all be satisfied with a moderate profit, which the wholesale dealers must, for he who is not, can have little or no humers, and though the gentlement and workmen are not always well acquinities always are, and knowing the thereat the heat of these foods. Yet the heatistre always are, and knowing the thereat them beth.

111. For these reasons in which I have been comfranal by the advice of several akilds and intelligent workmony I have chose to set down those prices only which the wholesale divalent state of gentlemen and workmen, because from these it is evaser and safe both for the gentleman and workmen to draw, more advantageous and beneicial conclusions, thau from any other prices whatsevert.

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#### THE

# EXPLANATION AND USE

Of the Four following

# TABLES

FOR FINDING

The value, per foot cube, of Timber, Stone, &c. cut to any size or scantling.

(Beginning page 130 and ending page 141.)

THOUGH these tables are six in namber, yet being all of the same nature, and only differing in price, if I explain and show the use of one, the other five will he understood of course. And whenever understands the use of the table of unequalsided timber, on page 2, can need very little instruction to understand these, which are much of the same nature.

I At the beginning of the table at is, 6d, per foot cube (page 130), belivity 2 parailel lines, stands 2 inches square, which is the thickness of the lesser side of the piece you would find the value of, and under the said parallel lines are three rows of figures. In that column to the left-hand, divided from the other two by a black line, is the breadth, or larger side of the piece to be valued.

II. The second and third rows of figures (which stand opposite the brendths, or larger sides, in the first column) show the value of one foot in length in pence and the eighth part of a penny, in the tables at 16 dd.  $z_2$  and 2s, dd, 1 m in in the tables from  $3a_x$  to 4s, the value is given in pence and farthings.

#### EXAMPLE I.

What is the value of one foot in length of a piece of timber, stone, &c. whose size or scautling is 6 inches by 9 inches, at 18d per foot cube.

## Use of the

In the table at 1s, 6d. look for 6 inches square betwixt the parallel lines, keeping your eye down the left-hand column till you come to 9 inches, and opposite it stands 6: 6, which signifies 62d. (six-eighths of a peuny heing equal to 3 farthings) the value south.

# EXAMPLE II.

If you have a piece of timber or stone, the end of which is  $4\frac{1}{2}$  inches thick, and  $11\frac{1}{2}$  inches broad, and would know what is the square of it :---

Look for  $4\frac{1}{2}$  the thickness (or lesser side; betwirt the parallel lines, keeping your eye down the left-hand column for 114 (the breadth), opposite which you will find  $4\frac{1}{2}$  inches; that being the square side of a piece of timber or stone, equal to  $4\frac{1}{2}$ inches thick and 114 broad.

#### EXAMPLE III.

Let there be a piece of timber whose thickness at the end is  $20\frac{1}{2}$  inches, and the breadth 34 inches, the square side of which will be found to be 314 inches.

Note.—If any one should object that the quarters of an inch are not considered in this Table of Unequalsided Timber, to such it may appear (from an example or two) that to have taken notice of the quarters in the table would have been tunnecessary; because there is no square side to be found nearer than what I have calculated.

#### EXAMPLE IV.

If you have the end of a piece of timber 54 inches thick, and 74 inches broad i—in this cave, take the quarter from the larger side and add it to the smaller side, when it will be 7 inches broad by of inches thick. Then look in the table for 6, hetwirt the parallel lines, and opposite 7, in the lefband column, you will find 64 inches, which is the true square.

# EXAMPLE V.

If you have the end of a piece of timber  $15\frac{1}{4}$  inches thick, and  $19\frac{1}{4}$  inches broad, call it 16 by 19, whose square side in the table is  $17\frac{1}{4}$  inches.

Note—H a quarter of an inch happens to one side only, you may reset fit without any material loss. For the above method will be sufficiently near in all cases, provided you remember to take the quarter from the larger side, and add it to the lesser side. But lest any one should entertain a prejudice against this table, by reason the quarters are omitted, let him table the following =—

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#### EXAMPLE VL

Let there be a piece of timber to unequalistated as 174 junches brond, and but 34 inches thick, by the above rule call it 34 junc 177, the equares all of which, by the table, for the state of the state of the state of the trary way, and call it by 175, and the manner side, by the table, is 24 inches; and therefore, in this case, the truth will be means hetwise 174 and 134, which is 75, and that is the extract squares side of a piece of timber 174 inches by 35. For where other, you should look for it hoth ways, and take the mean betwist the extreme.

Note.—Though it is seldom or never likely to happen in practice, yet I will suppose you have occasion to find the square side of a piece of timber or stone. too large for the extent of this table.

#### EXAMPLE VII.

You have a piece of timber 60 incluse (or 5 feet) thick, and 90 incluse (or 8 feet) broad, and want to know the square side of it:—Take half the thickness (of 60) which is 30, and half the brendth (of 70) which is 30, Look in the table for 30, betwixt the parallel lines, keeping your yee down the teh-hand column, (ill you come to 45, and opposite that is 35 incles, yee down the fuel-hand column is a single for which is one half of the square side of the piece, and that doubled makes 75, and is the square side of the piece required.

Vide Example VI. in Solid Measure, page xij.

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#### THE

# EXPLANATION AND USE

# of the following

# TABLE

#### OF

# SOLID MEASURE.

(Beginning page 24, and ending page 128.)

I. THIS table begins with 2 inches, the side of the square, and by the addition of a quarter of an inch, enlarges itself to the extent of 54 inches (or a yard and a half), the side of the square.

II. Every page of this table consists of two distinct parts, divided from each other by a double line; and at the top of each of the said parts is set down the side of the square, or one-fourth of the girt, or circandference, of the piece of timber, stone, or other solid, intended to be measured.

III. The first' column to the left-hand shows the several lengths, in feet, from one quarter of a foot to 45 feet, and of such a piece of timher, whose side of the square (or  $\frac{1}{2}$  of the girt) is set down at the top.

IV. The three rows of figures in the second column, marked at the top with fr. In. Pa. is the solid content in feet, iuches, and 12th. parts of an inch, answering to every foot in length, in the left-hand column.

# To measure Square Timber.

 With a two-foot, or any other rule, measure the length of the piece in feet, and set it down in your memorandum book.

 Then with your rule, if your timber he equal-sided, take the side of the square in inches and quarters, if there he any, and set that down likewise.

But note, that if your timber, or stone, be unequalsided, i. e. if it be broader one way than the other, in this case you must first reduce it to a square by

# Use of the Table of

the table of unequal-sided timber, beginning page 2 and ending page 22.

3. Having set down the length in feet, and the side of the square in inches and quarters, as above directed, look at the log of the table of Solid Messare for the side of the square, and having found that, keep your eye down the left-hand column till you find the length of your piece in feet, may may any other the solid messare provide the solid messare in feet, inches, and 12th parts of an inch.

#### EXAMPLE I.

You have a piece of timber 10 feet long, and the side of the square is 7 incheswhat is the solid content of it?

At the tcp of the table of Solid Measure find 7 incces, the side of the square, and keep your eye down the left-hand columus till you come to 10 feet, the length of your piece, and opposite which you will find 3:4:10 (viz. 3 feet, 4 inches, and 10 twelfth-parts,) heing the solid content of the piece required.

#### EXAMPLE II.

The length of a piece of timber is 19 feet, and the side of the square is 14<sup>±</sup>/<sub>4</sub> inches—what is the solid content?

Having found  $14\frac{1}{2}$ , the side of the square, look for 19 feet in the left-hand column, and opposite it stands 28 feet, 8 inches, and 5 twelfth-parts, which is the solid content of a piece 19 feet long and  $14\frac{1}{4}$  inches square.

# EXAMPLE HI.

The length of a piece of timber is 40 feet, the side of it one way is 4 inches and 16 inches the other way—what is the solid content?

Note .-- These differing sides must be reduced to a square by the table of unequal-sided timber, as already taught, which square appears by the said table to be s inches.

Having found 8 at the top of the table of Solid Measure, look for 40 feet (the length of the piece) in the left-hand column, opposite which stands 17 feet, 9 inches, and 4 tweifth-parts, the solid content.

Note.—Keay's rule and tables make the content to be 27 feet, 3 quarters, and 48 inches, which is 9½ feet too much, or 9s. 6d. in 27s. too much.

#### EXAMPLE IV.

There is a piece of timber 40 feet long, but the sides nnequal, one side being 3

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## Solid Measure.

inches and the other side 18 inches--what is the solid content?

Having reduced the sides (by the table of unequal-sided timber) to a square, it appears to be 7 inches and 1 quarter. Then, at the top of the table of Solid Mensure find  $7\frac{1}{4}$ , the side of the square, and opposite 40 feet long, in the left-hand column, stands the content, viz. 14 feet, 7 inches, and 2 twellh-parts.

Note.—Had this example been resolved by Keay's tables, and the rule he lays down for the measuring unequal-sided timber, the answer, instead of being 14 feet 7 inches, would have been 303 feet, which is 16 feet too much.

When a piece of timber to be measured happens to have any odd parts of a foot in the length, as

#### EXAMPLE V.

Suppose a piece of timber to be 48 inches square, and  $22\frac{1}{2}$  feet long-what is the solid content?

Look in the table of Solid Measure for 48 inches, the side of the square, and 22 feet, the length, then find the  $\frac{1}{2}$  inch at the bottom of the table, and by adding these together yon have the solid content, viz.

				FT.	IN.	PA,
22 feet	long i	8.	 	352	0	0
1 a fool	long	is.	 	8	0	0

#### The content required 360 0 0

Note .- Except the timber be so large as to carry a square of 30 inches, the balf foot, or quarters, are seldom regarded.

Though it is seldom (or never) likely to happen in practice, yet we will suppose you have occasion to mensure a piece of timber or stone, whose side of the square is above  $\delta 4$  inches (or a yard and a half), which is the largest square in this table.

#### EXAMPLE VI.

You have a piece of timber whose side of the square is 76 inches, and the length 37 feet-what is the solid content?

Since yon cannot find 76 inches, the side of the square, in the table, take the  $\pi_{AF}$ of it, which is 35; find 35, the side of the square, and opposite 37 feet, the length, is 371 to 14, which set down  $\pi$ ,  $\pi$ ,  $\pi$ . four times,  $\pi$  and added together 371 to 4 gives the content of the whole 371 to 4 gives the content of the whole 371 to 4 gives the content square, and 371 to 4 inch, and 371 to 4 linch, and 371 to 4 linch.

#### xii

Use of the Table of





## OF HEWN TIMBER.

Note-11 is contournely, where here timber area to encounted, to mode set of a large part of equipper to encounted, to mode set of a large part of equipper to the set of the set of the set of the set of the set in the multiple, between both encircles (1) whether of the sequence of the set of the set of the set of the sequence the piece will carry throughout. But this method is securities equipped to a large set of the sequence the piece will carry throughout. But the piece particular set of the set of the set of the sequence the piece will carry throughout. But the piece particular sequence is the set of the

# To measure Round Timber that is not tapering.

 With a rule measure the length of the piece in feet (and quarters of a foot, if necessary) and set it down in your memorandum book; then reduce it to square timber, thôs—

2. With a chaik line, or pack-thread, gird the picce in any place; then double the line twice, and you have one-fourth of the girl for the side of the square, which you must exactly measure upon your rule, and set down in inches and quarters of an inch. Having thus reduced the round timber to square timber.

3. Look at the top of the table of Solid Measure for the side of the square, equal to one-fourth of the girt, and keep your eye down the left-hand column, till you find the length of the piece in feet, and opposite which stands the content of the piece sought in solid feet, inches, and twelfth-parts of an inch.

#### EXAMPLE.

Let the length of a piece of round timber be 45 feet, and the girt 44 inches, one-

#### Use of the Table or

fourth of which is 11 inches-I demand how much timber this piece contains ?

At the top of the table of Solid Measure find 11 inches, the side of the square, (which is equal to one-fourth of the girt), and in the left-hand column, opposite 45 (the length of the piece in feet) stands 37 : 9 : 9, that is 37 feet, 9 inches, and 9 twelfth parts (or 1) of an inch, which is the solid quantity of timber the tree contains.

# To measure Tapering Timber.

Tapering timber is timber that is smaller at one end than the other, as figure 3, and consequently it will not carry the same square from end to end throughout the whole piece; when you have found what square the tree will carry throughout, by taking one-fourth of the girl, (as you were taught on page xiii) you must proceed exactly as in the case of round timber

To find what square a tree will carry throughout, the shape or figure of the tree should he very carefully observed, and if the sides of the tree are straight from end to end, as ligure 3, then it may he girt, and the square taken in the middle, frum the butt end and top, as is the commun practice amongst wurkmen; or you observe this

Take one-fourth of the girt at each of the ends, add them together, and take half of the sum for the side of the square, which the tree will carry throughout, as you will find exemplified in example III, page xi,

Note .- If the tree does not taper gradually, but is Note — If the tree does not taper granually, one to mean the thick, then you may get it to fener; a biver temenhering to divide the sum total of the times the piece was grindel, and it gives the side of the square the tree will carry throughout. If you have any odd parts of a foot in the length of a tree, you are to proceed as directed in the case of square inhere having odd parts in the length. See

Luge xi.

Let the circumference of a tree, or piece of round timber, (found by girding it) he 36 inches, oue quarter of which is 9 inches, the side of the square, and let the length of the piece he 40 feet-what quantity of timber is in this piece?

Find 9 inches, the side of the square, and opposite 40 feet stands 22 feet, 6 in-

## Solid Measure.

ches, which is the quantity of timber contained in a piece that is 40 feet long and 36 inches round.

# EXAMPLE II.

Let the girt of a piece of timber be 75 inches, one quarter thereof is 15<sup>‡</sup> inches, the side of the square, and the length of the piece 45 feet—how much solid timber doth this piece contain ?

Find  $18\frac{1}{4}$  inches, the side of the square, and opposite 45 feet, the length of the piece, stands the solid content, viz. 109 feet, 10 inches, and 4 twelfth parts of an inch.

## EXAMPLE III.

Suppose that at the largest end of a tree one-fourth of the girt (or side of the square) is 50 inches, and at the smaller end but 30 inches, and the length of the tree 25 feel what quantity of solid timber does that tree contain?

The	side	oſ	the	square	at the	larger	\$ 50
The	side	of	the	square	at the	smal-	1
le	r end	l is					5 30

## The sum.. 80

Half the sum is 40, inclues, and that is the side of the square which the tree will carry throughout. Having thus obtained the side of the square, look at the top of the table of Solid Measure for 40 inclues, and in the left-hand column for 25 feet (10 inclues, and 4 twellth parts of an inclu, which is the quantity of solid timber the tree contains.

Note.-II you should ever have accasion to measure a tree whose side is more than 54 inches, you must proceed as directed in the case of square timber when the square is more than 54 inches. See page xii.

If a tree should be rounding or bulging out (as fig. 4), so that towards the middle it may be a large, or neav it, as at the bottom, then it must be measured at brive, (which workmen call loggling the pices), vic. the length, A D, that continues of one and the same bigness, or near it, singly by itself, and so also must the remainder, D B, and their quantifies added together will be the content of the whole tree.

Now had this tree (fig. 4.) here measured at once for by one dimension is fig. 2, then its grit would have been taken at F, where it is very small, and all have been taken at F, where it is very small, and all the small houly D, would have even host in the measure. Anal, for this reason, those who are to measure timber should be very eartions how they agree (leafore they legal to measure). But let the fract or small, their girls should be taken there. Be cause where one tree is largest (or its mean thickness) in the middle there are nine or ten that au less, and when their girls are taken at the middle they cannot fail of losing many loads in a large quantity of timber.

If the tree is crooked the length is not to be taken on either the concave (hollow) or convex (outarching) side.

It is a customary allowance to the buyer to take the girt where he pleases between the greater end and the middle of the tree.

Branches or boughs measuring two feet in compass (or 6 inches for \$ of the girt) are reckoned as timber, and their content is to be found and added to that of the tree.

So much of the trunk as measures less than two feet in compass (or 6 inches for ‡ of the girt) is not admitted to be timber.

# Of making an allowance for the Bark.

In measuring trees that have their bark on for sale, it is common to make an allowance to the buyer on account of the the allowance for the bark of elm, beech, ash, &c, should be less. Some measurers insist on one inch out of one-fourth of the whole girt for it, viz. if one-fourth of the girt is found to be 9 inches then I inch is abated, and one-fourth of the girt is reckoned at 8 inches only. Others say that if it is an old thick-barked tree one inch must be abated in one-fourth part of the girt for the bark, but in young growing timber half an inch may be sufficient, as deduction being made, is supposed to reduce the compass to that which the tree will have when the bark is stripped off.

RULE—From the given circumference subtract the allowance for bark, and with the remaining compass find the solid content as already tanght

# Of measuring Timber that is standing.

In measuring timber standing, it is sufficient if yon have a very long pole divided into face only, a pocket foot rule divided into inches, and a ladder to get up with readily, to measure the girt of the iree at the middle height, to which it runs timber. I.e. as far as it will carry a square of 6 inches, or will measure 24 inches round.

ZVŻ

## Solid Measure.

and then you proceed to find the contents as already taught.

I have known a steward who, at his first entering into husiness, was so exact as to take an account of every single timber tree, as well as others likely to become timber, in all the woods within his master's several manors; and he effectually did this to the greatest advantacy, by having a book ruled with proper columns in the following order:

I. To insert the fourth part of the girt of each tree, in inches.

II. The length of each tree, in feet.

III. The number of solid feet in each tree,

IV. The value per foot that each tree is worth, according to its dimensions and goodness.

V. The value of the body of each tree, in proportion to the aforesaid price.

I. The value of the head of each tree.

VII. The value of the hark of each oak tree, which generally holds to be about a third part of the value of the body and bead.

VIII. A column for the value of the hody, head, and hark, added together.

A hook upon this plan can never fail of giving great salisfaction to a master, who has then something to depend upon whenver his necessities, or his inclination, may call for a certain sum of money. Howver, after a sale, the book must be altered, and such trees struck ont of it as are felled.

When an account is taken of the several timber trees, in the (nanner 1 have mentioned.) they should be numbered with from samps made on purpose, in ble bfore the stamp is applied the rough part of the bark should be taken off with a hatchet, that the impression may be made easy and withing; and to make it more leasing the stamps should not go deeper than the bark, when it may last several years by renorming, which is a very desirable circumstance.

The foregoing examples, with what has already been said, are sufficient to make the business of measuring both square and round timber, stone, &c. easy to common capacities. However, (for practice sake) I shall suppose the learner has to measure ten trees, or pieces of timber;—

xvii

xviii

Use of the Table of

Let him set down their numbers and dimensions as in the following columns, and then find their contents as already tanght, and set that down against each tree as under.

. 5							-	
By DARLING. Feet, & 10000 Par	5.6250	17.1875 46.6944	42.6666	40.8888	131.4442	113.4513	255.2083	825.8848
AY. In.	216 378	324 336	288	000	336	348	360	234
KE Qrs	02 02	0 8	07	20	-	-	0	-
By Ft.	5 10	17 46	42	162	131	113	255	825
bod. Pa.	91-	co 4	0	00	+	5	9	-
Metl In.	1- 00	07 OC	00	00	5	2	07	10
New Ft.	5 10	17 46	42	40	131	113	255	825
Length in Feet.	10	11	24	18	28	17	30	otal
Side Square in Inches.	9 104	15 204	16	36	26	31	35	Te
to, of Frees,	- 00	÷ +	- 20	0	30	6	10	

Besides the contents given by this new method. I have likewise set down the contents of each tree as given by Kaza and Dantaxo, to show that the method is more intelligible, and better suited to comand readily methods, for here you have nothing more to do that to earry 1 to the inches for every 12 in the jurty, and 17 the feel for every 12 in the inches; wherenothing more to do that to earry 1 to the feel for every 12 in the inches; whereand 10 the feel for every 4 in the inches, and 1 to the feel for every 4 in the quarter; and hy Dantaxo's method wo must

#### Solid Measure.

carry 1 to the feet for every 10000 in the parts. Both which nnnihers (432 inches and 10000 parts of a foot) are very difficult to conceive, and, consequently, very troublesome and perplexing to every man that is not versed in decimal arithmetic and mensuration.

# Of reducing Timber to loads.

Note .- Measurers and Workmen reckon 40 feet of unhewn or rough timber, and 50 feet of hewn timber, to a load, supposed to weigh a ton, or twenty hundred. For hewn tunber is measured by the at 50 feet to a load. Therefore, When timber is to be reduced to loads, divide the

the loads. Or, Divide the feet, in hewn timber, by 50, and it

gives the loads.

Some curious Observations concerning measuring Timber by several dimensions, communicated by one of his Majesty's Purveyors.

Of measuring fig. 5, (facing page iii) by one dimension, and also by three dimensions, &c.

Now let us consider fig. 5 intended to represent a piece of timber that is 24 feet long, the girt at the butt-end A 8 feet, one-fourth of which is 24 inches, the girt at the top G 12 inches, one-fourth of which is 3 inches, and (as the sides are supposed at D 54 inches, one-fourth of which is 134 inches. Look in the table of Solid Measure for 131 inches the side, and 24 feet the length, and you will find the content of the piece to be 30 feet, 4 inches, and 6 twelfth' parts, which 6 twelfth parts are equal to half an inch when measured by one dimension.

Of the length A E, by one dimension, which is but

Having, as above, found the content of the whole A G, by one dimension, to be

## Curious Observations.

30 feet, 4 inches, and 6 iveelfb parts let us new try what the piece A is vial produce when measured by one dimension, we then having a length only of 16 feet, end of the second second second second G, as hefore), and that one-fourth of the grit in the middle at C is 11 inches. Now if you nook in the table of Solid Messure for 17 heckes, the wide of the sogmer at C, and 16 feet, the length, you will find this for 17 heckes, the length, you will find this the second second second second second 8 feet at the top, from E to G, is cut off and to G and the lenst noise of ; whereas when this top was left on, the whole, from A to G, measured but 30 feet, 4 heckes, and 9 being sets, so that by cut ng off and 9 being sets, so that by cut ng off and 9 being sets and the top with sequences of the set 9 feet of inher.

Note.-The content of this piece A B, we had not room to specify in the plate facing page iii.

# The whole Length by three dimensions.

Now let us consider fig. 5 intended to represent a piece of timber that is 24 feet long, the pirt at the hatt-end & § feet, onefourth of which is 54 inches, the pirt at is 3 inches, and (es the sides are supposed to be nearly streight) the girt in the middle at D 54 inches, one-fourth of which is supres, and 24 feet the length, and you supres, and 24 feet the length, and you 30 for the co-main streight one work of the supression of the co-main streight one of the supersion for the co-main streight one of the streight one of the supression of the streight one of the streight one of the supression of the streight one of the streight one of the supression of the streight one of the streight

Having thus found the content of A G by one dimension to be 30 feet, 4 inches, and 6 twelfth parts, let us now proceed to see what it will produce when it is cut into three equal lengths, and measured by three dimensions, as described in fig. 5. viz.

First-The piece A C, whose length is 8 feet, the girt at the buttened A 8 feet, one-fourth of which is 24 inches, the girt at the top C 3 feet, 5 inches, one-fourth of which is 17 inches, and the girt in the adde at B 6 feet, 10 inches, Look in the table of which is 20 inches. Look in the table of the appare, and 8 feet the length, and you will ind the content of the piece A C to be 23 feet, 4 inches, 2 twelfth parts,

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## Curious Observations.

which is only 7 feet less than the whole  $A \in (24$  feet) when measured together; so that by cutting off 16 feet at the top from C to G, which is no less than two-thirds of the whole length, you do not lose quite 7 soft feet of timber.

Secondy—The piece C E, whose length is also is feet, he grint at the built-ond C 3 feet, 8 inches, one-fourth of which is 17 inches, the grint at the top E 40 inches, one-fourth of which is 10 inches, and the grif is the middle at D 4 feet, 8 inches, one-fourth of which is 13 inches. Look in the tahle of Solid Measure for 13 j inches, the side of the square, and 8 feet the length, when you will find the content of the piece C E to he 10 feet, 1 inch, and 6 twelfth parts.

Thirdly—The piece E G, whose length is likewise 8 feet, the girt at the butt-end E 40 inches, one-fourth of which is 10 incless, the girt at the top G 12 inches, onefourth of which is 3 inches, and the girt in the middle at P 20 inches, one-fourth of which is 05 inches. Look in the table of Solid Measure F0 61 inches, the side of will find the cancent of the piece E 6 to well find the cancent of the piece E 6 to a 2 feet,  $\theta$ , fines, and 24 i wellho parts.

Having thus measured the whole from A to G by three dimensions, let us proceed.

Of measuring part of fig. 5, viz. from C to G, by one dimension, also by two dimensions.

#### By one dimension.

Now let us suppose 5 feet to be cut off at the butternd, viz, from A to C, and proceed to measure the remainder C G. Look in the table of Solid Measure for 10 inches, the side of the square at E, and 10 feet the length, ana you will find the whole contains 11 feet, 1 inch, and 4 twelfth parts.

#### By two dimensions,

Let us now suppose it cut in two in the middle at E, and measure each part by itself. For the first CE you must took in the table of Solid Measure for 13j incles, the side of the square at D, and S feet the length, and you will find CE to contain 10 feet, 1 inch, and g twelfth parts. Let us now measure the piece EG and

2.33

## xii Curious Observations.

by looking in the table of Solid Measures for  $0\frac{1}{2}$  inches, the side of the square at  $P_i$ and 8 feet the length, you will lind E G to contain 2 feet, 4 inches, and 2 twelfth parts; so that the whole of C G measures one solid fout and a haif more when it is measured at twice than it did wheu it was measured at one dimension.

Some useful Observations drawn from the foregoing methods of measuring fig. 5.

This piece of timber (fig. 5.) and the above manner of mesorize it, it well considered, show the inpurdence of those selfers who (thinking it may be un advaninge to flemm) leave the pieces with their togg inper togs on to a great length, much smaller part of the tree than it ought, or would have been if the top had been cut off. And it may likewise serve to have the advantage there is of buying in such a piece of timber (24 feet long) measured by one dimension, and weiling it cut like three pieces, or lengths, of 5 feet each.<sup>2</sup>

And here it may he forther worth ohserving, that though in fig. 5 the sides of the tree are supposed to be instrily straight from the batt to the tog, viz. from A to 67, yet this very warely happens to he the case; for, on the contrary, most press hold an equal the knews (or new it) many feet upage more more more than when they tapper or diminify gradually from the hatt to near the top, as fig. 5 is here supposed to do.

	£ s	. d.
Look in the plate facing page iii, )		
and you will see that fig. 5, measured (		
by 3 dimensions, measures to 353 solid (	1 13	2 2
feet, which, at 12d, per foot, comes to )		
But measured by one dimension it		
measures no more than 804 solid feet (	2 14	2 5
which, at 12d per foot, comes to		
So that this piece of timber fig & the	ugh I	t in
pought in and sold out at the same price	a ner f	hont.
and by the very same method of masen	ring	ant
the of the very salar method of measu	mg,	

For want of room fig. 5 is not drawn by the

The Table of Solid Measure applied to the Freighting of Ships, &c.

The table of Solid Measure (beginning page 23 and ending page 128) and which is particularly explained on page x, &c. having been made use of for many years past hy several judicious merchants, for the expeditious ascertaining the value of the carriage of goods which pay freight by the solid foat; and the table heing as well adapted for the freighting of ships as for the valuing of timher, I have, to this new edition, added the following directions for the benefit of those who would apply it to the freighting of ships, and hut so long as some measurers will he for taking the dimensions, and valuing their amount nearer than others, there will always be room for disputes. See fig. 6 in the plate facing page iii.

Note .- It is usual to make an abatement of one-fifth upon the admeasurement of the package of

To find how many solid feet ( in order to ascertain the freight) are contained in any case, bale, cask, &c. i. e. how many solid feet they will take up in a ship.

Observe that goods paying freight by the solid 'oot are commonly packed up in 1. Cases, chests, or trunks ;

2. Bales, trusses, or bundles; 3. Casks, vats or fats;

and their contents are all found hy one and the same method, viz. taking the length and girting them, thus-

1. With a rule measure the length of the package, and write it down in feet and inches in your memorandum book ; having done this, then you are to reduce the package to a square, which is immediately done thus,

2. With a line, or packthread, girt the package, then double the line together twice, and you have one-fourth of the girt (for the side of the square), which measure upon your rule, and write it down in inches and quarters of an inch. Having thus reduced the package to a square, then,

#### Or Freighting Ships.

3. Look at the top of the table of sclid measure for the side of the square (which is equal to one-fourth of the grt(), and keeg your eye down the left-hand column uiyou find the length of the package in feet opposite which stands the number of solid feet, inches, and twefth parts it contains; hat these twefth parts and the inches are usually rejected unless they amount to haid a foot.

#### EXAMPLE I.

Let the length of a case, chest, or trunk, be 36 inches (which is equal to 3 feet,) and the girl 96 inches ( $\frac{1}{4}$  of which is 24 inches), I demand how many solid feet such a case, dc. contains?

At the top of the table find 24 inches, the side, (equal to 4 of the girt of 96 inches), then keep your eye down the left-hand column, and opposite 3 feet, the length, (which is equal to 36 inches), you have 12 feet, and so many solid feet you are to pay freight for at the price agreed upon.

Note. - When you cannot find the length of the package at once, you are to take it out at twice, as in the following example :--

#### EXAMPLE II.

Let the length of a case, &c. be 54 inches (which is equal to  $4\frac{1}{2}$  feet), and the girt 152 inches ( $\frac{1}{4}$  of which is 38 inches). I demand how many solid feet the case contains?

At the top of the table 5ind 3% inches, the side, (equal to 4 of the girls of 152 inches), then keep your eye down the lefthand column, and opposite 4 feet, the length, is 40:1:4, which write dawn, and at the bolom of the fulle opposite 4 a foot, the length, is 5:1:5 feet, 1 inch, and is the bolom of the table the number of diswifth parts, which is the number of about feet you are to pay freight for at the price agreed upon.

Note.-When you have any inches in the length less than \$, \$, or \$ of a foot, you are to proceed as in the following example :--

#### EXAMPLE III.

Let the length of a case, &c. be  $\theta 2$  inches (which is equal to 5 feet 2 inches), and the girt 122 inches ( $\frac{1}{4}$  of which is  $30\frac{1}{2}$ inches), I demand how many solid feet the case contains?

At the top of the table find  $30\frac{1}{2}$  inches, the side of the square, (equal to  $\frac{1}{2}$  of the girt of 122 inches), then keep your eye

XIXZ

Of Freighting Ships.

down the left-hand column, and opposite 5 feet stands which write down. Then for the 2 inches—I consider that 2 inches is two-thirds of 1 quar-

Ρ.

inches is two-thirds of 1 quar- as 111 there of a fost, and a the bottom of the table is not poposite 4 of a fost, 1 fost, 7 inches, 4 weißh parts and 8 conds (but the tweißh parts and 8 conds is a for type, and one-hird of 7 inches is 2 inches and onehird, which must be wrote down alor out by adding them together you will find they make 33 feet, 1 inch, and 11 tweißh parts, being the number of solid feet you are to pay freight for at the price agreed upon.

Note.—When cases taper, and are smaller at one end than the other, to reduce them to a square you must girt them in the middle from each end. Or you may find  $\frac{1}{2}$  of the girt at each end, and them together, take half of it for the side of the square, and work as in the forecome example.

# Of Bales, Trusses, &c.

The solid feet in any hale, trans, or bunties, are found by thising their lengths, and reducing them to a square by girling them, as in the three foregoing example, production of the state of the state of the second state of the state of the second state of the state of the second state of the state of the square, proceed to find the solid feet as and taking 4 of re-cases, and as following for easis,

# Of Casks, Fats or Vats.

The solid feet in any cask, or fat, nee found by taking their length, and reducing them to a square by giving them as cases, but the square by the square state of the the middle, then you note give the square the middle, then you note give the square of the staves, and take 4 of the givin of the given the middle, the square. Or you may find  $\frac{1}{2}$  of the givin the middle, there, take half of it for the side of the square, and proceed as in the side the square, and proceed as in the side of the square, and proceed as in the runas.

# Of Freighting Ships.

In taking the length of a hulping cask, with a line, without some care you may take it too long. For though a straightsided cask and a hulping cask, when standing on their end, may be of the same height, yet if the length is taken with a line when they are lying, the hulping cask, will be apt to measure longer than the straight-aided one, which should be guardd against. An where the hoops ruse higher than the middle or hulping port of hey article and the straight of the ship's measure to endewour, on all occasions, to obtain the largest girl, on the ship's

It is said some girt the casks in the middle, and abate one-fifth for their tapering.

In taking the length and girt of cases checks, trunks, &c. when they are strengthened or secured with battens, or where there is any thing that hinders other square goods from lying clase by them, that which so hinders them is to the measured in and paid for as if the length and girt bad been every where as large as in those particular places, by reason it occusions so much loss in the stowage of the ship.

One of our greatest coppersmiths for making large stills, coppers, hoilers, &c. for exportation, informs me that it is usual to ascertain the freight of them by taking the greatest external diameter, even to the ontside of the nails, (if a larger external diameter cannot he obtained elsewhere), and then to pay freight as if the still, copper, &c. were a straight-sided square. [See the plate facing page iii. fig. 6.] And when this is the case you pay for the white corners, or spaces, &c. of the square, which the still, copper. &c. never occupies any part of. This seems severe, as several things may he stowed in those white corners, or spaces, &c. He also says, the exporter has the liberty of filling the stills, coppers, &c. with corn, or what else he pleases.

THE

# EXPLANATION AND USE

of the following

# TABLE

OF THE

# Square of Unequal-sided Timber, Stone, &c.

(Beginning page 2, and ending page 22.)

BEFORE I proceed to explain and show the use of the Table of Solid Measure, it is necessary that I should explain and show the use of the Table of the Square of Unequal-sided Timber, whereby any piece of timber, that is found being broader one way than the other, we may find the side of the square equal thereto.

1. At the beginning of this table, betwixt two parallel lines, stand two inches square, which two inches is the Unichness, or lesser side, of the and of a piece of limber that you would find the square of a and nuder the said parallel lines are two columns of figures: in that column to the left-hand, divided from the other by a black line, is the breadth or larger side of the piece to be measured.

II. The second column shows the square of the piece in inches and quarters of an inch, auswering to every inch and hat inch of breadth in the left-hand column.

To find the Square of Unequal-sided Timber.

# EXAMPLE I.

Suppose you have a piece of timber or stone, the end of which is 3 inches thick, and 7 inches hroad, and want to know the square side of it :--

# Use of the Table of

XXVIII

Look in the table for 3 inches, the thickness (or lesser side), hetwixt the parallel lines, keeping your eye down the left-hand column till you come to 7, and opposite that, in the second column, you will find 4; inches, which is the square side of a piece of timber or stone, equal to 3 inches thick and 7 inches broad.

## EXAMPLE II.

What is the value of 1 foot in length of a piece of timher, stone, &c. whose size or scantling is  $6\frac{1}{2}$  inches hy  $9\frac{1}{2}$  inches, at 18d per foot cube?

In the table at 1s. 6d. look for  $6\frac{1}{2}$  inches square in the parallel lines, keeping your eye down the left-hand column until you come to  $6\frac{1}{2}$  inches, and opposite it stands 7 : 5, which signifies 7d. and 5 half farthings, the value sought.

By the ble at	$ta-\begin{cases} 2\\ 2\\ 3 \end{cases}$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} \text{the valu} \\ \text{he for} \\ 0 \\ \text{he} \end{array}$	e will $\begin{cases} 10 \\ 10 \\ 12 \\ 15 \\ 15 \\ 4 \\ 15 \\ 4 \\ 15 \\ 4 \\ 15 \\ 15$
------------------	--	---	--

Note. -- By observing the following directions these six tables may be made as useful for valuing timber, stone, &c. at any other price per foot cube, as for those prices at which they are calculated.
Table of	Scantling	s. xxix
3d. 8d. 8d.	000	ler
3s. (	0	ha ha
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e va val val	alu	val val
the the	6	oot be
is is	th	Of of
thst that bat bat	is	2 4 4 4 0 4 K - 10 4 K - 10 4
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at 4. at 4. at 4. at 6 at 6 at 6 at 8 at 6 at 8 at 8 at 8	pu	able ue ii
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va va sino va alue alue va	4	d d
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## KXX Use of the Table of Scantlings.

If you should ever want to find the value of one foot in length of a piece of timber, stone, &c. whose size or scantling is larger than the extent of these tables, this is the

#### RULE

Consider at what price per foot cube you would value it by, then seek in that table for the value of one foot of timber or stone, whose accualings are each of them but equal to half the given scantlings, and four times that price is the value sought. [See Example VI. page xi].

## EXAMPLE III.

What is the value of one foot in length of a piece of timber or stone, dc. whose scantling is 14 inches by 20, at 18d. per foot cube?

Here you are first to consider, that half the given scatting is 7 by 10; then in the table at 15d, per foot cube, you are to look betwixt the parellel lines for 7 inches square, keeping your eye down the lefthand column III you come to 10 inches,  $g_{1,2}$  and four times  $g_{1,2}^{*}$  is  $g_{1,2}^{*}$  and  $g_{1,2}^{*}$  the start scatting is 1.1d, which scanting is 1.4 inches by 20, at the rate of 1.8d, per four cube.

	8.	d.		8.	d.
De the te	(2)	07	the value will (	3	103
by the ta-	22	65	be fonud to <	4	10
nie at	3	0)	be (	5	10

Note.--When you are about to value timber, stome, &c. per foot cube, you are carefully to consider that by reason of the length of carringe, the prue of workinen's wages, &c. they are rendered much dearer in some places than they are in others, and therefore they must be valued at a price accordingly. THE

# EXPLANATION AND USE

Of the following

# TABLE

OF



(Beginning page 144 and ending page 190.)

1st. THIS table hegins with 1 inch broad, and by the addition of a quarter of an inch, extends itself to 24 inches the breadth.

2ndly. Each page of this table is divided into two distinct parts, and each part consists of two columns.

3rdly. The first part of the narrow column to the left-hand shows the several leagths in feet, from 1 to 24; the second part the inches, from 1 to 11; and the third part, the quarters of an inch.

41bly. The three or four rows of figures in the larger columns, on the right-hand, marked at the top **Fr**. IN. **PA**, and lower **Fr**. IN. **PA**. and **T**, are the several contents in square feet, inches, twelfth parts of an inch, seconds, and thirds, answering to every foot, inch, and quarter of an inch in the length, in the left-hand column,

# The Use of the Table

# EXAMPLE I.

If a board is 5 inches broad and 9 feet long, I desire to know how many square feet are contained therein?

Look at the top of the table for 5 inches, the breadth, and then keep your eye down the left-hand column, till you come to 9 feet, the length, and opposite that stands 3:9:0, which signifies 3 feet 9 inches, the content required.

#### EXAMPLE II.

There is a plank 17 feet 9 inches long, and 21½ inches broad—I demand how many square feet are contained in that plank?

## xxii Use of the Table of Flat Measure.

At the top of the table find 214 inclose the breadth, then look down the felt-hand column for 17 feet, the length, and opposite it stands 30: 5: 0, which signifies 30 feet  $\delta_j$  inclose. Then look for  $\theta$  inclose, the length, opposite which stands 1: 4: 1: 6 signifying 1 foot, 4 inclose, 1 twelfth part, will find the content to be 31 feet, 9 linthes, and 7 twelfth parts—the 6 seconds may be relected.

Note.—The quarters of an inch (when you have occasion for them) must be found and added to the feet and inches.

If you have a plank broader at one end than the other (which is very common), you will certainly, by what has been observed before, either take the breadth in the middle or at each end, add them together, and take half for the true breath (providel both edges be straight), as you are directed in the case of solid measure on pages vir and xl.

When you happen to meet with any board, plank, fee, broader than 24 inches, or longer than 27 feet, you must observe

#### EXAMPLE III.

In a plank 19 feet long and 27 inches broad, I demand how many square feet there are?

Now since your table extends but to 24 inches broad, the 27 inches must be taken out at twice, viz.

19 feet long by 24 inches broad is 38 0 0 19 feet long by 3 inches broad is 4 9 0

The content required is ..... 42 9 0

If you have a stack or parcel of boards or planks to measure, which are all of one length but of different breadths, you must set down the contents of each, and add them together in the following manner —

#### EXAMPLE IV.

Sixteen feet is the common length, and the breadth of Contents.

		IN.	F	1.	Ρ,
No. 1	is	7	9	4	0
2		7.5	10	0	0
3		8	10	8	0
4		81	11	4	0
- 5		9	12	0	0
6		93	12	8	0
7		10	13	4	0
8		104	14	0	0
9		11	14	8	0
10		114	1.5	4	0
11		12	16	0	0

The square or superficial content of the said 11 planks is . . } 139

CP- See the observations concerning Sawyer's work on page xl.

# TABLE

Superficial or Flat Measure,

When applied to

Glaziers' Work of all Kinds.

(Beginning page 144 and ending page 190.)

## EXAMPLE I.

IN a window of leaded glass which has three lights in it, each light being 3 feet long and 154 inches broad, I desire to know how many feet there are of glazing?

First, and the length of the three lights together, which makes 0 feet, then look in the table for 154 inches, the breadth, and opposite 0 feet, the length, you will find 11:5:3, which is 11 feet, 5 inches, and 3 twelfth parts, the content of the three lights required.

#### EXAMPLE II.

In four windows of leaded glass, each window having two lights, and each light being 3 feet  $6\frac{3}{4}$  inches long and  $17\frac{3}{4}$  inches broad, I demand how many feet there are of glazing?

First, the length of all the eight lights must he added together, which make 28 feet 6 inches, then look in the table for 174 inches, the hreadth. But since the table does not extend to 28 feet, the length, you must take the answer out al thrice, viz.

			r. o.
20 feet long, and 174 inches	29	7	0 0
8 feet long, and 173 inches	11	10	0 0
6 inches long, and 17 inches 2	0	8	10 6
The approximation	42		10.6
The content required assess	24		10 0

### Use of the Table for

So that four windows, each having two lights, and each light being 3 feet  $6\frac{1}{2}$  inches long and  $17\frac{1}{2}$  inches wide, contain 42feet, 1 inch, 10 twelfth parts, and 6 seconds of glazing.

Note. - If you have any quarters of an inch in the length, they must be found at the bottom of the table, and added as the inches are in this Example.

To measure Sash-squares this Table is also very useful,

#### EXAMPLE III.

In a sash-window that has 12 squares of glass, (i. e. 4 bigh and 3 broad,) each square being 10<sup>3</sup> inches bigh and  $8\frac{1}{3}$  inches hroad, I would know how many feet of elass it contains?

First, add together the height of the 12 squares, which make 10 feet, then look in the table for 84 inches, the brendth, and opposite 10 feet, the length, is 6 feet, 10 inches, and 6 twelfth parts, which is the quantity of glass in the said sash-window.

Note.-If you have any odd inches, or quarters of an inch, in the length, you must proceed as in Example II.

#### EXAMPLE IV.

In a sash-window having 18 squares, each square being 20 inches high and 114 inches broad, I would know how many feet of glass are therein?

First, add together the height of the 18 squares, which is 360 inches (or 30 feet), then look in the table for 114 inches, the breadth. But since the table does not extend to 30 feet, the length, you must take the answer out at twice, viz.

20 feet long, and 113 inches in ?	19	7	0
hreadth, is	0	0	R
breadth, is	0	0	~

The content required is ..... 20 4 6 So that a sash-window that hath 18 squares, each square being 20 inches high and 114 inches wide, contains 29 feet, 4 inches and a half of glass.

Note.-Observe that, for the generality, sashwindows have either 12 os 18 squares each, and in such a case the quantities are more easily and expeditionsly found by the following method:--

When a window bath 12 squares, the inches in height are to be conceived so many feet in length, as will more plninly appear by re-considering the foregoing

XXXIV

# Measuring Glaziers' Work, Sc. XXXV

Example III, where the 12 squares were each of them 10 inches high, and consequently, when added togenher, make 19 feet in length; so that by this method of conceiving the inches in height to be feet, the trouble and time in adding the 12 together is hereby award, and the question more easily unawered.

Again, when a window hath 1s squares in it, if you concive the height in incless to be feet, and take the content as given by the table, and the half of that content, these added together will be the quantity; and this method will be very serviceable (if rightly understood), first by this means table, (for vagares being movies than 24 inches high, the bounds of the table in feet), as for intance :--

In Example IV, where the height of each square was 20 inches, and 114 inches broad, look in the table for 114 inches and apposite 20 feet long (i.e. inches high) is 10 feet 7 inches, half of which is 9 feet 94 inches, and these being added together make 20 feet 45 inches, which was the content as given before on page xxiv.

Many more examples might be added to illustrate this rule, but a little application and practice will make it very easy and familiar.

A Table of English Measures and Quantities, relating to Building and Land.

A square is 100 square feet.

xxxxi A Table of Measures. A statute pole, perch, or rod is 16 feet and a half. A chain is 4 statute poles or perches, or 22 yards. A fen, or woodland, pole or perch is 18 feet. A forest pole or perch is 21 feet. A furlong is 40 poles or perches, or 220 yards. A mile is 8 furlongs, or 1760 yards, A square statute pole or perch is 2724 square feet. A square woodland pole or perch is 234 square feet. A rood is 40 square poles or perches. An acre is 4 square roods, or 160 perches-A load of rough timber is 40 feet. A load of squared timber is 50 feet. A load of 1 inch plank is 600 square feet. A load of 14 inch plank is 400 square feet. A load of 2 inch plank is 300 square feet. A load of 24 inch plank is 240 square feet. A load of 3 inch plank is 200 square feet. A load of 34 inch plank is 170 square feet. A load of 4 inch plank is 150 square feet. A load of statute bricks is 500. A load of plain tiles is 1000. A load of lime is 32 hushels. A load of saud is 36 bushels. A hundred of lime is 35 hushels, A hundred of deals is 120. A hundred of nails is 120. A thousand of nails is 1200. A ton of iron is 2240 pounds weight. A fodder of lead is 194 hundred, or 2184 A hundred of lead is 112 pounds weight. A table of glass is 5 feet, and 45 tables is a case; hut of Newcastle and Normandy glass 25 tables make a case. A bundle of 4 feet oak-heart laths is 120, and 375 hundles is a load. A hundle of 5 feet oak-heart laths is 100 and 30 bundles is a load. Note .- Fir or deal laths are of divers lengths, as 3, 4, 5, and 6 feet, but all of them are reduced to the standard length of 5 feet, and so every run of bundles (each bundle containing 100 laths) is a load, being

equal to 30 bundles of 5 feet laths.

# **OBSERVATIONS**

CONCERNING

Timber sawed into Boards or Planks:

AND ALSO

Concerning Sawyers' Work, and the usual Method of Measuring; with some account of the London Prices of Sawyers' Work.



XXXVIII

### Of Measuring

The figures on the force-oing page are intended to represent two different shaped boards or planks, each 6 feet long, 10 inches brond at the butt, and 8 inches brond at he top; the dotted lines show how they each differ from the boards or planks that are straight-sided.

Fig. 1 you see measures 5 inches in the middle, which look for in the table, and at 6 feet, the length, you find it contains 2 feet 6 inches, according to the customary way of measuring.

Fig. 2 measures 12 inches In the middle, which look for in the table, and a 16 feet, according to the castomery way of measuring. So it is evident, that of two boards or planks, of the same length and of the same brendth at the hutt and top, according as the middle runs, one shall contain 3 superficial feet and a half more or less than the others.

#### Fig. 1 by two dimensions.

Let us now impose fig. 1 to be cut in the middle, and to be measured by two dimensions; the middle of the bottom part measures if inches, which look for in the contains i foot risk length, you that it contains i foot sheet, belength, you that it contains i foot, and a weet if inchestat there is only a superior in the sheet at there is only a superior in inch and a balf gained or look by measuring in 1 by or or two dimensions.

## Fig. 2 by two dimensions.

Let us now measure fig. 2 by two dimensions; the middle of the bottom part measures 7 inches, which look for in the linke, and at 3 feet. the length, you will find it contains 1 foot 9 inches; is indidle of the top part in 2 f, inches, which, by the take, at 3 feet. The length is 1 foot 10 inches, and these ables for which the whole to contain no more than 5 feet. 71 inches, which is 2 feet 41 inches less than it measured when measured by one dimension.

And if we suppose fig. 2 to be a flue walnut-tree. 3 inch plank, at 12d, per foot, if measured by one dimension it comes to 5s, but if it he measured by two dimensions 11 comes (at the same price) to no inore than 33.  $7\frac{1}{2}d$ , which is 2s,  $4\frac{1}{2}d$ . 1088. Boards or Planks.

The following cut, Fig. 3, is intended to represent the end of a straight piece of round timber, 12 inches diameter at each end, and 6 feet long.



A A shows what is commonly called Sawyers' Measure, for which, in London, if it be oak, there is usually paid 3s. per 100 feet superficial measure.

D D shows what is commonly called Market Measure (which is the truest), for which, in London, if it he oak, there is usually paid 3s. 6d, per 100 feet superficial measure.

The first column in the following table shows the diameter, the second the superficial content, and the third what is lost per each cut or board, if you pay for them all per Sawyers' Measure.

The diameter or	Superficial	Lost		
breadth of each	content of each	per each		
cut,	cut or board.	cut.		
F. I. A A I 0 $bb$ 0 $11\frac{3}{4}$ $cc$ 0 $11\frac{1}{2}$ D D 0 $10\frac{3}{4}$ ee 0 9 ff 0 7	P. I. P.   6 0 0   5 10 6   5 9 0   5 4 6   4 6 0   3 6 0	F. I. P.   0 0 0   0 1 6   0 3 0   0 7 6   1 6 0   2 6 0		

# In London the Sawyers cut Timber at the following prices.

Oak from 3s. to 3s. 6d. per 100 feet superficial measure, or 7s. per load of 50 feet.

Ash from 5s to 6s. per 100 feet superficial measure, or from 8s. to 12s. per load of 50 solid feet.

Fir from 3s. to 4s. per 100 feet superficial measure, or 6s. per load of 50 solid feet.

What are called Deals are sawed abroad, but for slitting 10 feet deals there is usually paid in London 2s. 6d. per dozen or  $2\frac{1}{2}d$ . per cut, and for 12 feet deals 3s. per dozen or 3d, per cut.

Mahogany from 5s. to 8s. per 100 feet superficial measure,

Walnut-tree from 5s. to 7s. per 100 feet superficial measure.

Elm from 2s. 6d. to 5s. per 100 feet superficial measure.

Note .-- Mahogany, Walnut-tree, and Elm are never cut by the load.

Beech is commonly used for bed-steads, chairs, table-frames, &c. and is generally cut in the country. The difference in the prices of sawing the foregoing woods arises from the valuableness and fineness of the timber and sawing.

No planking less than 2 inches thick is cut by the load; in case it is thinner than 2 inches, it is measured by the 100 feet superficial measure.

By eithem the saveyers of London have, one piece with another as they shall lappen to fail out, as well another as they shall lappen to fail out, as present the same sector of the same sector of the present sector of the same present sector of the same sector of the same sector into a security site of the same sector of the same sector of the same sector of the same sector of any length, into a security site of the same sector of any length, into a second the same presetor of the same to be a site of the same sector of the same the same it can the same sector.

Having occasionally made use of the terms hasai or running, superficial or square, and solid or cubical measure, in the foregoing pages, it may not be amiss here to explain them.

Lineal or running measure regards only the length, and has no regard to the breadth or thickness.

Superficial or square measure regards the length and breadth.

Solid or cubical measure regards the length, breadth, and thickness.

i.z

A NEW

# TABLE

for finding, at sight.

THE SQUARE

OF UNEQUAL-SIDED

# TIMBER, STONE, &c.

# Ready cast up:

Whereby the true Square of any Piece of Timber, Stone, &c. being broader one way than the other, may be found, from 2 to 54 inches the broadest ide; and therefore, by addition only, may serve to any greater breadth, if there should ever he occasion

Bee this Table explained on page vii, &c.

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- 2	16	11	11	10	184	134	12		
3	161	11	114	104	19	131	12		
2	17	111	12	101	101	14	12		
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3	11	91	17	121	132	12	13		
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3	11	91	175	13	13	12	3		
4	115	10	18	13	135	121	2		
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3	175	134	201	151	213	163	3
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3	185	143	211	18	224	17	8
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2	101	145	204	16	100	1.03	13
\$	182	142	21	184	202	103	13
3	19	143	211	161	21	107	13
3	194	15	22	181	217	17	12
5	20	1.5 .	001	103	22	178	12
3	201	154	222	10%	221	172	18
3	21	154	23	17	23	175	18
8	214	154	232	17:	233	172	13
3	22	16	24	173	24	18	13
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3	16	133	17	143	16	15	13
3	183	14	175	15	163	151	12
3	17	141	18	151	17	154	13
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2	191	163	10	103	27	1 3	ni	.3
2	20	104	162	154	00	2 4	101	3
2	001	103	17	16		. 4	104	18
5	202	117	175	161	25	2 2	1	2
3	21	174	18	16%	29	2	14	3
3	215	174	184	161	29	2 2	14	3
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2	27	194	24	19	18	1 1	74	3
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-	28	195	25	101	19	17	74	ž
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3	15 1	is 144	27.5	204	221	15	11	ξ.
3	151	15	28	201	23	15	1 16	3
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3	17	153	291	21	241	10	3	ξ.
31	175	16	30	211	95	90		3
٤I	18	161	****	*****	120	90		ξ
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٤1	201	171	17	161	272	181	. 1	
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	21	181	30	221	21	191	
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21	991	101	211	201	0.01	201	3
ŝî	002	184	99	403	02	203	ŝ
٤I	031	193	201	434	63	203	2
	232	194	322	233	232	202	3
31	24	20	33	232	24	203	3
31	242	20	332	234	242	21	3
ş	25	501	34	24	25	214	\$
3	252	201	100000	mm	252	212	2
ŝ	26	201	17 1 I:	N. BY	26	212	3
5	265	204	19 /	173	265	213	2
2	27	21	191	10	27	22	3
3	274	214	10	IcI	27 2	224	3
\$	28	215	101	103	28	225	3
3	285	213	192	102	284	224	3
3	29	211	20	184	29	224	3
3	295	22	204	19	294	23	3
3	30	224	21	194	30	234	3
2	304	225	212	192	301	231	
2	31	224	22	192	31	234	
3	314	224	222	191	311	233	3
2	32	23	23	20	32	24	
2	321	234	231	204	324	244	3
2	33	234	24	201	33	244	18
3		1	241	204	334	246	3
ž	~~~~	weren.	25	21	34	243	3
ŝ.	17 I	N. BY	25片	21	341	25	3
2	_		26	214	3.5	251	3
3	171 .	10 171	261	212	354	251	3
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3	181	178	275	22	1111.11	series	
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3	20	181	29	221	10 /0	193	3
3	201	184	507	223	101	10	
3	21	10	30	23	20	101	
2	214	19	301	23	201	104	13
-	222	101	31	234	21	103	13
3	224	191	311	231	211	20	13
2	23	103	32	234	22	201	13
3	231	20	321	233	221	203	13
\$	24	201	33	24	22	003	13
3	941	201	331	241	201	204	13
2	25	201	34	245	24	21	3
3	251	203	344	245	241	911	12
3	28	203	35	244	95	011	1
3	261	211	101011	· ·····	251	912	12
3	1 27	211	18 I.	N. BY	901	613	1
2	271	211		101	901	001	1
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- 2	1901	0.9	15.0	00	100	011	15
- 2	602	40	302	40	467	613	15
- 2	29	234	30	204	23	213	12
ŝ	295	231	36	264	234	212	15
3	30	231	37	261	24	22	18
- 5	201	021	371	983	11.0	1991	12
3	002	403	012	203	1 ang	1 403	12
3	31	24	38	203	25	224	13
3	315	241	10000		255	225	13
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- 2	1991	241	102	un bi	281	22	13
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2	33	244	204	20	61	234	13
- 5	334	25	01	001	1 275	235	13
3	34	2.5	101	203	28	233	13
- 5	11.0	129	1 212	203	281	234	13
3	012	0.1	22	201	1 002	0.4	12
3	35	202	221	21	29	24	15
3	354	253	02	211	294	244	18
2	36	2.54	20	614	30	244	18
- 8	BRI	96	233	212	301	243	18
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2	37	1 204	241	214	31	40	13
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3	19 I	N. BY	251	2.54	324	254	3
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5	20	101	0.01	001	34	1 26	15
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2	20.2	104	28	234	25	281	15
5	21	20	284	234	0.07	002	12
5	215	201	20	233	30%	204	15
3	22	201	001	0.4	36	263	15
3	991	201	202	64	361	27	12
3	002	203	30	244	37	274	2
3	23	21	304	244	241	071	2
3	23	214	31	244	312	013	5
3	24	214	211	243	38	272	5
2	241	211	012	.014	384	274	2
5	0.02	013	34	40	39	28	2
\$	20	613	321	25	301	28	5
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ż	26	224	331	251	40	494	3
3	261	224	21	953	101011	man	3
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	212	60%	35	26	0		3
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31	402	603	37	284	001	017	5
31	30	234	374	27	23	513	3
31	304	24	28	273	23	22	\$
3	31	244	201	971	24	221	3
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2	325	243	20 T.	DV	255	223	2
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٤	23	130	91 1	201	97	921	2
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3	28	24	334	1 261	1 381	1 283	72
3	901	941	24	202	202	204	15
3	002	041	241	202	201	201	3
3	20	612	042	01	002	484	13
3	292	242	35	27	40	294	13
3	30	244	355	274	401	295	13
3	305	25	36	275	41	294	13
ŝ	31	251	361	273	414	294	13
5	314	254	37	274	42	30	12
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ş	1991	051	202	901	42	201	15
3	062	203	00	404	40	302	13
3	33	20	352	282	110000	******	13
3	331	204	39	284	22 I:	N. BY	13
3	34	265	391	282			13
3	344	261	40	29	2251	is 224	12
3	35	264	40月	291	23	224	12
3	354	27	41	294	234	224	12
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ž	36L	273	42	203	941	231	2
ź	27	071	10	204	012	001	3
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\$	312	613	214 I	N. BY	252	434	12
3	38	28			26	24	13
3	385	284	22 is	211	265	244	13
3	39	285	224	22	27	241	13
3	394	284	23	224	274	244	13
3	40	284	231	221	28	244	12
£	404	20	9.1	993	180	2.5	18
ł	41	201	QAI	92	20	251	12
1		404	492	001	20	951	13
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3	21 I	N. BY	20字	232	30	404	13
3			26	234	302	20	12
;	2131	8214	264	234	31	20	\$
ŝ	22	215	27	- 24	313	264	2
ž	224	213	274	244	32	265	3
2	23	22	28	244	324	264	3
2	234	224	281	244	33	27	3
3	24	224	20	25	334	274	5
3	941	993	201	951	24	271	\$
3	95	224	202	951	241	271	3
3	0.0	021	30	403	047	273	3
3	402	403	302	40 m	00	20	2
3	26	2.34	31 '	254	352	28	8
3	262	232	312	20	36	284	2
3	27	234	32	264	361	284	3
3	275	24	325	265	37	285	3
3	28	244	33	264	374	281	3
ş	284	241	334	261	38	29	3
3	20	243	24	07	381	20	5
2	201	2.5	341	271	30	201	3
3	20	96	942	971	201	201	3
3	201	9.51	130	071	40	202	2
3	302	604	332	273	40	293	2
3	31	251	36	27.4	40 2	291	2
2	311	251	361	28	41	30	2
2	32	28	37	284	411	304	
3	321	26	371	281	42	301	12
3	33	264	38	284	425	304	12
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- 3						~		1.19
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- 2	0.05		1 281	245	2	34	201	13
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- 2	235	23	0.001	900	20	5. I	202	R
3	24	231	271	403	30	2	203	15
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- 2	202	241	293	26	32	4	274	15
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- 5	202	243	304	264	33	1	28	13
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ź	29	254	022	612	20	2	29	13
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3	30	26	331	272	30	2	294	12
3	201	284	34	28	37		201	15
3.	21	1.981	341	284	37	21	294	18
3	911	001	35	283	38		291	13
3	312	40 2	3.5 4	281	38	4	30	13
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3	322	27	364	29	39.	1	301	12
:	33	274	37	294	40	2	30.1	ξ.
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3	34	274	012	201	41	2	302	3
Į.	343	273	201	203	1		211	3
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٤I	35	294	42	314	4.5		327	ξ.
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3	40月.	304	444	291	71		101	÷ .
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ş .	414	301	10	342	04.	· · · ·		ş .
٤١.	42	301	402	324	64	IX. 1	BY	ξ
٤.	424	31	46	324				ξ
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3	493	311	23# T	N. RY	2.5	12	44 1	3
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٤ı	00	261 1	21 1	271 1	22	281	š.
2 I	201	004	011	0-2	001		3
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31	30 1	27	325	284	335	29	3
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31	314	274 1	334	283	345	201	3
31	32	274	34	283	3.6	204	ş.
31	201	10	24	407	30	292	ξ.
31	362	60	342	29	352	294 1	£ .
31	38	252	35	\$94	36	30	٤.
31	331	28:	355	295	361	304	ξ.
21	34	285	36	293	37	305	\$
31	344	252	364	30	374	304	ξ.
31	35	29	37	30	38	304	3
5	3.54	204	271	201	201	21	3
5	26	1 100	012	201	002	51	3
3	201	001	38	302	39	317	3
31	302	6072	382	303	392	312	5
31	31	5.03	39	31	40	312	5
31	371	30	394	31	405	313 1	5
31	38	304	40	311	41	32	5
\$1	353 1	1 301	404	314	414	324	2
\$	39	301	41	314	19	201	3-
3	894	808	414	213	101	201	3
3	40	21	415	212	462	322	ξ.
3	104	01	42	32	43	324	8
3	402	313	422	324	432	33	18
3	41	314	43	322	44	33	18
3	413	312	434	321	444	33Ł	13
ş.	42	314	44	321	45	334	13
ş.	423	32	444	38	4.54	331	13
£	43	32	45	100	46	34	15
٤.	434	1 324	401	004	104	24	18
ż	4.4	221	402	002	402	04	12
\$	444	2.23	40	332	41	312	13
2	412	064	402	333	472	342	13.
3	40	33	47	34	48	343	13
3	402	33	475	34	483	343	13
3	48	33	48	344	49	3.5	14
3	464	334	484	344	494	351	18
3	47	334	40	313	50	354	13
3	471	331	10	014	0.0		13
3	48	1 84	mm		1	******	13
ş		101	25 T	N PV	1 251	IN. BY	12
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;	241	IN. BY			26	is 251	18
3			2.5%	18254	261	26	13
. 3	25	is 242	26	254	27	264	13
3	255	25	264	251	274	264	3
- 2	26	2.5.4	27	26	28	264	Z
- 2	264	254	275	261	991	27	- 5
3	27	251	99	281	202	071	13
2	071	90	1001	009	001	012	15
3	012	00 Logt	652	609	292	. 27 5	13
3	28	201	29	27	30	273	13
3	281	282	291	274	301	271	13
3	29	283	30	275	31	28	12
-	294	27	304	274	314	284	12
-	30	27	31	274	32	285	18
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	and and		1. 012		00.2	407	1.5

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3	33	1 29	33	294	33	294	18
3	334	294	334	291	33	203	3
3	34	291	34	203	34	30	13
\$	341	201	341	30	34	301	13
3	35	203	35	301	35	201	15
3	00	203	140	201	20	30 2	13
3	302	30	002	00g	30	303	13
ž	36	304	36	301	30	31	12
ŝ	362	301	362	303	36	31	12
\$	37	304	37	31	37	314	12
\$	371	31	371	314	37	315	12
3	38	311	38	3!	38	311	13
3	384	311	384	314	383	32	13
3	39	314	39	314	39	324	18
٤.	391	314	391	32	391	891	15
\$	40	32	40	891	40	321	13
\$	101	22	401	100	401	203	13
3	412	100	412	000	412	20	12
3-	411	063	411	002	1 411	03	18
٤.	912	322	412	324	102	334	3
ź.	42	323	42	33	44	333	13
ξ.	425	33 .	422	334	423	331	13
3	43	- 33	43	331	43	334	15
3	435	334	431	333	431	34	13
ξ.	44	334	44	333	44	341	13
٤.	445	334	443	34	444	- 341	3
ξ.	45	334	45	344	45	344	13
;	4.5.1	34	434	344	451	341	15
3	46	344	46	341	46	3.5	3
ŝ.	461	341	464	341	461	3.5	3
ξ.	17	343	47	95	472	851	13
٤.	471	213	471	351	471	251	18
1	40	012	40	201	402	252	3
	101	130	401	200	491	200	12
2	452	354	482	302	102	303	15
	49	354	49	353	49	30	3
	492	3512	492	354	491	304	2
	50	351	50	36	50	362	2
	50支	354	501	364	501	361	18
	51	36	51	365	51	364	13
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			52	364	52	37	ξ.
	26 Iz	. BY	mm		521	374	\$
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	961 2	1981	202 1	N. BY			3
	27	1901	04 2	- 903		mm	2
	071	0.03	071	202	27 I	N. BY	3
	613	202	612	074			2
	68	21	28	212	OPT	0.0.1	3
	282	274	282	272	27.5 1	\$ 274	3
	29	272	29	28.	28	272	2
	294	271	294	28	281	274	\$
	30	28	30	284	29	28	3
	301	284	304	285	295	284	3
	31	284	31	281	30	284	2
	314	284	314	284	304	281	\$
	32	283	32	29	31	29	3
	324	29	321	294	314	294	3
					012		3

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3	32	294	31	294	30	29	3
3	324	29%	314	294	304	294	3
3	33	291	32	292	31	201	2
3	188	30	321	203	311	201	\$
3	24	201	22	204.	202	20	3
3	TG	201	201	301	001	50	3
3	342	005	002	203	323	304	3
3	35	304	34	304	33	302	3
2	35支	31	341	303	334	301	2
3	36	314	35	31	34	304	2
3	36秀	315	354	314	343	31	5
3	37	315	36	314	3.5	314	3
3	374	314	361	314	128	314.	3
3	38	32	37	32	202	813	3
3	345	321	371	39	00	22	3
3	20	321	28	221	302	201	\$
3	201	201	0.01	201	37	345	3
3	392	302	352	325	371	323	3
3	40	324	39	344	38	322	3
3	40支	33	391	33	385	323	3
\$	41	334	40	334	39	33	2
3	415	335	405	331	394	334	5
3	42	333	41	334	40	334 1	3
è	425	334	414	331	401	331	2
2	43 -	34	42	34	41	34	8
\$	434	344	424	341	412	34	3
3	44	341	43	341	19	341	3
3	445	343	431	341	40	241	2
3	45	843	44	813	442	947	5
\$	451	35	441	35	43	25	3
3	46	351	45	251	432	00	2
3	401	201	451	003	44	00	5
3	402	002	402	304	442	304	\$
2	21	002	40	334	45	50支	3
2	412	334	402	323	451	324	3
3	48	30	41	35	46	36	\$
3	484	304	412	364	461	36	3
3	49	364	48	364	47	361	3
3	491	361	481	361	475	364	2
3	50	363	49	364	48	361	2
2	501	37	491	37	484	361	3
2	51	37	50	37	49	37	5
	515	374	504	374	494	371	3
3	52	373	51	374	50	371	3
3	321	374	514	371	501	371	3
3	53	373	52	374	51	373	3
3	531	38	523	38	511	38	3
3	54	384	53	381	52	361	2
3		9	531	381	591	221	3
2	ant		54	381	62	201	3
3	2721	N. BY		0.02	53	201	2
3	28	0 273	100000		6.1	20	3
3	284	1 28	28 I	N. BY	04	1 0 9	13
2	29	284			0.01		13
3	291	281	291	ix 2 4	682	IN. BY	13
3	30	283	29	1 281	20 i	. 281	12
3	301	29	291	283	291	1 20	1
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- 5	******			man.	ner.	erro.	*****	110
3	30	1 294	1 30	1 295	11	31	304	11
3	305	291	1 301	201		311	201	18
3	21	203	31	20		22	203	13
3	1 211	203	1 211	100		201	302	13
3	312	1 30	012	303		323	31	3
- 2	32	304	32	302		33	314	11
- 2	321	301	322	304		33	1 315	13
- 5	33	304	33	31		34	314	13
3	334	31	334	311	1	344	32	15
3	34	311	34	311	li.	35	32	15
3	344	311	344	314		354	221	13
3	. 35	311	35	311		38	201	13
3	251	313	851	29		201	2.71	13
-1	002	2014	201	201		302	343	13
ź	30	30	30	323		31	33	18
\$	301	324	301	342		372	334	15
3	37	322	37	323		38	331	13
3	375	321	371	33	11	$38\frac{1}{2}$	332	13
3	38	33	38	334		39	34	12
3	385	33	385	331		394	344	15
\$	39	331	39	334		40	341	15
2	394	331	394	334		404	311	13
3	40	333	40	34		41	843	13
3	401	84	401	341		411	25	12
3	41	11.9	41	241		492	0.01	12
3	ALT	241	411	241		1.41	201	. 5
\$	19	911	42	25		402	150	13
3	191	241	191	90		101	003	13
3	402	25	12	1 951		132	203	15
2	40	00	101	1 303		14	30	13
ż	432	304	40.5	0.05		144	304	12
3	44	301	44	304		13	363	12
3	442	301	4+2	30	1 3	132	364	13
	45	303	40	30		10	362	13
٤	435	36	432	364	1 3	64	37	3
\$	46	363	46	361	1	7	374	3
31	461	361	461	364	1 3	71	375	12
31	47	364	47	37	1 4	18	374	3
81	475	363	475	37	4	84	374	3
51	48	37	48	371	4	9	38	12
31	485	373	484	371	4	101	384	2
	49	371	49	374		0	381	3
31	495	375	494	38	5	40	391	3
	60	373	50	38	5	1	203	5
	SOL	38	501	391		11	20	3
٤	51	39	51	381	5	12	201	3
٤	SII	361	511	303	1 5	ar	201	5
81	50	201	62	2031	6	22	394	5
31	201	203	691	2024	0	3	398	2
81	363	281	002	39	0	31	393	\$
81	53	383	00	394	0	4	40	3
	332	38	032	393		****		2
	54 1	394	24	287				2
	****	mm	131919		3	UIN	, BY	3
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	29 IN.	. BY	502 11		3	DAi	304	5
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ż	32	Sk	34	324	36	334	\$
3	391	311	341	221	381	823	5
3	22	311	25	223	27	203	3
3	00	213	00	042	Der	003	3
3	331	513	302	33	372	34	3
3	34	32	36	334	38	344	3
3	341	324	365	334	385	344	3
3	35	324	37	333	39	344	2
3	354	32	375	334	394	35	3
2	36	323	38	34	40	854	3
5	361	33	261	148	401	351	3
3	27	921	202	241	112	254	3
3	071	222	38	042	41	202	3
3	313	002	382	012	412	334	3
3	38	333	40	35	42	36	\$
3	384	34	401	354	425	364	3
5	39	344	41	354	43	365	3
3	394	344	414	354	433	364	3
3	40	343	42	354	44	37	2
3	401	344	421	38	441	374	3
ž	41	35	42	361	45	371	3
ź	411	351	10	201	451	071	5
ż	42	251	433	202	402	2012	3
3	40	002	44	204	40	014	3
3	424	333	445	364	461	38	2
3	43	36	45	37	47	384	2
3	431	36	455	374	475	364	3
5	44	361	46	374	48	384	3
3	445	364	465	374	484	381	3
2	45	364	47	374	49	39	3
2	451	37	471	29	401	301	2
\$	46	374	40	201	50	301	3
3	181	371	401	201	501	201	3
3	107	2=1	402	007	002	009	3
ż	41	012	49	382	51	394	3
ŝ	47.2	513	492	353	514	40	\$
ź	45	38	30	39	52	403	3
2	484	381	50支	394	524	404	3
3	49	384	51	. 394	53	40支	3
3	494	384	514	39%	534	404	2
3	50	383	52	39%	54	41	\$
3	504	39	524	40	eren		3
5	51	39	53	404	911 7		ŝ
;	515	394	534	401	0121	N. BY	5
ż	52	39%	54	404	32 is	314	5
3	521	303		102	321	32	12
2	53	203	*****	mm	22	321	3
\$	491	40	31 IN	RY	221	291	\$
3	54	401			24	203	3
3	UT	404	2112	110	241	22	3
3		sector.	20 1	211	25	321	3
3	3011	N. BY	221	012	130	221	3
2		- 201	322	313	26	223	3
3	31 1	8 303	221	100	361	34	13
3	312	011	24	100	27	241	13
3	36	013	04	203	277	24	15
3	322	515	342	024	2012	042	3
3	33	314	35	33	38	1 345	12
3	331	32	351	334	1 382	344	12

197	~~~~~			*****			.4
3	30	3.5	142	1 363	46	344	13
5	102	351	425	37	461	35.3	13
2	002	2004	122	0.7	102	20	13
2	40	302	40	37	41	1 30	13
3	402	353	433	314	412	394	13
3	41	36	.44	372	48	391	13
3	415	364	445	374	453	394	18
3	42	361	45	38	49	40	18
3	424	364	454	381	494	40	15
3	43	364	46	384	50	404	3
\$	424	37	461	351	504	401	13
3	402	271	17	363	51	403	13
3	44	2014	477.1	20	511	41	12
3	442	312	412	001	012	11	15
3	40	373	48	283	56	41	3
3	45%	373	45 2	$39\frac{1}{2}$	522	414	13
1	46	38	49	394	53	415	3
3	461	384	494	391	535	413	13
3	47	354	50	40	54	42	13
3	47.6	383	504	40			18
2	49	30	51	404			13
ź	101	20	511	401	33 IN	BY	13
5	402	00	012	407	00 11		13
2	411	394	36	40%			13
2	492	392	522	41	33½ i	s 334	13
3	60	394	53	41	34	334	15
5	50 }	40	532	413	344	334	15
3	51	40	54	415	3.5	34	3
3	518	401	110000	man	354	344	13
ž.	52	401			38	841	3
÷.	524	401	322 1	N. BY	201	2.12	1.5
ż	59	403	00 7	201	302	943	١٤.
ξ.	100	41	33 1	8 362	31	00	3
\$	002	41	332	33	371	354	3
3	94	413	34	334	35	352	12
3	****		341	334	385	354	ξ
3	0.0.0		35	334	39	354	5
3	32 15	i, BY	355	34	395	36	3
2			36	341	40	361	3
٤.	321 1	s 324	361	341	404	361	3
3	33	328	37	34.1	41	361	18
3	221	223	374	3.5	413	37	3
3	24	33	38	351	42	374	2
5	941	991	201	951	491	375	5
5	342	2:11	20	2:1	40	2~1	3
3	30	333	201	951	43	012	ž
3	351	334	392	304	432	38	ξ.
3	36	34	40	30	44	38	15
ş	361	344	401	304	442	35\$	12
ş	37	3+1	41	$36\frac{1}{2}$	45	351	18
٤.	374	344	415	$36_{\frac{1}{2}}$	453	384	3
٤.	38	344	42	37	46	38	3
3	384	35	424	374	465	39	3
2	392	3.54	43	371	47	39 1	3
3	108	3.51	434	371	471	304	3
5	402	353	4.1	371	48	394	3
\$	40	202	441	26	451	30.4	3
3	402	201	442	961	40	40	3
ż	41	304	40	261	101	401	3
3	415	36.	452	382 1	49.5	404	3
de.	1105000	VINNER		******	000-000	******	

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2	1 50	. 401	11		11 40	1 271	7.2
÷.	1	102	34 I	N. BY	10	017	15
÷.	302	40\$	0.17		1 405	375	13
5	51	40%	1 342	13 342	41	375	13
3	514	41	35	344	416	374	13
5	42	112	35%	344	42	30	13
3	1 691	111	36	35	101	201	13
3	042	413	201	100	402	354	13
3	53	418	002	007	43	302	13
5	535	412	31	352	1 434	381	13
3	54	42	1 375	35 1	44	39	B
3			38	351	445	304	B
3	mm		383	36	1.5	201	13
3	334	N. BY	89	361	161	201	12
ż	1 2 -		201	301	408	002	12
3			002	202	40	393	12
ź.	34	18 332	40	304	461	40	12
ź.	344	34	402	37	47	404	12
ź.	3.5	344	41	371	473	40.4	18
٤	261	941	414	371	81	101	3
÷.	202	213	42	373	49.1	41	3
ž.	30	244	121	20	172	1	3
3	362	35	102	205	49	41	13
3	37	3.51	43	38	492	414	12
٤.	375	354	432	394	50	414	12
ξ.	38	351	44	385	501	413	13
\$	341	38	444	383	51	12	ιź.
3	20	901	45	30	511	101	12
3	001	204	ACL	201	512	463	ź
3	392	30 2	48	201	56	423	ż
3	40	301	40	082	225	423	13
5	401	364	40.2	393	53	42 -	3
31	41	37	47	40	534	43	3
3	414	374	474	405	54	434	3
31	42	374	48	40寺			3
21	425	373	484	403	D		3
21	43	30	49	403	00 1	V. BY	2
٤Į	421	201	494	41		0.1	3
3	102	0.03	50	411	352 8	\$ 354	3
3	44	352	601	117	36	352	5
31	442	395	002	412	365	35%	3
31	45	389	01	418	37	35	2
31	455	39	012	414	374	364	2
2	46	391	.52	42	38	31	3
	463	394	524.	421	195	283	3
2	47	391	53	424	20	27	3
٤!	173	40	534	423	201	31	3
3	.10	40	54	422	092	014	3
3	101	101	man	concer.	40	372	2
31	452	404	314 1	NPV	401	37 4	\$
	49	404			41	38	3
31	$49\frac{1}{2}$	403	35 i	\$ 344	414	38	3
3	50	41	354	35	42	384	2
٤l	504	414	36	351	424	381	3
5	51	414	364	354	43	383	5
ξl	514	414	37	353	131	30	3
şI	52	413	271	20	102	201	3
3	143	12	312	00	44	383	3
3	002	10	38	304	442	39 1	3
š	23	443	381	36	4.5	394	3
ξl	231	424	39	364	434	40	1
ź	34	421	322	37	46	40	3
					and the owner water of the owner w		6 <b>8</b> 1

					5355535		
	1 481	1 404		1 431	1 43	1 301	-12
	47	401	54	434	434	393	13
	471	403	locar	vice con	4.4	40	13
	48	41	36 1	N. BY	444	101	12
	Last	411	201	2. 901	45	401	13
3	402	414	301	18 303	40	402	3
3	19	412	37	304	402	40%	12
3	492	412	371	364	46	41	13
- 2	50	414	38	37	402	414	12
-2	501	42	385	374	47	413	15
- 2	51	424	39	375	475	412	3
3	515	424	394	374	48	413	13
3	52	424	40	38	484	42	13
3	1521	424	405	381	49	424	13
2	1 53	43	41	384	494	424	13
3	531	431	411	384	50	423	18
3	54	431	1 42	20	501	13	13
3	un	1 102	101	20	51	121	13
2			122	201	SIL	121	15
3	354	IN. BV	67	304	29	121	13
3			432	392	501	102	12
3	36	is 351	44	393	524	435	12
3	364	, 36	444	40	33	44	13
2	37	364	45	404	531	1 44	13
3	374	364	451	401	54	1 444	13
3	38	361	46	401			13
-	384	37	464	41	37 I	N. BY	12
3	30	871	47	415	372	10 871	13
ž	106	374	473	411	20	1 241	13
3	40	973	48	414	201	221	12
3	401	20	481	414	202	1 213	18
3	402	00	10	49	38	1 33	13
2	41	38\$	101	421	392	384	13
ž	412	382	40.2	121	40	383	13
2	42	381	00	407	403	384	15
3	421	384	1 30%	444	41	39	3
3	43	39	51	424	415	394	13.
3	431	391	512	43	43	391	15
3	44	394	52	434	425	394	3
\$	445	391	521	431	43	40	3
3	45	40	53	434	434	40	5
ŝ	45%	404	535	.44	44	404	8
2	46	40%	54	44	444	40%	3
20	461	401	moun	mm	4.5	404	3
3	47	403	364 I	N. BY	4.54	41	3
3	471	41	27	203	48	411	3
31	40	411	0-1	24	481	411	\$
8	101	411	301	971	47	413	5
	102	415	38	313	474	412	3
	49	414	381	313	412	40	5
	401	40	39	374	18	764	3
	30	424	391	38	482	424	2
2	305	424	40	384	49	424	5
3	51	42	401	381	492	424	3
	511	424	41	384	\$0	43	3 .
	52	43	415	39	501	431	3
	525	433	42	391	51	435	3
ş	53	43	425	395	511	434	3
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ž	10	1.4.4	1.44	1.421	11 45	1.64 1	12
ż	101	1.1.	101	101	121	FOL	
2	492	44.2	402	432	402	402	13
2	50	443	47	431	46	434	13
3	504	444	474	434	464	44	13
3	51	4.5	48	44	47	444	
3	LIS	45	401	4.4.2	471	11L	
3	012	40	482	443	102	112	3
3	26	424	49	444	48	444	
3	521	455	491	443	483	444	
3	53	453	50	45	49	45	12
3	535	46	501	451	494	454	13
3	54	401	61	451	50	451-	12
3	04	1 404	01	407	201	102	3
3	~~~~		312	404	30%	404	
3	40 I	N. BY	52	46	51	40	13
3			524	46	514	46	15
i	404 1	8 401	53	464	1 32	484	12
3	41	404	591	ARI	521	183	3
31	ALL	40.5	002	405	042	404	18
3	40	Tot	34	404	03	41	13
3	44	41		******	23%	47	12
3	425	414	41 IN	. BY	54	47.	13
31	43	415			anna.	es-cons	13
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3	447	101	421	413	491 4		13
3	442	465	42	19	4021	8 404	13
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:	455	424	432	424	43	424	3
:	46	43	44	421	44	43	13
3	461	434	445	424	441	431	3
\$	17	104	4.5	43	45	121	3
3	24	493	ISL	424	10	422	3
2	47 2	43 2	102	107	472	404	3
2	48	434	40	434	46	44	\$
2	484	44	462	434	461	444	ŝ
2	40	111	47	44	47	444	3
8	401	111	474	444	475	445	3
2	102	3.12	28	413	40	44	3
21	50	444	101	111	48	40	3
2	301	45	402	712	482	404	3
2	51	45	49	444	49	454	2
2	514	454	495	45	49%	45%	3
2.	52	45%	50	451	50	454	2
3	591	453	501	451	504	46	2
3	1002	102	51	452	51	ARI	2
3	03	40	CII	40	CIT.	104	2
	332	404	c02	101	012	102	2
3	54	465	54	464	52	464	3
2	moren	mm	521	464	524	47	2
3	404 1	N. BY	53	465	53	474	3
2	102 1		531	461	1.9.2	471	2
5	41 1	s 40%	54	47	54	471	3
2	415	41	101	71	04	412	3
2	42	413			man	min	3
3	191	411	41 1 I	N. BY	421 I	N. BY	1
2	142	115	10.1	117		101	3
8	43	412	42 8.	8 414	43	42	3
8	435	42	425	42	434	43	3
3	44	424	43	424	44	434	3
3	441	424	435	424	448	434	3
2	45	423	44	493	45	433	3
3	421	49	441	19	451	44	3
31	102	40	443 .	40	402	14	3

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ŝ.	46	1 444	49	461	45 1	v nv	13
3	481.	441	494	461	10 1		13
3	47	443	50	463	45%	\$ 45	12
3	474	4.5	504	464	46	451	13
3	48	454	51	47	462	453	13
ş	481	454	514	474	47	46	ŝ
3	40	451	52	471	47 -	464	\$
3	401	4.53	524	472	48	461	13
3	50	46	53	48	481	461	13
5	504	ABL	534	481	49	47	3
ŝ	51	481	54	484	491	47 4	ŝ
ŝ.	SIL	481	11111	inner	50	475	3
ŝ.	52	37	44 I:	S. BY	501	473	3
Ś	524	474	444 4	e 445	51	48	ş
ş	53	471	442 6	444	515	481	3
3	531	473	451	443	52	484	3
ξ.	54	48	46	4.5	523	483	ş
ŝ	Nor	seren.	40	451	53	483	3
3	43 T	N DV	47	461	535	49	ş
5	10 1	N. D1	475	463	54	491	3
3	435 1.	\$ 431	40	102	~~~~	mine	3
ŝ.	44	435	45	40	451 I	N. BY	Ş
£.	445	433	402	402	18 6	# 46J	3
ξ.	45	44	49	402	464	18	ŝ
3	455	444	402	403	17	461	3
ż	46	444	201	441	171	401	13
3.	48寿	443	502	414	18	483	13
3	47	45	512	471	181	47	13
ž.	475	451	50	444	40	473	13
ŝ	48	455	163	10	401	171	15
3	485	453	59	191	50	473	13
ş.	49	46	501	403	501	40	ł
3	494	464	54	407	51	461	15
3	50	464	57	403	514	483	ŝ
Ś.	50ž	463	445 T	N. BY	52	493	3
3	51	463	45 1	1.13	524	103	13
ŝ.	515	47	451	1 4 5	53	40	13
ş	52	474	48	1.5.1	531	101	13
2	522	471	AGL	141	54	401	18
ŝ.	53	473	47	151	NNN	·····	13
3	531	48	473	48	46 L	N. BY	13
ş.	54	481	48	161	ARLA	Litt. a	15
ş.	****	~~~~	494	181	47	101	13
3	431 1	N. BY	40	161	471	463	15
ş.	44 10	\$ 434	491	47	48	47	13
3	443	44	50	474	491	471	13
3	45	444	504	471	49	471	12
3	454	444	51	474	494	473	12
3	46	444	518	471	50	48	13
3	464	4.5	52	48	504	484	
2	47	451	524	481	51	481	
3	474	454	53	1484	514	483	13
3	48	454	534	454	52	49	13
3	485	46	54	49	524	49	13
				THE OWNER WHEN THE OWNER			- 2

21

D

22 Of Unequal Sided Timber, &c.

\$							
	1 52	1 101			1 00 1		73
- 3	621	104	48 I	N. BY	SU IN. BY		12
	1 223	40.2			501 is 501		13
- 2	04	1 492	1 4841	is 484	51	1 50%	18
- 2	reres	*****	10	1.388	112	503	12
2	461	N. BY	101	143	50	51	13
ź	102		1 202	101	56	01	18
ž	37 1	e 464	30	49	522	513	13
ź	171	3 103	505	494	53	515	15
- 5	1 412	196	51	494	531	512	12
-3	48	47 \$	SIL	403	61	6.2	12
-3	484	47.5	60	50	1 04	100	12
- 3	49	477	100	00	101 1		12
- 3	101	1.9	023	301	2031	N. B¥	18
3	502	1 101	53	501	51 i	5 50 1	12
3	30	184	534	501	514	1.51	18
3	501	182	54	51	52	513	11
3	51	484	henry	sec.ee	6.91	CIT	18
3	514	49			042	013	18
ŝ	52	494	484 I	N. BY	53	512	12
ž	5.25	101			532	52	18
2	602	101	10 6	163	54	523	18
ż	03	494	401	134	more		15
3	534	493	492	41	51 T	L BY	13
3	54	50	50	494	111	611	13
3	mm	isser	505	491	0121	\$ 212	13
ŝ			51	493	52	512	13
ŝ.	47 1	N. BY	514	50	525	511	18
5			002	chit	53	52	15
5	47k i	8 47 1	00	203	531	501	13
	48	474	522	50支	6.1	6.21	13.
	481	173	53	503	04	002	13
	402	10	534	51	CIT T	******	iż.
3	10	101	54	514	0121	N. BY	18
3	4112	453	concerning in the second	www.	52 is	512	8
3	50	435			521	52	ξ.
3	50系	484	49 IN	. BY	53	524	\$
3	51	49			531	591	5
3	514	491	495 6	s 49 1	642	002	3
3	5.2	101	50	494	04	2.53	3
3	501	101	501	403	10 3015	~~~~	3
3	062	49.4	51	50	22 IN	. BY	3
ž	53	30	CII	201	52 1 2	\$ 524	3
3	531	501	512	204	53 1	524	3
5	54	503	52	205	534	523	5
2	NON	min	522	501	61	62	5
2	471 1		53	51	04	00	5
ż	4151	N. BY	534	514	COL T.	~~~~~	8
§.	40.4	473	54	511	0021	N. BA	3
Ś	43 14	472	000000	2	53 is	521	3
Ś.	485	48			534 1	53	3
٤	49	483	49 J I	. BY	54	534	3
ŝ	494	481			seren.	~~~~	2
3	50	484	50 is	494	53 L	L BY	3
5	501	40	504 1	50			3
Ś.	612	tot	612	103	53 i	\$ 53	ž
2	01	47.2	01	004	54 1	53	ž
3	314	492	313	30 2	www.	in	5
5	52	494	52	50:	534 I:	N BY	ž
5	524	50	524	51	54 20	532	ż
\$	53	504	53	511	04 28	0.02	3
3	534	504	534	511	54 T.	DV	3
3	54	002	512	C18	04 18	. BY	3
2	04	203	04	214 1			3
							-

A NEW

# TABLE

### OF

SOLID MEASURE,

# Ready cast up:

Whereby the Solid Content, and center, quently the Vaine, of any Piece or Quartity of Timber, Stone, de, may be found, at scort, from 2 to 34 inches, the side of the Square, (or one-fourth of the Girlt) and from one Quarter of a Foot, to 45 Feet, the Length; and therefore, by addition only, may serve to any greater breadth, if there should ever be occasion.

See this Table unplained on page x. &c.

A New Table of

- 5	porror.		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		SIDE 2 IN.	SIDE 24 IN.
	FT.	PT IV PA LVG	PT IN DA
			0.0.6
- 3			0 0 10 18
-	6	0 0 8 2	0 0 10 12
3	3	0 1 0 3	0 1 3 18
3	4	0 1 4 4	0 1 8 3
- 5	5	0 1 8 5	0 2 1 3
3	6	0 2 0 6	0 2 6 2
3	7	024 7	0 2 11 1
3		02000	0 4 4 13
- 2	0	03000	0 2 0 1
3	10		0 5 8 8
- 2	10	0 3 4 10	0 4 2 3
- 8	11	0 3 8 111	047 3
- \$	12	0 4 0 12	0 5 0 12
3	13	0 4 4    13	0 5 5 12
3	14	0 4 8 14	0 5 10 8
3	1.5	0 5 0 15	0 6 3 8
ł	16	0 5 4 18	0 6 8 3
ş	17	0 5 8 17	0713
ş	1 10	0 8 0 19	- 0 7 8 15
ş	10	0 8 4 10	0 7 11 13
3	20	0 0 4 10	
3	20	0 0 8 20	0 8 4 3
3	21	0 7 0 21	0 8 9 3
ş	22	0 7 4 22	0 9 2 3
1	23	0 7 8 23	0 9 7 3
3	24	0 8 0 24	3 0 01 0
ş	25	0 8 4 25	010 5 3
ż	26	0 8 8 26	0 10 10 3
ş	27	0 9 0 27	0 11 3 12
3	28	0 9 4 28	0 11 8 18
ž	29	0 9 8 29	1013
\$	30	0 10 0 30	106 [2
ş	31	0 10 4 31 1	1 0 11 18
ş	30	0 10 8 32	1 1 4 1
£	22	0 11 0 33	1 1 0 3
ş	24	0 11 4 24	1 9 9 2
3	34	0 11 9 94	1 0 7 1
3	30	0 11 8 00	1 2 0 1
3	30	1 0 0 38	1 5 0 5
3	37	1 0 4 37	1 3 5 3
3	38	1 0 8 38	1 3 10 15
ŝ.	39	1 1 0 39	1 4 3 [{
\$	40	1 1 4 40	1 4 8 3
3	41_	1 1 8 41	1513
٤	42	1 2 0 42	1563
3	43	1 2 4 43	1 5 11 3
3	44	1 2 8 44	1 6 4 3
31	45	1 3 0 45	1 6 9 3
ŝ	mas	mummmm mm	some survey is
~~~	₫ PT.	FT. IN. PA. 8	FT. IN. PA. 8.
3	4	0 0 1 0 1	0 0 1 3 2
3	4	0 0 2 0 1	0 0 2 6 3
	23	0 0 3 0 3	0 0 3 9 3
	4		
D 2

26

A New Table of

14	press.	*****	****	*************	1-3
	3	SIDE 3 IN	11	Sing 31 Iv	13
	E PT.	SIDE O IN.	FT.	COMP OF IN.	13
	LNG	FT. IN. PA.	LNG.	FT. IN. PA.	3
	1	0 0 0	1 1	0 0 10	12
	8 6	0 1 0	1 0	0 0 10	3
		0 2 2	2	0 2 7	13
	3 3	0 2 0	0	0 2 1	3
		0 2 0	4	0 3 0	3
ł	0	0 5 9	0	0 4 4	3
Ľ,	0	0 4 0	0	0 0 0	2
-	1 1	0 0 0	1	0 0 1	3
	0	0 0 0	0	0 7 0	3
1	9	0 0 9	9	0 7 11	3
1	10	0 1 0	10	0 8 9	3
1	11	0 8 3	11	0 9 8	3
1	12	090	12	0 10 6	3
1	13	099	13	011 5	3
3	14	0 10 6	14	103	3
3	15	0 11 3	15	112	ş.
3	16	100	16	1 2 1	ŝ
3	17	109	17	1 3 11	ŝ
3	18	1 1 6	18	1 3 10	3
3	19	1 2 3	19	148	3.
3	20	1 3 0	20	157	3
200	21	1 3 9	21	1 6 5	3
3	22	146	22	174	3
ş	23	1 5 3	23	182	ŝ.
ş	1 24	1 6 0	24	191	ξ.
ş	1 25	169	25	1 10 0	ŝ.
ş	26	176	26	1 10 10	
ş	27	183	27	1 11 9	ş.
3	28	190	28	207	٤
ş	29	199	29	2 1 6	ş
ş	30	1 10 6	30	224	
ž	31	1 11 3	31	233	3
ş	32	200	34	242	Ł
3	33	209	33	2 5 0	٤
ş	34	216	34	2 5 11	3
3	35	223	35	2 6 9	5
3	36	2 3 0	36	278	ξ.
3	37	2 3 9	37	2 8 6	
ş	38	246	38	295	ŝ.
ş	39	2 5 3	39	2 10 3	8
ş	40	2 6 0	40	211 2 1	
ž	41	2 0 9	41	300	
ş	42	276	42	3 0 11	
3	43	283	+3	3 1 10	
ł	44	290	44	3 2 8	
3	45	2 9 9	40	3 3 7	
www.	‡ FT.	FT. 1N. PA. 8	FT.	FT. IN. PA. S.	
2	ł	0 0 2 3	1	0 0 2 6 3	
Z	-	0 0 4 6	+	0 0 5 0 3	
ş	4100	0 0 6 9	-	0 0 7 6	
				1	

ş.	****	~~~~~	****	**********	1.50
		SIDE 31 IN.		SIDE 33 IN.	· ····
\$	PT.	PT IN DA	FT.	······	3
ż.			LNG	P1. IN PA.	3
	2	0 2 0	2	0 1 2	ž
	3	0 3 0	3	0 3 6	ŝ
٤	4	0 4 1	4	0 4 8	ì
	5	0 5 1	5	0 5 10	ş
2 I	6	0 6 1	6	0 7 0	ş
ŝ	7	0 7 1	7	0 8 2	ş
3	8	0 8 2	8	0 9 4	ş
2	10	0 9 2	9	0 10 6	ş
ŝ	11	0 10 2	10	0 11 8	ł
	12	103	12	1 2 0	ş
ł	13	1 1 3	13	1 3 2	Ş
ŝ	14	1 2 3	14	1 4 4	3
	15	1 3 3	15	1 5 6	ş
\$	16	1 4 4	16	1 6 9	ŝ
2	17	154	17	1 7 11	ş
ŝ	18	1 6 4	18	1 9 1	ş
ŝ	20	1 7 4	19	1 10 3	ş
ł	21	1 8 8	20	1 11 5	ş
ŝ	22	1 10 5	22	2 1 0	ł
ş	23	111 5	23	2 2 11	ş
ł	24	2 0 8	24	2 4 1	ş
ŝ	25	2 1 6	25	2 5 3	ž
3	26	228	26	2 8 5	ş
ŝ	27	2 3 6	27	277	ş
ŝ.	28	247	28	2 8 9	ş
Ś.	30	2 0 7	29	2 9 11	2
ş.	31	2 7 7	31	2 0 2	ş
ŝ.	32	288	32	3 1 6	3
ş.	33	2 9 8	33	3 2 8	2
ŝ.	34	2 10 8	34	3 3 10	ş
ŝ	35	2 11 8	35	3 5 0	3
ş.	36	3 0 9	36	3 6 2	2
ŝ.	38	3 1 9	37	374	ş
ş.	3.9	3 3 0	20	3 8 6	2
ş	40	3 4 10	40	3 10 10	3
ŝ.	41	3 5 10	41	4 0 0	ì
ž.	42	3 6 10	42	4 1 2	3
ş	43	3 7 10	43	4 2 4	3
ì	44	3 8 11	44	4 3 6	22
ş	45	3 9 11	45	4 4 8	3
~~~~	1 FT.	PT. IN. PA. 8.		FT. IN. PA. 8.	
3	1	0 0 3 0	1	0 0 3 6	2
3	1 2	0 0 6 0	120	0 0 7 0	3
2	4	10 0 9 0	1 4	0 0 10 6	3

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A New Table of

1	*****	**********				m		13
3		Sing 4	Iv		1 8.0		Ter	13
-	FT	, MARCANCE	in.	FT.	1010	11 0	IN.	13
3	LNG	. FT. 1N.	PA.	LNG	FT	IN.	PA.	13
3	1	0 1	4	-		-		- 3
3	0	0 9	7		0	1	0	
3	2	0 4	0	2	0	0	0	3
3	0	0 4	0	3	0	4	6	13
2	1 7	0 0	7	4	0	0	0	15
3	0	0 0	0	0	0	7	0	13
3	0	0 0		0	0	8	U	18
ŝ	1 0	0 9	4	7	0	10	0	13
3	0	0 10	0	8		0	0	13
ż	10	1 0	0	9		1	6 -	13
3	10		4	10	1 1	3	0	3
3	110	1 2	8	10		4	0	12
ş	12	1 4	0	14		0	0	3
ş	15	1 5	4	13		7	0	3
3	14	1 6	8	14	1	9	0	3
5	13	1 8	0 1	15	1 1	10	6	3
3	10	1 9	4	16	1. 2	0	1	3
3	17	1 10	8	17	2	1	7	ż
3	18	2 0	0	18	2	3	1	3
3	19	21	4	19	2	4	7	3
3	20	22	8	20	2	0	1	:
3	21	2 4	0	21	2	7	7	3
\$	22	2 5	4	22	2	9	1	ž
3	23	2 6	8	23	2	10	7	
3	24	28	0	24	3	0	1	3
	25	2 9	4	25	3	1	7	3
3	26	2 10	8	26	3	3	1	3
3	27	3 0	0	27	3	4	7	ş
3	28	- 3 1	4 11	28	3	6	1	3
5	29	3 2	8	29	3	7	7	3
3	30	3 4		30	3	9		\$
3	51	3 5	4	31	3	10	7	3
3	32	3 6	8	34	4	0	2	ŝ
3	33	3 8		33	4	1	8	3
1	34	3 9	4	34	4	3	2	3
3	35	3 10	5	35	4	4	8	\$
3	30	4 0 0		30	4	0	2	3
3	07	4 1 1		20	4	1	8	2
3	35	4 2 1		20	4	8	6	3
3	00	4 4 (		40	4	0	5	3
31	40	4 3 4	: 11	40	3	0	8	ξ.
21	41	4 0 8		41	5	1 1	5	ş
\$1	42	4 8 1		40	0	3	6	ξ.
3	40	4 9 4		TO AA	5	4 1		į.
5	44	4 10 8		10	0	2		3
3	GF	0 0 0		OF	3			2
	FT.	FT. 1N. PA.	8 4	FT.	FT. 1N.	PA.	8.	
	*	0 0 4	0	*	0 0	4	6	
	3	0 0 8	0	+	0 0	9	0	
	- the	0 1 0	0	4	0 1	1	6 2	
							- 2	

φ.	****			222222222-2777777	2
	PT	SIDE $4\frac{1}{2}$ In.		SIDE 43 IN.	
1	LNO.	FT. IN. PA.	LNG	FT. IN. PA.	
		0 1 0		0 1 10	
31	1	018	1	0 1 10	
	2	0 3 4	2	0 3 9	
31	3	0 5 0	3	0 5 7 1	
31	4	9 6 9	4	0 7 6	
	5	0 8 5	5	0 9 4	
	6	0 10 1	6	0 11 3	
	7	0 11 0	7	I I I I	ł
			e i	1 3 0	
3	0	1 0 0	0	1 4 11	
	10	1 3 4	9	1 4 11	
2	10	1 4 10	10	109	
2	11	166	11	1 8 8	
2	12	183	12	I 10 6	ł
3	13	1 9 11	13	205	ŝ
3	14	1117	14	2 2 3	ł
3	15	213	1.5	242	ŝ
3	16	2 3 0	16	2 6 1	ŝ
3	17	9 4 8	17	- 2 7 11	ŝ
ź	10	9 9 4	10	2 0 10	ŝ
\$	10	0 0 7	10	4 11 0	ŝ
3	20	2 0 0	19	2 1 7	ş
3	20	299	20	3 1 1	ŝ
2	41	211 0	21	000	ź
3	22	3 1 1	22	3 5 4 ]	
3	23	3 2 9	23	372	3
3	24	3 4 6	24	391	
3	25	3 6 2	25	3 11 0	
3	26	3 7 10	26	4 0 10	
2	27	3 9 6	27	4 2 9	
3	28	3 11 3	28	447	
3	29	4 0 11	29	4 6 6	
3	30	4 2 7	30	4 8 4	
5	31	4 4 3	31	4 10 3	
3	32	4 6 0	32	502	
ž	33	4 7 8	33	520	
3	34	4 9 4	34	5 3 11	
3	35	4 11 0	35	5 5 9	
2	36	509	36	578	3
2	37	5 2 5	37	596	3
ŝ	38	541	38	5 11 5	1
à	39	5 5 9	39	6 1 3	ł
2	40	576	40	6 3 2	ł
3	41	5 9 2	41	6 5 1	1
3	42	5 10 10	42	6 6 11	1
3	12	1 0 0 C	10	8 8 10	1
3	10	6 9 3	44	6 10 8	l
1000	44	6 3 11	14	7 0 7	I
1	Gr	0 0 11	GT	manna	1
	+ FI	FT. IN. PA. S.	1 FT	FT. IN. PA 8.	
	1	0 0 5 0	1	0 0 5 6	
	1 1	0 0 10 0	12	0 0 11 0	
1	4	0 1 3 0	1 4	0 1 4 6	
	-			statements and allowed the second	

A New Table of

	pares.	******	*****	****************	
		SIDE 5 IN.	11	SIDE 54 IN.	
		G FT IN DA	I FT	DT IN DA	3
-	-	0. FI. IA. FA.	DAG	FI. IN. PA.	3
			1	023	3
		0 4 2	2	0 4 7	3
3		0 0 3	3	0 0 0	ş
3	3	0 10 5	1 5	0 11 .	ŝ
3	6	106	B	1 1 9	ş
3	1 7	1 2 7	7	1 4 0	ş
3	8	148	8	1 6 4	ŝ
3	9	1 6 9	9	188	ŝ
3	10	1 8 10	10	1 10 11	ş.
3	11	1 10 11	11	2 1 3	ş.
3	112	210	12	2 3 6	ŝ
3	1 13	2 3 1	13	2 5 10	ş.
ş	14	2 5 2	14	281	2
ş	15	27-3	15	2 10 5	2
3	10	9 11 5	10	3 0 0	١.
3	18	3 1 6	10	3 5 4	
3	19	3 3 7	10	377	
3	20	3 5 8	20	3 9 11 3	
3	21	3 7 9	21	402	
3	22	3 9 10	22	4 2 6	
3	23	3 11 11	23	4 4 9	
3	24	4 2 0	24	4713	
3	25	4 4 1	25	495	
3	28	4 6 2	26	411 8 8	
3	27	4 8 3	27	5203	
3	28	4 10 4	28	5 6 7 2	
3	30	5-9 6	20	5 8 10 5	
31	31	547	31	5 11 2	
٤I	32	568	32	6 1 6 3	
3	33	5 8 9	33	6 3 9 3	
ŝl	34	5 10 10	34	6 6 1 - 2	
31	3.5	6 0 11	35	684	
5	36	6 3 0	36	6 10 8 3	
31	37	6 5 1	37	7 0 If §	
٤I	38	672	38	7 3 3 3	
\$1	39	693	39	7 5 6 3	
31	40	011 4	40	7 1 10 15	
	41	7 2 8	41	0 0 0	
21	43	7 5 7	19	6 2 0 1	
8	44	778	44	8 5 0 2	
1	4.5	799	45	874	
				in mannen i	
-	FT.	FT. IN. PA. S	FT.	FT. IN. PA. S.	
	4	0 0 6 3	+	0 0 6 9 3	
1	1	0 1 0 .6	-	0 1 1 6 3	
1	2	0 1 6 9 1	4	0 1 8 3 1	

-4		*****	555-11.	************	-5
2000		SIDE 51 IN.		SIDE 54 IN.	
200	FT.	Parter Die Die	FT.	PT IN DA	
3		FL. IN. FA.	DAU.	F1.13. FA.	
ŝ		0 2 6	1	0 2 9	ì
3	2	0 5 0	2	0 5 0	ş
\$	3	0 1 0	3	0 8 3	
3	4	1 0 7	4		Į
3	B	1 3 1	6	1 4 6	ŝ
3	7	1 5 7	7	1 7 2	ł
3	8	182	8	1 10 0	ł
3	9	1 10 8	9	2 0 9	Į
3	10	212	10	2 3 6	ŝ
2	11	2 3 8	ii	263	ŝ
3	12	2 6 3	12	2 9 0	ł
3	13	289	13	211 9	Į.
ş	14	211 3	14	326	Į
3	15	3 1 9	15	3 5 3	ŝ
ş	16	3 4 4	16	3 8 1	ł
3	17	3 6 10	17	3 10 10	ŝ
ş	18	394	18	4 1 7.	ł
ŝ	19	3 11 10	19	444	ŝ,
ş	20	4 2 5	20	471	ł
3	21	4 4 11	21	4 9 10	Ś
ş	22	475	22	507	2
ž	23	4 9 11	23	5 3 4	ţ
ŝ	24	500	24	5 6 1	ł
ŝ	26	5 5 0	25	5 8 10	ş
3	27	6 6 0	20	511 1	ł
3	28	5 10 7	21	0 6 4	ţ
ş.	29	8 1 1	20	6 7 10 1	ł
ş	30	6 3 7	30	6 10 7	1
ż	31	6 6 1	31	7 1 4	ł
ž	32	6 8 8	32	7 4 2	\$
ş	33	6 11 2	33	7 6 11	1
3	34	7 1 8	34	7 9 8	1
ş	35	742	35	8 0 5	1
3	36	769	36	8 3 2	
2	37	7 9 3	37	8 5 11	
3	38	7 11 9	38	8 8 8	
ž	39	8 2 3	39	811 5	
ŝ.	40	8 4 10	40	922	
ş.	19	874	41	9411	
ŝ.	43	8 9 10	42	9 7 8	
ŝ	44	0 9 11	43	10 1 9	
2	4.5	9 5 5 1	45	10 3 11	
ŝ	11.11	man mann	10	manner at	
	\$ FT.	FT. IN PA. S	1 FT.	FT IN. PA. S.	
3	4	0 0 7 6	4	0 0 8 3	
ž	1	0 1 3 0	12	0 1 4 6	
3	4	0 1 10 6	*	0 2 0 9	
-					

A New Table of

*	~ ~ ~ ~	~~~~		****	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	9
	PT.	SIDE	6 IN.	FT.	SIDE 64 IN.	
ş	LNG.	FT. I	N. PA.	LNG.	FT. IN. PA.	1
ş		0	3 0	1 1	0 3 3	3
3	2	0	6 0	2	0 6 6	i,
3	3	0	9 0	3	0 9 9	ŝ
ŝ	4	1	0 0	4	1 1 0	ŝ
ş	5	1	3 0	5	1 4 3	í.
3	6	1	6 0	6	176	ł
ş	17	1	0 0	7	1 10 9	3
3	8	2	0 0	8	220	ş
ş.	9	2	3 0	9	2 5 3	ł
ş.	10	2	6 0	10	286	3
ş	11	2	0 0	11	2 11 9	ì
ş	12	3	0 0	12	3 3 0	ŝ
ş	13	3 .	3 0	13	3 6 3	ž
ş	14	3	6 0	14	3 9 6	ş
ş	15	3	9 0	15	409	3
ş	16	4	0 0	10	4 4 1	ş
3	17	4	3 0	14	4 7 4	ŝ
ş.	18	4	0 0	10	4 10 7	ş
ŝ	19	4	9 0	10	5 1 10	ş
ŝ.	20	5		21	0 0 1	ŝ
5	21	5	6 0	22	6 11 7	ş
ŝ.	00	5		23	8 2 10	ł
ŝ.	24	6	0 0	24	6 6 1	ş
ž	20	8	3 0	25	6 9 4	ł.
ş	28	6	6 0	26	7 0 7	ŝ
ş	29	6	R O	27	7 3 10	3
3	28	7	0 0	28	771	ş
ş	29	7	3 0	29	7 10 4	ş
ş	30	7 1	8 C	30	8 1 7	3
ş	31	7 1	0 0	31	8 4 10	ŝ
ş	32	8 1	0 0	32	8 8 2	ş
3	33	8 ;	3 0	33	8 11 5	ş
ş	34	8 1	B ()	34	928	ŝ
ş.	35	8 1	9 0	35	9 5 11	ŝ
ş.	36	9	0 0	36	992	ş
ş	37	9	3 0	37	10 0 5	ŝ
ş	38	9 1	B 0	38	10 3 8	ŝ
ş	39	9	9 0	39	10 6 11	ŝ
ş.	40	10 1	0 0	40	10 10 2	ş
3	41	10	3 0	41		ş
ŝ.	42	10	0 0	12	11 7 0	٤
ş	43	10	9 0	40		ŝ
ŝ	44		2 0	45	10 9 5	3
3	40	11 4	5 0	10000	New Contraction	ş
	‡ FT.	PT. 1N.	PA. 8	÷ PT.	FT. IN. PA. 8	+++++
2	4	0 0	9 0	1 +	0 0 9 9	2
3	1	0 1	6 0	1	0176	ş
3	and a	0 2	3 0	1 4	0 2 5 3	ż
5	-					ă.

9	*****	*****	****	~~~~~
· veres		SIDE 62 IN.	RT	SIDE 63 IN.
3	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.
ş	1	0 3 6	1	0 3 9
ž	2	070	2	077
ş	3	0 10 6	3	0 11 4
3	4	121	4	1 3 2
ş	5	1 5 7	5	1 6 11
3	6	191	6	1 10 9
3	7	207	7	226
ş	8	2 4 2	8	264
3	9	278	9	2 10 2
Ś	10	211 2	10	- 3 1 11
3	11	3 2 8	11	3 5 9
3	12	3 6 3	12	3 9 6
3	13	3 9 9	13	4 1 4 3
3	14	4 1 3	14	4 5 1
3	15	4 4 9	15	4 8 11
ŝ	16	4 8 4	16	509
ş	17	4 11 10	17	5463
3	10	5 8 10	18	8 0 1 3
3	20	5 10 5	19	6 2 11
ŝ	21	6 1 11	20	0 3 11
3	22	8 5 5	0.0	8 11 8
ŝ	23	6 8 11	23	7 3 3
3	24	7 0 6	2.1	771
3	25	740	25	7 10 11
ş	26	776	26	8 2 8 3
ŝ.	27	7 11 0	27	8 6 6 8
ŝ.	28	8 2 7	28	8 10 3
ŝ.	29	8 6 1	29	9 2 1 3
3	30	897	30	9 5 11 3
ş.	31	9 1 1	31	998 5
ş	32	0 4 8	38	10 1 6 3
3	33	9 8 4	33	10 5 3 18
\$	34	10 3 2	34	10 9 1 2
ş.	36	10 8 9	30	
\$	37	10 10 3	30	11 9 6 1
ş.	38	11 1 9	38	12 0 3 13
ž	30	11 5 3	30	12 4 0 1
ş	40	11 8 10	40	12 7 10 1
ŝ.	41	12 0 4	41	12 11 8 13
3	42	12 3 10	42	13 3 5 8
3	43	12 7 4	43	13 7 3 2
ž	44	12 10 11	44	13 11 0 \$
ş	45	13 2 5	45	14 2 10
3	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~ · · · · · · · · · · · · · · · · · · ·
3	\$ PT.	FT. IN. PA. 8	\$ FT.	FT. IN. PA. 8.
3	4	0 0 10 6	1	0 0 11 3 3
3	2	0 1 0 0	1	0 1 10 6
2	- 2	0 2 7 6	2	0 2 9 9 3
-	110000			

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A New Table

4				
in		SIDE 7 IN.	1	SIDE 71 IN.
ş	FT.	******	FT.	mannin
3	LNG.	FT IN. PA.	LNG.	FT. IN. PA.
3	1	0 4 1	1	044
2	2	0 8 2	2	0 8 9
3	3	103	3	III
3	4	144	4	156
8	5	185	5	1 9 10
3	6	2 0 6	6	2 2 3
3	7	2 4 7	7	2 8 7
\$	8	288		211 0
3	9	309	0	3 3 5
2	10	3 4 10	10	376
2	iii	3 8 11	11	4 0 9
3	12	4 1 0	12	4 4 6
3	13	4 5 1	13	4 8 11
3	14	4 0 2	14	5 1 3
3	15	5 1 3	16	5 5 8 3
3	10	5 5 4	10	5 10 1
5	17	5 9 5	17	8 9 5
	10	8 1 6	10	8 0 10
3	10	0 1 0	10	6 11 2 3
1	19	0 0 0	19	0 11 × 3
\$	20	7 1 0	20	7 7 11 3
3	00	* 5 10	00	0 0 4 4
2	22	7 0 11	22	0 1 8 3
2	23	1 9 11	23	8 4 0 1
3	24	8 2 0	24	0 1 0 1
31	23	8 0 1	20	0 1 0 3
2	20	0 9 9	20	0 10 2 3
3	27	9 6 3	21	10 0 7 3
2	28	9 0 4	28	10 2 1
\$	29	9 10 0	29	10 1 0 3
3	30	10 2 0	30	10 11 4
5	31	10 0 7	31	11 3 9 3
3	32	10 10 8	32	11 8 6 8
ŝ	33	11 2 9	33	12 0 0
3	34	11 6 10	34	12 4 11
	35	11 10 11	35	12 9 3
3	36	12 3 0	36	13 1 8
2	37	12 7 1	37	13 6 0
2	38	12 11 2	38	13 10 3
2	39	13 3 3	39	14 2 9
2	40	13 7 4	40	14 7 2
3	41	13 11 5	41	14 11 7
3	42	14 3 6	42	15 3 11
ş	43	14 7 7	43	15 8 4
200	44	14 11 8	44	16 0 8
3	45	15 3 9	45	10 5 1
5	*****	*******	non.	mmmmm
	\$ FT.	FT. IN PA. S.	‡ FT.	FT. IN. PA. S.
3	+	0 1 0 3	+	0110
2	1	0 2 0 6	1	0 2 2 0
3	24	0 3 0 9	24	0 3 3 0
3	- 4			

. 0	~~~~	*****	sources	~~~~~	~
		SIDE 71 IN.		SIDE 73 IN.	1000
3	FT.	FT. IN. PA.	FT.	FT. IN. PA.	
£					13
ş	1	0 4 8	1	.050	13
ş	2	094	2	0 10 0	18
3	3	120	3	1 3 0	18
3	4	1 6 0	4	1 8 0	12
3	ŝ	1 11 5	i s	2 1 0	18
3	0	2 4 1	0	2 2 0	18
ξ.	0	0 4 1	0	2 0 0	3
3	7	289	7	2 11 0	3
ş	8	3 1 6	8	3 4 0	3
ş.	9	3 6 2	9	390	ş
\$	10	3 10 10	10	4 2 0	ş
ş	11	4 3 6	11.	4 7 0	ŝ
3	12	4 8 3	12	500	3
3	13	5 0 11	13	5 5 0	3
3	14	5 5 7	14	5 10 0	3
ź	16	5 10 2	10	8 2 0	3
ş	10	8 2 0	15	0 3 0	3
ş.	10	0 3 0	16	0 8 1	3
3.	17	078	17	7 1 1	2
ş.	18	7 0 4	18	7 6 1	ş
ξ.	19	7 5 0	19	7 11 1	3
٤.	20	799	20	841	3
ş.,	21	825	21	8 9 1	3
3	22	871	22	921	3
ş.	23	8 11 9	23	971	ż
ş.	24	9 4 6	24	10 0 1	ş
ξ.	25	0 0 2	96	10 6 1	3
3.	2.8	10 1 10	00	10 10 1	3
3	27	10 9 4	20	10 10 1	ş
٤.	20	10 0 0	21	11 3 1	ş
\$	80	10 11 5	28	11 8 1	\$
	29	11 8 11	29	12 1 1	3
	30	11 8 7	30	12 6 1	3
۶I	31	12 1 3	31	12 11 1	3
2 I	32	12 6 0	32	13 4 2	ş
3	33	12 10 8	33	13 9 2	3
ž.	34	13 3 4	34	14 2 2	2
31	35	13 8 0	3.5	14 7 2	3
3	36	14 0 9	36	15 0 2	3
3	37	14 5 5	37	15 5 2	1
ş	38	14 10 1	39	15 10 2	3
	39	15 2 9	80	18 2 2	3
3	40	15 7 8	40	16 0 0	3
ŝ	41	18 0 9	40	17 8 2	3
ş	49	18 4 10	11	17 0 2	1
3	10	10 4 10	42	17 6 2	3
ž	13	10 9 8	+3	17 11 2	3
3	44	17 2 3	44	18 4 2	3
3	45	17 6 1 1	45	18 9 2	2
3		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*****	************	3
3	¢ FT.	FT. IN. PA. 8	\$ FT.	FT. IN. PA. S.	3
3		0 1 2 0		0 1 0	3
ş.	4	0 2 4 0	1	0 1 3 0	3
3	2	0 2 4 0	3	0 2 8 0	3
5	3	0 3 8 0 1	4	0 3 9 0	3

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A New Table

4			uner.		-4
	FT.	SIDE 8 IN.	FT.	SIDE 84 IN.	Inner
3	LNG	FT. IN. PA.	LNG	FT. IN. PA.	13
3	11	0 5 4	1	0 5 8	13
3	2	0 10 8	2	0 11 4	3
ŝ	3	140	3	1 5 0	13
3	4	194	4	1 10 8	3
3	5	228	5	2 4 4	3
3	6	280	6	2 10 0	3
3	7	314	7	3 3 8	13
3	8	308	8	3 9 4	3
3	10	4 5 4	10	4 8 8	12
à	10	4 10 8	11	5 2 4	3
\$	12	540	12	5 8 0	3
ŝ	13	594	13	6 1 8	12
ŝ	14	6 2 8	14	674	3
3	15	6 8 0	15	7 1 0	3
ž	16	714	16	7 6 9	3
3	17	7 6 8	17	805	12
3	18	800	18	8 6 1	3
\$	19	8 3 4	19	8 11 9	3
3	20	8 10 8	20	0 11 1	2
2	20	9 9 4	02	10 4 9	3
\$	23	-10 2 8	23	10 10 5	3
3	24	10 8 0	24	11 4 1	3
5	25	11 1 4	25	11 9 9	3
3	26	11 6 8	26	12 3 5	2
3	27	12 0 0	27	15 8 1	5
\$	28	12 5 4	28	13 2 9	3
5	29	12 10 8	29	13 8 5	2
5	30	13 4 0	30	14 7 0	3
5	20	14 9 9	31	15 1 8	3
2	32	14 8 0	33	15 7 2	3
3	34	15 1 4	34	16 0 10	3
3	35	15 6 8	35	16 6 6	ż
3	36	16 0 0	36	17 0 2	3
3	37	16 5 4	37	17 5 10	\$
\$	38	16 10 8	38	17 11 6	ż
3	39	17 4 0	39	18 5 2	3
3	40	17 9 4	40	18 10 10	ş
2	41	18 2 8	41	19 4 0	3
\$	42	18 8 0	40	20 3 10	5
	44	10 6 8	44	20 9 6	3
	45	20 0 0	45	21 3 2	ş
2		minnin			ż
Seales -	FT.	FT. IN. PA. 8	‡ FT.	FT. IN. PA. 8.	anone.
3	+	0 1 4 0	4	0 1 5 0	3
2	121	0 2 8 0	-	0 2 10 0	ş
2	3	10 1 0 0 1	4	0 + 5 0 ]	3

4	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			÷
3		SIDE 84 IN.		SIDE 84 IN.	3
3	<b>₽T</b> .	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	FT.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ì
3	LNO.	FT. IN. PA.	LNG.	FT. IN PA.	ŝ
3	1	0 6 0	1	0 6 4	ş
3	2	1 0 0	2	109	ş
ž	3	160	3	1.71	ŝ.
ž.	4	2 0 1	4	216	ì
3	5	2 6 1	5	2 7 10	3
3	6	3 0 1	6	3 2 3	ξ.
ξ	7	3 6 1	1 7	. 3 8 7	\$
ŝ	8	402	8	4 3 0	ŝ.
3	9	402	9	495	ş
ž	11	5 0 2	10	5 10 9	ŝ.
\$	12	6 0 3	12	6 4 B	ŝ
3	18	6 6 3	12	6 10 11	ş
3	14	7 0 3	14	7 5 3	ş
ş	15	7 6 3	15	7 11 8	ž
ş	16	8 0 4	16	8 6 1	ŝ.
3	17	8 6 4	17	905	ş
3	18	904	18	9 6 10	\$
ş	19	9 6 4	19	10 1 2	ş.
3	20	10 0 5	20	10 7 7	ş.
3	21	10 6 5	21	11 1 11	ş.
2	22	11 0 5	22	11 8 4	ξ.
ŝ.	23	11 6 5	23	12 2 8	ş.
2	24	12 0 0	24	12 9 1	ş
3	98	12 0 6	25	13 3 0	3
3	97	13 6 6	20	14 4 2	ş
8	28	14 0 7	20	14 10 7	ş.
3	29	14 6 7	20	15 5 0	ŝ.
ş	30	15 0 7	30	15 11 4	ş
3	31	15 6 7	31	16 5 9	ŝ
ş	32	16 0 8	32	17 0 2	3
ž	33	16 6 8	33	17 6 6	ş.
ş	34	17 0 8	34	18 0 11	ş.
3	35	17 6 8	35	18 7 3	3
3	36	18 0 9	36	19 1 8	ŝ
ŝ	34	18 0 0	37	19 8 0 1	ŝ.
3	30	10 6 9	38	20 8 0	t
3	40	20 0 10	10	21 8 9	ŝ
ž	41	20 6 10	40	21 9 7	ž
ş	42	21 0 10	42	22 3 11	ŝ
ş	43	21 6 10	43	22 10 4	3
3	44	22 0 11	44	23 4 8	3
ş	45	22 6 11	45	23 11 1	ş
3	0011-	monor	· ·····		3
3	\$ FT.	FT. IN PA. 8.	1 FT.	FT. IN. PA 8.	
3	1	0 1 6 0	1	0 1 7 0	200
30	1	0 3 0 0	4	0 3 2 0	3
3	- And	0 4 6 0	24	0 4 9 0	3
2	-			State of Lot of	5

A New Table

4	berry		ere.		~~	~~	m	in					ne
		1	Su	DE	9 In		1	1	SI	DE	94	In.	Ten
3	LN	à. 1	F	F. 13	V. P.	~	LN	a		T. I		PA.	13
ž			-		0	-		-	-	0	-		- 3
.3			1		8						7	1	13
3			- 1	ċ	2						6	0	13
3	1		2	1	-0		- 1				1	R	13
3	5		2	9	9					1 5		7	12
ŝ	6		3	4	6		E			3 6		à	3
3	7		3	11	3		2			1	1	0	13
3	8		4	6	õ		8			1 5		õ.	15
3	9		5	0	9		9		1			2	2
3	10		-5	7	6		10			5 11		3	3
3	11		8	2	3		11		E	6		5	3
3	12		6	9	0		12		7	1		8	3
3	13		7	3	9		13		7	8	1	8	3
3	14		7	10	6		14		8	3	1	7	2
3	15		8	5	3		15		8	10	1	1	3
3	16		9	0	0		16		9	6	1		3
2	17		9	6	8		17		10	3	2	3	3
\$	18		10	1	6		18		10	8	4		3
3	19	h.	10	8	3		19		11	S	5		3
31	20		11	3	0	1	20		11	10	3		3
31	21		11	9	9	1	21		12	5	8		3
3	22		12	.4	6	1	22		13	0	10		3
31	23		12	11	3		23		13	7	ų		3
31	24		13	0	0	11	24		14	3	1		ž
31	25		14	~	9		25		14	10	3		ξ.
	20		14	0	2	Ш	20		10	0	4		3
	27.		10	0	0	Ш	21		10	7	~		ş
\$1	20		10	14	0	11	28		10	0	à		ž
31	20		IB	10	R	11	28		17	õ	10		\$
51	31		17	5	3		21		10	5	0		3
81	32		18	õ	0	11	32		19	0	2		5
81	33		18	6	9	Ш	33		19	7	3		3
81	34		19	4	6	11	34		20	2	5		ş
	3.5		19	8	3	1	3.5		20	9	6		
1	36		20	3	0		36		21	4	8		3
	37	3	05	9	9		37		21	11	9		5
	38	1	15	4	6		38		22	6	11		
	39	. 3	15	11	3		39		23	2	0		
	40	1	22	6	0		40		23	9	2		
	41	- 1	23	0	9	1	41		24	4	4		
	42	-	23	7	6	1	42		24	11	S	1	
	43	3	4	2	3		43		25	6	7	3	
	41	3	4	9	0	1	44		26	1	8	1	
	40			5	9		40		20	8	10	3	
	FT.	FT	- 1N.	PA	. 8	14	FT.	FT	. IN	. PA	. 8		
	+	0	1	8	3		+	0	1	9	3	13	
1	5	0	3	4	6		青	0	3	6	6	3	
1	mit 1	0	5	0	9	1	the state	0	5	3	9	12	

4				······································
		SIDE 91 IN.	-	SIDE 91 IN.
1	LNG	FT. IN. PA.	L.NG	ET. IN. PA.
÷.		0 7 8		0.7.11
3	2	1 3 0	2	1 3 10
3	3	1 10 6	3	1 11 9 3
ş	4	2 6 1	4	2 7 8 3
3	5	3 1 7	5	3 3 7 3
3	6	3 9 1	6	3 11 6
3	7	4 4 7	7	475
3	8	502	8	5 3 4 5
2	9	578	9	5 11 3 3
3	10	6 10 0	10	0 7 2 3
3	12	7 8 2	112	7 11 0 3
2	13	8 1 9	112	8 6 11 13
31	14	8 9 3	14	9 2 10 1
31	15	949	15	9 10 9 18
31	16	10 0 4	16	10 6 9 2
31	17	10 7 10	17	11 2 8 \$
31	18	11 3 4	18	11 10 7 18
31	19	11 10 10	19	12 6 6 }
21	20	12 6 5	20	. 13 2 5 13
٤ŀ	21	13 9 6	21	13 10 4
3	23	14 4 11	22	14 0 0 1
ξĮ	24	15 0 6	21	15 10 1
<u></u>	25	15 8 0	2.5	16 6 0 1
31	26	18 3 6	26	17 1 11
Žİ.	27 1	16 11 0	27	17 9 10 1
٤1	28 i	17 6 7	28	18 5 9 2
31	29	18 2 1	29	19 1 8
٤L	30	18 9 7	30	19 9 7 1
§	31	19 5 1	31	20 5 6
31	98	20 8 9	32	21 0 6
٤I.	34	21 3 8	34	22 5 4
٤Ŀ	35	21 11 2	35	23 1 3 1
31	36	22 6 9	36	23 9 2 3
1	37	23 2 3	37	24 5 1 2
٤.	38	23 9 9	38	25 1 0 2
11	39	24 5 3	39	25 8 11 5
	40	25 0 10	40	26 4 10
	41	28 2 10	41	27 0 9 3
	43	26 11 4	42	29 1 7 2
	44	27 6 11	40	20 0 6
	4.5	28 2 5	45	29 8 5 3
1-	no.	manning		1 www.www.
-147	Fr	FT. IN. PA. S.	\$ PT.	FT. IN. PA. 5.
	4	0 1 10 8	1	0 1 1 9 5
	21	0 5 7 8	23	0 5 11 6
1	3 1	0 0 1 0 1	41	0 0 11 3 3

A New Table of

-9		***	~~~	see.	****	~	555-1	~~~		****	sus	2224
2000		1	SID	E I	0 In			1	Sin	El	04 I	N.
ŝ	FT	. ~	~~~		~~~	~	FT			~~~	nin	~~
3	LNO	-	P 1	. 15	. PA	-	LNG	9.	P	T. D.	N. P.	h.
3	1		0	8	4		1		-	) 8	5 8	
ş	20		1	4	8		2				6 6	
3	3		20	1	0		3		2		3	
3	4		2	5	4		4				0	
3	B		4	2	ő		6		2		B	
ş	7		4	10	4		7				3	1
3	8	-	5	6	8		8		1	10	0	
3	9		6	3	õ		9		. 6	0	9	1
3	10		6	11	4		10		7	3	6	3
3	11		7	7	8		11		8	0	3	13
3	12		8	4	- 0		12		8	9	0	
3	13		9	0	4		13		9	5	9	13
3	14		9	8	8		14		10	2	6	13
3	15		10	5	0		15		10	11	3	1
3	16		11	1	- 4		16		11	8	1	
	17		11	9	8		17		12	4	10	12
3	18		14	0	0		18		10	10	-	13
3	19		12	10	4		19		10	10	7	15
\$	20		14	7	0		20		15	2	10	12
ŝi	20		15	3	4		00		IR	0	7	13
ŝi	23		15	11	8	1	22		16	9	4	3
2 I	24		16	8	0	Ľ	24	1	17	6	i.	13
Śi	25		17	4	4		25		18	2	10	13
21	26		18	0	8		26		18	11	7	13
31	27		18	9	0		27		19	8	4	13
ξ.	28		19	5	4		28		20	5	1	12
٤I	29		20	1	8		-29		21	1	10	18
3	30		20	10	0		30		21	10	7	13
21	31		21	6	4		31		22	7	4	3
٤i	32		22	2	8		32		23	4	2	13
	33		22	11	0		33		24	0	11	13
	34		63	8	4		34		24	9	6	15
	88		2.5	0	0		36		26	3	2	12
	37	-	25	8	4		37		26	11	n	13
	38	-	26	4	8		38		27	8	8	1
	39	5	27	1	0		39		28	5	5	12
	40	2	27	9	4		40		29	2	2	13
	41	2	28	5	8		41		29	10	11	13
	42	2	29	2	0		42		30	7	8	12
1	43	2	9	0	4		43		31	4	5	15
	44	10	0	6	8		44		32	1	2	12
	45	3	1	3	U		45	-	32	9		13
1 44	FT.	FT.	IN	. PA	. 8	1 Alar	FT.	FT	. 15	i. P/	1. 8.	erere.
	4	0	2	1	0		4	0	2	2	3	13
	12	0	4	2	0		-2	0	4	4	6	18
	2	0	6	3	0	I	*	0	6	6	9	13

4			*****		-0
3	1			1	ž
3		SIDE 101 IN.		SIDE 103 IN.	ş
3	PT.	mannen	FT.	******	3
ş	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.	3
1	1	092	1	0 9 7	ŝ
3	2	1 6 4	2	173	ŝ
3	3	236	3	2 4 10	ş
3	4	3 0 9	4.	326	ş
5	5	3 9 11	5	401	ŝ
2	6	471	6	4 9 9	ŝ
5	7	5 4 3	7	574	ş
3	8	6 1 6	8	6 5 0	ş
3	0	6 10 8	0	7 2 7	ŝ
ş	10	7 7 10	10	803	ŝ.
3	11	8 5 0	111	8 9 11	ş
3	12	9 2 3	12	0 7 8	ş
\$	12	9 11 5	12	10 5 9	٤
3	14	10 8 7	14	11 9 0	5
2	16	11 5 0	10	12 0 5	ž
ŝ	10	12 2 0	10	12 10 0	ł
3	10	12 0 9	10	12 10 0	ş.
3	110	13 0 4	17	13 1 8	ş.
3	18	10 9 4	18	14 0 4	ŝ.
3	19	15 3 0	19	15 2 11	٤.
ŝ.	20	10 3 9	20	10 0 7	ξ.
3	21	10 0 11	21	18 10 2	3
3	22	10 10 1	22	17 7 10	È
ŝ.	23	11 1 3	23	18 5 5	ξ.
3	24	18 4 6	24	19 3 1	3
3	25	17/18	25	20 0 9	3
ŝ	-26	19 10 10	26	20 10 4	ş.
ş	27	20 8 0	27	21 8 0	3
3	28	21 5 3	28	22 5 7	ž
ş	29	22 2 5	29	23 3 3	ş.
2	30	22 11 7	30	24 0 10	3
٤	31	23 8 9	31	24 10 6	3
3	32	24 6 0	32	25 8 2	ş.
3	33	25 3 2	33	26 5 9	;
ş	34	26 0 4	34	27 3 5	ž
3	3.5	26 9 6	35	28 1 9	\$
5	36	27 6 9	36	28 10 8	3
3	37	28 3 11	37	29 8 3	£
3	38	29 1 1	38	30 5 11	ş
3	39	29 10 3	39	31 3 6	2
3	40	30 7 6	40	32 1 2	£
3	41	31 4 8	41	32 10 10	Ł
3	42	32 1 10	42	33 8 5	ŝ.
2	43	32 11 0	43	34 6 1	ş.
G	44	33 8 3	44	35 3 8	3
8	45	34 5 5	45	36 1 4	3
ŝ		1110111111-1111		11 summer	3
222	Η FT.	FT. IN. PA. 8	\$ PT.	FT. IN. PA. S.	22.
R	+	0 2 3 6		0 2 4 0	ş
	4	0 4 7 0	4	0 4 9 0	ž.
8	24	0 6 10 6	243	0 7 9 9	ź
1	4	0 10 0	1 4	0123	
100				************	a ( )

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E

A New Tuble of

22		SIDE 11 IN.	ň	SIDE 114 IN.
200	LNG	FT. IN. PA.	LNG.	FT. IN. PA
3		0.10.1	1	0.10.0
3	1	1 6 9		0 10 0
3	2	2 8 3	i ã	277
3	4	3 4 4	4	3 6 2
3	5	4 2 5	5	4 4 8
3	6	506	6	5.33
3	7	5 10 7	7	6 1 9
3	8	6 8 8	8	704
3	9	7 6 9	9	7 10 10
	10	8 4 10	10	895
3	11	9 2 11	11	980 5
	12	10 1 0	12	10 6 6
3	13	10 11 1	13	11 5 1
100	14	11 9 2	14	12 3 7
3	115	18 7 3	15	13 2 2
3	110	13 5 4	10	14 0 9 3
3	117	14 3 0	16	14 11 3
ş	10	15 11 7	10	18 9 4
3	1 20	16 0 8	20	17 6 11
ŝ	21	17 7 9	21	18 5 5 8
3	22	18 5 10	22	19 4 0 3
3	23	19 3 11	23	20 2 6
ŝ	24	20 2 0	24	21 1 1 1
ŝ	25	21 0 1	25	21 11 8
3	26	21 10 2	.26	22 10 2
3	27	22 8 3	27	23 8 9 \$
3	28	23 6 4	28	24 7 3 2
3	29	24 4 5	29	25 5 10 3
2	30	25 2 6	30	26 4 4 3
3	31	26 0 7	31	27 2 11 3
3	32	20 10 8	36	28 1 6 3
3	33	21 8 9	33	29 0 0 8
3	20	20 4 11	25	20 0 1 5
2	36	30 3 0	36	31 7 8
ŝ	37	31 1 1	37	32 6 2 3
3	38	31 11 2	38	33 4 9
3	39	32 9 3	39	34 3 3
3	40	33 7 4	40	35 1 10 2
3	41	34 5 5	41	36 0 5
3	42	35 3 6	42	- 36 10 11
3	43	36 1 7	43	37 9 6
3	44	36 11 8	44	38 8 0 3
3	45	37 9 9	45	39 6 7
2				Survey Server 5
5	\$ FT.	FT. IN. PA. 8	f FT.	FT. IN. PA. 8.
3	+	0 2 6 3	1	0 2 7 6
3	4	0 5 0 6	1	0 5-3 0
2	-	0 7 6 9	2 ge	0 7 10 6

4			~~~~		*
3		SIDE 111 IN	1	SIDE 113 IN	3
3	FT.	SIDE 112 IN.	FT.	SIDE ILT IN.	ş
3	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.	3
3		0.11.0	1	0.11.6	ş
3	0	1 10 0	2	1 11 0	3
ŝ	3	290	3	2 10 6	ž
3	4	381	4	3 10 0	ş
ŝ	5	471	5	496	ş
2	6	5 6 1	8	590	ŝ
3	7	651	7	686	ŝ
ŝ	8	742	8	780	ş
3	9	8 3 2	9	876	ş
3	10	922	10	970	ŝ
3	11	10 1 2	11	10 6 6	ş
3	12	11 0 3	12	11 6 0	ş
3	13	11 11 3	13	12 5 6	ş
3	14	12 10 3	14	13 5 0	ŝ.
5	15	13 9 3	15	14 4 6	ş
3	16	14 8 4	16	15 4 1	ŝ
3	17	15 7 4	17	16 3 7	٤
\$	18	10 0 4	18	17 3 1	ŝ
ŝ	19	10 4 6	19	18 2 1	ş
ŝ	20	10 9 5	20	90 1 7	ì
3	21	20 2 5	21	21 1 1	ż
3	22	21 1 5	22	22 0 7	ş
3	23	92 0 6	23	23 0 1	ş
ż	24	22 11 8	24	23 11 7	ş.
3	-90	23 10 6	20	24 11 1	£
3	27	24 9 6	20	25-10 7	3
3	28	25 8 7	28	20 10 1	ş
\$	20	26 7 7	29	27 9 7	ş
3	30	27 6 7	30	28 9 1	ş
3	31	28 5 7	31	29 8 7	ş
ş	32	29 4 8	32	30 8 2	ş
3	33	30 3 8	33	31 7 8	ì
3	34	31 2 8	34	32 7 2	ş
20	35	32 1 8	35	33 6 8	2
3	36	33 0 9	36	34 6 2	3
3	37	33 11 9	37	35 5 8	3
3	38	34 10 9	38	30 5 2	ş
3	39	35 9 9	39	37 4 8	ş
ž	40	36 8 10	40	38 4 6	1
3	41	31 7 10	41	01 0 0 AL 2 9	ę
3	42	30 5 10	42	41 2 8	3
2	13	40 4 11	13	42 2 2	3
3	45	41 8 11	45	43 1 8	3
3	inn	service and	10	as inconserves	3
3	LPT	FT IN PA. S	IFT	FT IN PA S	2
3	4		4 11.		3
200	4	0 2 9 0	1 4	0 2 10 6	
2	1 2	0 5 6 0	1	0 5 9 0	
	1	10 8 3 0	11 7	10 8 7 6	

A New Tuble

4	form		****	****	sum			~~~~	100
- arres	FT.	SID	E 12	IN.	FT.	Su	DE I	24 12	
Sist	LNG	. F1	. IN	. PA.	LNG		FT. 11	V. PA	
3	1	1	0	0	1	-	1 0	6	- 3
3	2	2	0	0	2		2 1	0	13
ŝ	3	3	0	0	3		3 1	6	13
3	4	4	0	õ	4		4 2	0	13
ş	5	5	Ő.	õ	1 5		5 2	ß	13
ş	6	6	0	ő	I B		6 3	0	3
3	7	7	0	0	-		7 8	6	3
ş		8	0	0			8 4	0	15
\$	0	9	0	0	0			B	13
3	10	10	0	ő	0	1	0 5	0	12
3	11	11	0	0	10	l i	1 5	ß	ŝ
3	12	12	0	0	11	1 is	2 6	0	3
3	13	13	0	0	12	1 1	RR	B	13
3	14	14	0	0	13	1 1	1 7	0	18
\$	15	15	0	0	14	1	5 7	B	3
3	10	18	0	0	15	1	2 0	1	12
31	10	17	0	0	10	1		-	15
8	10	18	0	0	17	1 15	0	1	13
2	10	10	0	0	18	10	0	-	12
31	19	20	0	0	19	91	10	1	12
\$	20	21	0	0	20	01	10	7	15
3	21	20	0	0	21	00	10	-	13
3	22	22	0	0	28	0		-	12
\$	23	24	0	0	23	20	11	-	3
31	24	42	0	0	24	40	0	-	3
3	23	20	0	0	25	. 07		-	3
3	26	20	0	0	26	20		-	13
ŝi	27	90	0	0	27	90		1	3
	45	20	0	0	28	. 20	ő	-	12
3	29	20	0	0	59	21	2	1	3
è.	30	21	0	0	30	20	0	-	3
ξl	31	20	0	0	31	22	0	0	3
31	32	20	0	0	32	00	-	6	15
ξl	33	33	0	0	33	20	4	8	3
	34	04	0	0	34	00	0	-	13
31	35	30	0	0	35	20	0	8	3
3	30	20	0	0	36	20	0	0	18
ŝ	37	20	0	0	37	30	7	0	3
\$ !	20	80	0	0	38	30	7	0	13
31	39	39	0	0	39	40	0	0 2	15
ž	40	40	0	0	40	41	0	0	3
\$	41	41	0	0	41	42	0	0	2
	42	42	0	0	42	40	9	0	5
3	43	43	0	0	43	44	10	0	3
	44	44	0	0	44	40	10	0	2
3	GP	GF	0	0	45	40	10	0	3
-	} FT.	FT. 13	4. P.	. s.	‡ FT.	FT. 1	N. PA	. 8.	
5	+	0 3	0	0	+	0	3 1	6	3
3	1	0 6	0	0	- +	0	6 3	0	-
5	1	0 9	. 0	0	4	0	9 4	6	3
2 -									2

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A New Table

1	arres	******	~~~~	***********	43
	FT.	SIDE 13 IN.	ET.	SIDE 134 IN	
2	LNG	FT. IN. FA.	LNG	FT. IN. PA.	
3	1	1 2 1		1 1 2 7	3
3	2	212	2	2 5 3	3
3	3	3 5 3	3	3 7 10	12
3	4	4 8 4	4	4 10 6	
3	5	5 10 5	5	611	13
2	6	7 0 6	6	7 3 9	15
3	7	8 2 7	7	8 6 4	13
2	- 8	9 4 8	8	990	1
3	9	10 6 9	9	10 11 8	i
3	10	11 8 10	10	12 2 3	3
3	19	14 1 0	11	13 4 11	3
3	13	15 3 1	12	15 10 2	3
5	14	16 5 2	13	17 0 0	3
2	15	17 7 3	14	18 3 5	5
ŝ	16	18 9 4	16	19 6 1	2
3	17	19 11 5	17	20 8 8	ŝ
3	18	21 1 6	18	21 11 4	3
3	19	22 3 7	19	23 1 11	ş
3	20	23 5 8	20	24 4 7	\$
3	21	24 7 9	21	25 7 2	3
3	22	25 9 10	22	26 9 10	:
\$	23	26 11 11	23	28 0 5	3
	24	20 4 1	24	20 5 1	\$
	28	30 6 2	20	31 8 4	ŝ
3	27	31 8 3	20	32 11 0	ŝ.
	28	32 10 4	28	34 1 7	ş.
31	29	34 0 5	20	35 4 3	ŝ
3	30	35 2 6	.30	36 6 10	3
3	31	36 4 7	31	37 9 6	\$
ξl	32	37 6 8	32	39 0 2	2
31	33	38 8 9	33	40 2 9	3
ŝI	34	39 10 10	34	41 5 5	ş.
31	35	41 0 11	35	42 8 0	2
٤)	30	42 5 0	36	43 10 8	
\$1	88	44 7 2	37	46 3 11	
1	39	45 9 3	30	47 6 6	
13	40-	46 11 4	40	48 9 2	
	41	48 1 5	41	49 11 10	
	42	49 3 6	42	51 2 5	
	43	50 5 7	43	52 5 1	
	44	51 7 8	44	53 7 8	
	45	52 9 9	45	54 10 4	
- 24	FT.	FT. IN PA. S.	1 FT. F	T. IN. PASS.	
1	+	0 3 6 3	1	0 3 7 9	
	1	0 7 0 6		0 7 3 6	
	2	0 0 6 9	4	0 10 11 3	

ę		*****	*****	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
3	1	10		In and a l
Z	i mm	SIDE 131 IN.		SIDE 139 IN.
ş	PT.	*********	FF.	
3	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.
ş	1	1 3 2	1	1 3 9
ş	2	2 6 4	2	276
ş	3	3 9 6	3	3 11 3
3	4	5 0 9	4	5 8 0 1
ş	6	6 3 11	6	6 6 0
ş	0	7 7 1	0	7 10 8
3	0	0 10 9	0	0 0 0
ş	1 7	8 10 0	7	923
ş	8	10 1 0	8	10 8 0
ş	9	11 4 5	9	11 9 9
3	10	12 7 10	10	13 1 6
3	-11	13 11 0	11	14 5 3
ž	12	15 2 3	12	15 9 0
ş	13	16 5 5	13	17 0 9
ş	14	17 8 7	14	18 4 6
3	1.5	18 11 9	15	19 8 3
ŝ.	16	20 3 0	10	21 0 1
ş.	17	21 6 2	10	22 3 10
ş	110	22 0 4	16	23 7 7
ş	10	24 0 8	18	24 11 5
ŝ	18	24 0 0	19	64 11 4
ŝ.	20	25 3 0	20	20 3 1
ş.	21	26 6 11	21	27 6 10
ŝ	1 22	27 10 1	22	28 10 7
ş	, 23	29 1 3	23	30 2 4
ξ.	24	30 4 6	24	31 6 1
į.	25	31 7 8	25	32 9 10
ξ.	28	32 10 10	26	34 1 7 1
2	27	34 2 0	27	35 5 4
Ş.	28	35 5 3	28	36 9 1
ş.	20	36 8 5	20	36 0 10
3	30	37 11 7	20	30 4 7
ş.	91	30 2 0	30	40 9 4
ş.,	80	40 8 0	31	42 0 0
2	00	40 0 0	32	40 0 2
	33	41 9 2	33	45 5 11
ξ.	34	45 0 4	34	44 7 8
ξ.	35	44 3 6	35	45 11 5
ŝ.	36	45 6 9	36	47 3 2
ŝ.	37	46 9 11	37	48 6 11
ş	38	48	38	40 10 8
	39	49 4 3	39	51 2 5
	40	50 7 6	40	52 6 2
	41	51 10 8	41	53 9 11
	42	53   10	42	55 1 8 1
	43	54 5 0	43	56 5 5
	44	55 8 3	44	57 9 2
	4.5	56 11 5	45	59 0 11
	-mar	Margaret Margaret	GT	00 0 11
	1		1	
	ξ FT.	P1. IN. PA. 8.	3 FT.	FT. IN. PA. 8.
ŝ	4	0 3 9 6	1	0 8 11 2 8
ş.	1	0 7 7 0	4	0 7 10 0
3	23		2	0 11 0 0
3	- 3			011 8 9 1

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A New Table

4	1555-	1.221	- 20								- 5
3		. e.,		14	IN		SI	DR	14	I IN	13
3	in	31	DE	17	1.0.	PT	1000				33
ŝ	PL				DA	TYO.		RT.	IN.	PA.	12
ş	LNG.	-		IN.	ra.	LNO.	-				1 à
3	1		1	4	4	1		1	4	11	3
3	2		2	8	8	1 2		z	9	10	15
ŝ	3		4	1	0	3		4	2	9	3
ż	4		5	5	4	4		5	7	8	1.5
ş	5	1	6	9	8	5		7	0	7	13
\$	B		8	2	0	6		8	5	6	15
3	7		0	6	4	7		9	10	5	3
3			0 1	0	0		1	1	8	4	3
3	0		3 1	2	0	0	1	2	8	3	12
\$	9		2	2	0	8	1	4	ĩ	0	12
3	10		5	1	4	10		7	0	~	5
3	11	1	4, 1	1	8	11		0	0	1	3
3	12	1	6	4	0	12		0 1	1	0	3
5	13	1	7	8	4	13		8	3	11	ž
3	14	1	9	0	8	14		9	8	10	8
2	1.5	2	0	5	0	15	2	1	1	9	ž
ŝ	16	2	1	9	4	16	2	2	6	9	3
\$	17	2	3	1	8	17	2	3 1	1	8	3
3	10	2	L	R	0	10	2	5	4	7	3
ş	10	õ	5 1	ň	4	10	2	6	9	6	5
	19	0	~ 1	0	0	19	1	8	2	5	2
ż	20	2	1	2	0	20	0	õ	7	4	3
÷.	21	2	8	7	0	21	4	0	-	*	3
3	22	2	9 1	1	4	55	0	4	0	3	3
3	23	3	1	3	8	23	- 0	2 .	0	2	2
3	24	3	2	8	0	24	3	3 1	0	1	2
٤	25	3	4	0	4	25	3	5	3	0	5
2	26	3	5	4	8	26	3	6	7	11	2
3	27	3	8	9	0	27	3	8	0	10	5
3	28	3	8	ī .	4	28	3	9	5	9	\$
3	20	3	0	5	8	29	4	0 1	0	8	3
3	20	4	0 1	0	0	20	4	2	3	7	3
2	21	3	0 1	2	4	21	4	8	8	6	3
\$	31	4	0	õ	3	90	4	5	ĭ	8	5
3	32	4	o .	0	0	00		a	ò	5	3
3	33	4	4_1	1	0	33		~ 1	0	4	3
3	34	4	0	3	2	34	1		-	2	2
3	35	4	7	7	8	35	4	9	4	0	2
3	36	4	9	0	0	36	5	0	H	2	3
3	37	5	0	4	Rf.	37	5	2	8	1	2
3	38	5	1	8	8	38	5	3	7	0	
3	39	5	3	1	0	39	5	4 1	1	11	2
3	40	5	4	5	4	40	5	6	4	10	2
3	41	5	5	9	8	41	5	7	9	9	3
ž	42	5	7	2	0	42	5	9	2	8	13
2	43	5	8	6	4	43	6	0	7	7	12
3	44	5	0 1	õ	8	44	6	2	0	6	3
3	12	0	1	2	0	45	6	3	5	5	3
3	40	0	1	0		10	000				3
	1 100	are so			- new	1	-	-	-		2
3	\$ FT.	FT.	IN	P.	. S.	I FT.	ter.	IN.	PA.	. 5.	3
3		0	4	1	0		0	4	2	9	
2	4	0	0	0	0	1	0	8	5	6	5
2	2	0	0	0	0	23	1	0	0	3	
5	4		0	3	0	1 4	1.0	0	0	0	12

4		*****		
3	1	Sinn Lill In		SIDE 143 TH
3	PT.	SIDE 142 IN.	FT.	SIDE 147 18. 5
3	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.
3		1 5 6	-	1 6 1 3
2	2	211 0	2	303
ş	3	4 4 6	3	4 6 4 3
3	4	5 10 1	4	6 0 6 3
3	5	7 3 7	5	7 6 7 3
3	6	891	6	909
2	7	10 2 7	7	10 6 10 2
3	8	11 8 2	8	12 1 0 3
3	9	13 1 8	9	13 7 2 3
\$	10	14 7 2	10	15 1 3 3
2	11	16 0 8	11	16 7 5
3	12	17 6 3	12	18 1 6
3	13	18 11 9	13	19 7 8 3
3	14	20 5 3	14	21 1 9 }
3	15	21 10 9	15	22 7 11 5
3	16	23 4 4	16	24. 2 1
3	17	24 9 10	17	25 8 2 3
3	18	26 3 4	18	27 2 4 ;
3	19	27 8 10	19	28 8 5 3
3	20	29 2 5	20	30 2 7 3
\$	21	30 7 11	21	31 8 8 5
3	22	32 1 5	22	33 2 10 3
3	23	33 6 11	23	34 8 11 5
3	24	35 0 6	24	36 3 1 3
3	25	36 6 0	25	37 9 3 5
\$	26	37 11 6	26	39 3 4
3	27	39 5 0	27	40 9 6 3
3	28	40 10 7	28	42 3 7 3
3	29	42 4 1	29	43 9 9 3
ş	30	45 8 7	30	45 3 10 5
3	51	40 8 0	31	10 10 0 3
3	32	10 8 8	32	48 4 2 5
3	33	10 7 9	33	40 10 5 3
3	24	51 1 9	34	59 10 0 3
3	20	59 B 0	30	64 4 9 2
3	27	54 0 3	30	55 10 0 3
3	29	55 5 0	20	57 4 11 3
3	30	56 11 3	20	58 11 0
3	40	58 4 10	38	80 5 9 5
ş	41	50 10 4	40	61 11 4
3	42	61 3 10	42	83 5 5 2
1	43	62 9 4	13	64 11 7
5	44	64 2 11	44	66 5 8 3
2	45	65 8 5	45	67 11 10
3		mannen	+++++	*************
an air	\$ FT.	FT. IN. PA. 8	₫ FT.	FT. IN. PA. S.
non	*	0 4 4 6	4	0 4 6 3
5	1 2	0 8 9 0	20	0 0 0 8 8
3	- 4	1 1 1 6	1 1	1 6 9 13

50 A New Table

4	þ				4
1		SIDE 15 IN.	1	SIDE 154 TN	
	FT	· · · · · · · · · · · · · · · · · · ·	FT.	mmmmm	
	LNO	9. FT. IN. PA.	LNO.	FT. IN PA.	
		1 6 9	1	174	
	1 2	3 1 6	2	3 2 0	l
	; 3	4 8 3	3	4 10 1	3
	4	6 3 0	4	656	13
	5	7 0 9	5	8 0 10	3
	6	946	6	983	3
ş	17	10 11 3	7	11 3 7	
3	8	12 6 0	8	12 11 0	3
- 5	9	14 0 9	9	14 6 5	ş
ŝ	10	15 7 6	10	10 1 9	ŝ
ŝ	111	17 2 3	11	10 4 0	ş
ł	1 12	20 2 0	12	20 11 11	ş
ŝ	13	21 10 8	13	22 7 2	ş.
20	15	23 5 3	14	24 2 8	5
ŝ	18	25 0 0	10	25 10 1	ŝ.
ŝ	17	26 6 0	17	27 5 5	٤.
ŝ	18	28 1 6	18	29 0 10	ŝ.
3	19	29 8 3	19	30 8 2	ş.
ş.	20	31 3 0	20	32 3 7	٤.
ş	21	32 9 9	21	33 10 11	2
3	22	34 4 6	22	35 6 4	Į.
3	23	35 11 3	23	37 1 8	5
3	24	37 6 0	24	38 9 1	
3	25	3) 0 9	25	40 4 6	
\$	26	40 7 6	26	41 11 10	
3	27	42 2 3	27	43 7 8	
\$	25	43 0 0	28	40 2 7	
ŝ	29	40 3 9	29	10 10 0	
3	31	44 6 9	30	50 0 0	
3	3.)	50 0 0	20	51 9 2 3	
\$1	33	51 8 9	22	53 3 6	
31	34	53 1 6	31	54 10 11 3	
3	35	54 8 3	3.5	56 6 3	
31	36	58 3 0	38	58   8 2	
3	37	57 9 9	37	59 0 0 1	
31	38	50 4 6	38	61 4 5 2	
ξł	39	60 11 3	39	62 11 9 3	
31	40	62 6 0	40	64 7 2 3	
31	41	04 0 9	41	00 2 7 5	
ž	42	05 7 8	42	01 9 11 13	
ŝ	43	01 2 3	43	00 5 4 3	
5	14	70 3 0	44	72 8 1	
5	10	10 3 9	GP OF	10 0 1 5	
	FT.	FT. IN PA. S.	FT. F	T. IN. PA. 8.	
3	+	0 4 8 3	11	4 10 0	
21	*	0 9 4 6	110	9 8 0 3	
	Ame	1209	4 1	2 6 0 3	
-	~ .			in and the second	

*	****	**********		******	-
-		Sum Let To		10	\$
ş	PT	SIDE 15% IN.	FT	SIDE 153 IN.	3
\$	1.20	THE IN DA	PT.	second and a second	3
3	LNG.	PT. IN. PA.	LNG.	FT. IN. PA.	2
3	1	180	1	188	3
3	2	3 4 0	2	3 5 4	3
\$	3	500	3	520	3
3	4	681	4	6 10 8	2
3	5	841	5	871	3
3	6	10 0 I	6	10 4 0	ż
3	7	11 8 1	7	12 0 6	ź
\$	6	13 4 9		12 0 4	ş
\$	0	16 0 9	0	10 0 4	3
3	8	10 0 0	9	15 0 0	3
ξ.	10	10 8 2	10	17 2 8	ş
٤	11	10 4 2	11	18 11 4	٤.
3	15	29 0 3	15	20 8 0	3
3	13	21 8 3	13	22 4 8	3
3	14	23 4 3	14	24 1 4	3
ŝ	15	25 0 3	15	25 10 0	ŝ
٤.	16	26 8 4	16	27 6 9	ź.
3	17	28 4 4	17	29 3 5	\$
3	18	30 0 4	18	31 0 1	3
ş	19	31 8 4	19	32 8 9	3
ŝ.	20	38 4 5	20	34 5 5	3
ξ.	21	35 0 5	21	36 2 1	ş.
3	00	36 8 5	99	27 10 0	5
3	00	28 4 5	00	20 7 6	ŝ.
٤	23	40 0 0	20	50 1 5	ş.
\$	24	40 0 0	24	41 4 1	ş.
3	25	41 8 0	25	43 0 9	ŝ.
ŝ	26	43 4 6	26	44 9 5	٤
2	27	45 0 6	27	46 6 1	ξ.
	28	46 8 7	28	48 2 9	3
	29	48 4 7	29	49 11 5	ş.
ξ	30	50 0 7	30	51 8 1	ž
ş.	31	51 8 7	31	53 4 9	٤
\$	32	53 4 8	32	55 1 6	3
	33	55 0 8	33	56 10 2	ξ.
ž	34	56 8 8	34	58 6 10	ŝ.
	35	58 4 8	35	60 3 6	ŝ
	36	60 0 9	36	62 0 2	ŝ
3	37	61 8 9	37	83 8 10	3
	20	63 4 0	28	85 5 B	ş.
	20	63 0 0	20	87 9 9	3
	40	BB 8 10	40	89 10 10	2
	40	88 4 10	40	08 10 10	ŝ
	11	70 0 10	41	10 1 6	3
2	42	70 0 10	42	76 4 2	ŝ
3	43	1 8 10	43	74 0 10	3
3	44	73 4 11	44	75 9 6	ŝ
5	45	75 0 11	40-	77 6 2	3
3		1211222121212121	ser.	*****	3
1	FT.	FT. IN. PA. S.	FF.	FT. IN. PA. S.	3
5			-		3
5		0 5 0 0	+	0 5 2 0	3
3	2	0 10 0 0	1	0 10 4 0	ŝ
2	1 4	1 3 0 0	14	1 3 6 0	3
A.,				Concession of the local division of the loca	2

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A New Table

0	58550	5-055555	******	\$11.551	55555-5	\$\$5.5-5	****	1
ana.	PT	SIDE	16 In.	PT	SIDE	16	IN	
2	LNG	FT. 1	N. PA.	LNG	. FT	. 1N	PA.	13
3	1	1	9 4 .	1	1	10	0	13
2	2	3	6 8	2	3	8	0	3
ŝ	3	-5	4 0	3	5	6	0	3
3	4	7	14	4	7	4	0	3
\$	5	81	0 8	1 5	9	2	0	13
i	6	10	5 0	6	11	10	0	3
3	1	16	9 9	1 7	14	10	0	3
3	0	19	0 0	8	16	R	0	2
ŝ	10	17		10	18	4	0	2
ŝ	11	19	6 8	1 11	20	2	0	3
3	12	21	4 0	1 12	22	0	0	3
3	13	23	1 4	13	23	10	0	3
ž	14	24 10	) 8	14	25	8	0	3
3	15	26 8	8 0	15	27	6	0	3
3	16	28 3	5 4	16	29	4	1	3
3	17	30 \$	8 5	17	31	2	1	3
3	18	32 0	0 0	18	24	0	1	3
3	19	33 5	4	19	28	0	1	3
5	20	33 (	8	20	38	8	1	\$
3	00	20 1	4	21	40	4	i	3
3	23	40 10	8	29	42	2	i	3
3	24	42 8	0	24	44	0	i	3
3	2.5	44 5	4	2.5	45	10	1	3
\$	26	46 2	8	26	47	8	1	2
3	27	48 0	0	27	49	6	1	ş
\$!	28	49 9	4	28	51	4	1	3
3	59	51 6	8	29	53	2	1	2
3	30	53 4	0	30	00	10	1	2
3	31	50 10	4	31	58	8	2	3
	32	50 10	õ	32	60	6	õ	3
3	34	60 5	4	24	62	4	2	3
	35	62 2	8	35	64	2	2	3
2	36	64 0	0	36	66	0	2	2
	37	65 9	4	37	67	10	2	3
31	38	67 6	8	38	69	8	2	ż
	39	69 4	0	39	71	6	2	2
	40	71 1	4	40	73	4	2	3
3	41	72 10	8	41	75	2	2	ŝ
3	42	74 8	0	42	70	10	0	3
3	43	70 3	4	43	80	8	2	200
3	44	. 60 0	0	44	82	6	2	5
5	N 1.1=	NISIEN	mm	man			1500	ŝ
and I	} FT.	FT. IN	PA. 8.	1 FT.	FT. IN.	PA.	s.	
2	1	0 5	4 0	1	0 5	6	0	2
ş	2	0 10	8 0	12	0 11	0	U	
٤.	*	1 4	0 0	4	1 4	6	0	5

1	1000	****		******	1
		Sunn 101 In	11	Sinn 101 1.	13
	PT.	SIDE TOT IN	ET.	SIDE 103 IN.	2
3	LNG	FT. IN. PA.	LNG	FT. IN. PA.	3
3		1 10 8	-	1 11 1	13
1		2 0 4	1.1	2 10 0	12
	2	3 0 4	2	3 10 9	12
3	3	2 0 0	3	5 10 1	12
3	4	1 0 9	4	7 9 6	3
3	5	000	5	9 8 10	13
3	6	11 4 1	6	11 8 3	13
3	7	15 4 9	1 7	13 7 7	15
-	8	10 1 0	8	15 7 0	13
3	9	1 10 10 10	9	17 8 5	13
3	10	18 10 10	10	19 5 9	3
3	111	20 9 0	11	21 5 2	3
3	12	00 8 3	1 12	23 4 6	3
3	13	24 0 11	13	25 3 11	3
3	14	26 5 7	14	27 3 3	3
3	15	28 4 3	15	29 2 8	ş.
2	16	30 3 0	16	31 2 1	3
3	17	36 1 8	17	33 1 5	3
3	18	34 0 4	18	35 0 10	3
3	19	35 11 0	19	37 0 2	3
3	20	37 9 9	20	35 11 7	3
3	21	39 8 5	21	40 10 11	ż
ŝ	22	41 7 1	22	42 10 4	3
3	23	43 5 9	23	44 9 8	3
3	24	45 4 6	24	46 9 1	3
3	25	47 3.2	25	48 8 6	3
3	26	49 1 10	26	50 7 10	3
ŝ	27	51 0 6	27	52 7 3	3
3	28	52 11 3	28	54 6 7	3
3	29	54 9 11	29	36 6 0	3
ŝ	30	56 8 7	30	58 5 4	3
ž	31	58 7 3	31	00 4 9	3
3	32	60 8 0	32	62 4 2	3
3	33	03 4 8	33	01 3 6	٤
ž	34	64 3 4	34	66 2 11	ş.
5	35	06 2 0	35	08 2 3	ŝ.
3	36	68 0 9	36	70 1 8	ş
3	37	09 11 5	37	72 1 0	ų -
	38	71 10 1	38	74 0 5	3
3	39	73 8 9	39	75 11 9	٤
	40	75 7 6	40	77 11 2 1	3
	41	77 6 2	41	19 10 7	ξ.
ŝ	43	79 4 10	42	81 9 11	ŝ
ŝ	43	81 3 6	43	83 9 4	2
	44	83 2 3	44	85 8 8	\$
	45	85 0 11	45	87 8 1	2
		********	1110.		5
5	A FT.	FT. IN. PA. S.	\$ PT.	FT. IN. PA. S.	3
	-7-	0 0 0	-	0 1 10 0	3
	4	0 3 8 0	主	0 5 10 0	ş
5	2	1 5 0 0	2	0 11 8 0	2
3	- 2	1 3 0 0	1 4 1	1 5 8 0	3

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A New Table

- 9	m	******	~~~~	***********	~6
~	1	Sing 17 Tr	1	SIDE 171 TH	13
ş	FT.		FT.	in mannen.	18
ş	LNG	FT, IN. PA.	LNG.	FT. IN. PA.	13
ŝ	1	201	1	2 0 9	13
- 5	2	4 0 2	2	417	13
ş	3	6 0 3	3	6 2 4	15
ŝ	4	804	4	832	15
ł	5	10 0 5	5	10 3 1 1	13
ŝ	6	12 0. 0	6	12 4 9	3
ş	1 7	14 0 1	7	14 5 6	13
5	8	18 0 0	8	10 0 4	18
	110	20 0 10	0	20 7 11	12
3	11	22 0 11	11	22 8 0	3
ş	12	24 1 0	12	24 9 6	3
ž	13	28 1 1	(3	26 10 4	13
ŝ.	14	28 1 2	14	28 11 1	18
3	15	30 1 3	15	30 11 11	12
2	16	. 32   4	16	33 0 9	3
;	17	34 1 5	17	35 1 6	3
	18	36 1 6	18	37 2 4	3
1	19	38 7	19	39 8 1	3
	20	40 1 8	20	41 3 11	3
	21	44 1 10	21	0 3 34	3
1	22	48 1 11	22	17 6 2	5
1	2.1	48 2 0	21	49 7 1	ş.
1	25	50 2 1	25	51-711	ş.
31	26	52 2 2	26	53 8 8	ş
3	27	54 2 3	27	55 9 6 1	ş.
31	28	56 2 4	28	57 10 3	3
21	29	58 2 5	29	59 11 1	§.
3	30	60 2 6	30	61 11 10	ξ.
3	31	62 2 7	31	64 0 8	Ł
ŝ	32	04 2 8	32	08 1 0	\$ .
3	33	68 9 10	33	70 2 1	Ş
31	24	70 0 11	24	72 2 10	
ξ.	38	72 3 0	30	74 4 8	ì
	37	74 3 1	37	76 5 5	§
	38	76 8 2	38	78 6 3	ş.
31	39	78 3 3	39	80 7 0	ξ.
3	40	80 3 4	40	82 7 10	Ł
\$1	41	82 3 5	41 }	84 8 8	3
1	42	84 3 6	42	86 9 5	ş
	43	86 3 7	43	88 10 3	2
	44	00 2 0	44	02 11 10	3
£	40	~~~~~~~~~~~~	GP	02 11 10	3
144	FT.	FT. IN. PA. 8	FT.	FT. IN. PA. 8.	-
	*	0 6 0 3	+	0 6 2 3	
	12	1006	01	1046	
	21	16091	\$ 1	106 6 9 1	

-6		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~~~~	****	- 4
3	1	Constant Int		IC 182 T	13
3	1	SIDE 172 IN.	100	SIDE 174 IN.	3
- 2	PT.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	PT.		13
3	GNG.	FT. IN. PA.	LXG.	FT. IN. PA.	13
3	1	216	1 1	2 2 3	3
- 2	2	4 3 0	2	4 4 6	3
ŝ	3	6 4 6	3	6 6 9	12
ŝ	4	8 6 1	4	8 9 0	5
3		1 10 7 7		10 11 3	18
3	0	12 0 1	9	18 1 6	3
3	0	14 10 7	0	15 2 0	3
3	17	14 10 1	1	10 5 9	3
ş	8	111 0 2	8	14 8 0	3
ş	9	19 1 8	9	19 8 8	3
ŝ	10	21 3 2	10	21 10 8	3
3	11	23 4 8	11	24 0 9	3
ž	12	25 6 3	12	26 3 0	2
ž	18	27 7 9	13	28 5 3	2
ş	14	29 9 3	14	30 7 6	ż
3	1.5	31 10 9	1.5	32 9 9	\$
3	18	34 0 4	16	35 0 1	3
ş	17	36 1 10	17	37 2 4	3
3	10	38 3 4	10	39 4 7	3
ş	10	40 4 10	10	41 6 10	8
ŝ	10	42 8 5	18	43 0 1	3
ş	20	41 7 11	20	45 11 .	3
3	21	40 0 1	21	40 11 4	3
1	22	40 9 5	22	18 1 7	\$
5	23	48 10 11	23	50 3 10	3
3	24	51 0 6	24	52 6 1	3
3	25	53 2 0	25	54 8 4	ž
3	26	55 3 6	26	56 10 7	ş
ŝ	27	57 5 0	27	59 0 10	3
3	28	59 6 7	28	61 3 1	3
3	29	61 8 1	29	63 5 4	ş
3	30	63 9 7	30	65 7 7	2
ş	31	65 11 1	31	67 9 10	ş
ş	32	68 0 8	32	70 0 2	3
\$	38	70 2 2	33	72 9 5	3
3	3.1	72 3 8	24	74 3 0	ŝ
3	3.5	74 5 2	25	76 8 11	3
3	86	76 6 9	20	78 0 9	3
3	37	78 8 3	27	80 11 8	ž
3	20	80 0 0	21	- 62 1 0	5
-	20	82 11 2	35	65 0 18	3
\$	39	85 0.10	39	67 0 1	3
3	40	67 0 10	40	67 6 2	3
3	41	60 2 4	41	8 8 5	3
3	42	89 3 10	42	91 10 8	3
2	43	81 5 4	43 -	94 0 11	3
2	44	83 8 11	44	96 3 2	3
3	45	95 8 5	45	98 5 5	3
3		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	00000	PR *************	2
3	1 PT.	FT. IN. PA. S.	& FT.	FT. IN. PA. S.	2
3					3
5	4	0 6 4 6	4	0 6 6 9	3
3	2	1090	1	1 1 1 6	3
3	*	1716	41	1783	5
de.				the second secon	2

A New Table

ş		\$1-150.		· ····	** ***		~~	15115	-4
i		SIDE	19	Tw	1	SIDE	10	ITN	13
5	FT.	SIDE	10	1.0.	FT.	MANN	10	5 1.4.	3
3	LNG.	FT.	IN.	PA.	LNG.	FT	. 15	. PA.	2
3	-	z	3	0	1	2	3	9	
3	2	4	6	0	2	4	7	6	3
5	3	6	9	0	3	6	11	3	3
ŝ	4	9	0	0	4	9	3	0	
1	5	11	3	0	5	II	6	9	5
3	6	13	6	0	6	13	10	6	
F	7	15	9	0	7	16	2	3	12
5	8	18	0	0	8	18	6	0	3
\$	9	20	3	0	9	20	9	9	3
3	10	22	6	0	10	23	l	6	3
3	11	24	9	0	11	25	5	3	
3	12	27	0	0	12	27	9	0	3
3	13	29	3	0	13	30	0	9	3
3	14	31	6	0	14	32	4	6	
3	15	33	9	0	15	34	8	3	2
3	16	36	0	0	16	37	0	1	3
ż	17	38	3	0	17	39	3	10	22
3	18	40	6	0	18	41	7	7	ì
	19	42	9	0	19	43	н	4	3
3	20	45	0	0	20	46	3	1	3
3	21	47	3	0	21	48	6	10	3
3	22	49	6	0	22	50	10	7	3
2	23	51	9	0	23	53	2	4	3
3	24	54	0	0	24	55	6	1	3
3	25	56	3	0	25	57	9	10	ŝ
3	26	58	6	0	26	00	4	1	3
2	27	60	9	0	27	04	5	4	3
2	28	03	2	0	28	04	9	10	3
2	29	65	3	0	29	01	0	10	3
	30	67	0	0	30	09	*	-	
2	31	69	9	0	31	7.4	0	9	3
3	32	12	0	0	36	78	3	11	3
3	33	74	0	0	33	78	7	8	3
3	34	70	0	0	25	80	ú.	5	3
3	30	10	0	0	20	83	3	2	
1	30	62	2	0	27	85	6	11	3
10	31	65	B	0	38	87	10	8	
3	20	87	0	0	30	90	2	5	3
3	40	00	0	0	40	.92	6	2	3
2	41	02	3	0	41	94	.9	11	2
2	42	04	6	0	42	97	Ĩ.	8	3
3	13	06	0	0	43	99	5	5	
1	44	99	õ	0	44	101	9	2	3
3	45	101	3	0	45	104	0	11	12
3	1 00	more	~~~	m	sire.	151100		****	3
	4 FT.	FT. IN	. P/	A. S.	‡ FT.	FT. D	N. F	A. S.	eres.
5	4	0 6	9	0	+	0 .6	11	3	3
2	1	1 1	6	0	1	1 1	10	) 6	2
See.	-	1 8	3	0	mitt	1 8	1	9	1000

	~~~~		~ ~~		ф
		Sime IST Te		Sine 193 Tu	ž
3	FT.	SIDE TOT IN.	PT.	SIDE 101 IN.	ş
3	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.	ŝ
3	-	2 4 6		2 5 3	ŝ
3	2	4 9 0	2	4 10 7	ş
ž	3	7 1 6	3	7 3 10	ş
3	4	9 6 1	4	9 9 2	ş
2	5	11 10 7	5	12 2 5	ś
3	6	14 3 1	6	14 7 9	ş
3	7	16 7 7	7	17 1 0	ż
3	8	19 0 2	8	19 6 4	ş
3	9	21 4 8	9	21 11 8	ŝ
20	10	23 9 2	10	24 4 11	ş
3	11	28 1 8	11	26 10 3	ş
2	12	28 6 3	12	29 3 6	ş
3	13	30 10 9	13	31 8 10	ŝ
3	14	33 3 3	14	34 2 1	ŝ
3	15	35 7 9	1.5	36 7 5	ź
3	16	38 0 4	16	39 0 9	ş
\$	17	40 4 10	17	41 6 0	ş
3	18	42 9 4	18	43 11 4	\$
-	19	45 1 10	19	46 4 7	ş
3	20	47 6 5	20	48 9 11	ŝ
à	21	49 10 11	21	51 3 2	ż
3.	22	56 8 5	22	53 8 6	ş
ž	23	54 7 11	23	56 1 9	ş
3	24	57 0 6	24	58 7 1	ŝ
3	25	39 5 0	25	61 0 5	ŝ
3	20	01 9 0	26	03 3 8	ŝ
3	27	04 2 0	27	05 11 0	ş
2	28	69 11 1	28	00 4 3	ş
3	29	05 11 1	29	70 9 7	ş
3	30	72 0 1	30	75 8 0	ž
3	00	78 0 8	31	10 0 2	ŝ
3	22	78 5 9	30	0 0 0	ş
3	24	60 0 8	30	83 0 1	ş
3	35	83 2 2	95	85 5 4	ş
3	38	85 6 9	36	87 10 8	
2	37	87 11 3	37	90 3 11	ž
5	38	90 3 9	38	92 9 3	ŝ.
	39	92 8 3	30	95 2 6	
2	40	95 0 10	40	97 7 10	ŝ
3	41	97 5 4	41	100 1 2	٤
1	42	90 9 10	42	102 6 5	ş
5	43	102 - 2 4	43	104 11 9	3
3	44	104 6 11	44	107 5 0	ş
3	45	106 11 5	45	109 10 4	2
3		******	sens.	*******	ş
3	4 FT	FT. IN. PA. S.	1 FT.	FT. IN. PA. S.	ş
3		0 7 1 0			3
2	1	1 9 2 0	1	1 3 9	ì
3	12	1 0 1 0	2	1 0 11 9	5
3	1 2	1 8 4 8	1 4	1 9 11 3	5

57

F

58

A New Table

-4	freezes	5.251515112555555	*****	*****	-
- anne	PT.	SIDE 19 IN.	I PT.	SIDE 194 IN.	
200	LNG.	FT. IN. PA	LNG.	FT. IN. PA.	
3	1	2 6 1	-	2 8 10	
3	2	5 11 9	2	5 1 0	
3	g	7 8 3	3	7 8 7	
ŝ	4	10 0 4	1	10 3 0	
3	1 6	12 0 5	1	19 10 4	
ż	B	15 0 0	a	16 6 2	3
ŝ	7	17 0 7	0	10 0 0	3
3		20 0 0	7	15 0 1	ŝ
3	0	22 0 0 8	8	20 1 0	3
\$	10	00 0 9	9	111 65	3
3	10	25 0 10	10	20 8 9	ş
ŝ	111	27 0 11	11	28 3 8	ş
ŝ	14	30 1 0	12	30 10 0	
3	13	32 7 1	13	33 3 3	3
3	14	35 1 2	14	30 0 3	ŝ
ŝ	15	37 7 8	15	38 7 2	ŝ
\$	16	40 1 4	16	41 2 1	3
3	17	42 7 5	17	43 8 11 1	
2	18	45 1 0	18	40 3 10	
3	19	47 7 7	19	48 10 8	
3	20.	50 1 8	20	51 5 7	
\$	21	52 7 9	21	54 0 5	
3	22	55 1 10	22	56 7 4	ŝ
3	23	57 7 11	23	59 2 2	ĩ
ŝ.	24	60 2 0	24	61 9 1	
	25	62 8 1	25	64 4 0	ŝ
3	26	65 2 2	26	68 10 10	ş
\$	27	67 8 3	27	69 5 9	٤
\$	28	70 2 4	28	72 0 7	
3	29	72 8 5	29	74 7 6	
3	30	75 2 6	30	77 2 4	
3	31	77 8 7	31	79 9 3	
3	32	80 2 8	32	82 4 2	
ş	33	82 8 9	33	84 11 0	
3	34	85 2 10	34	87 5 11	
ŝ	35	87 8 11	35	90 0 9	ŝ
3	36	90 3 0	36	92 7 8	ş
3	37	92 9 1	37	95 2 6	ŝ.
3	38	95 3 2	38	97 9 5	2
3	39	97 9 3	39	100 4 3	2
ŝ	40	100 3 4	40	105 11 8	٤
\$	41	102 9 5	41	105 6 1	ş.
3	42	105 3 6	42	108 0 11	ŝ
2	43	107 9 7	43	110 7 10	ş
3	44	110 3 8	44	113 2 8	ζ,
2	45	112 9 9	45	115 9 7	ŝ
3	een.	**********	12.11.	*********	
	\$ FT.	FT. IN PA. 8.	₹ FT.	FT. IN. PA. 8.	
3	+	0 7 6 3	+	0786	
3	素	1 3 0 6	1/2	1 3 5 0	
3	+	1 10 6 9	4	1 11 1 6	ŝ
2	-				8

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	4	inne	*****	******	************	-1
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	1	10		1	13
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		-	SIDE 192 IN.		SIDE 194 IN.	3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	3	FT.	******	FT.	***********	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	LNG.	FT. IN. PA.	LNG.	FT. 1N. PA.	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	1	278	1	286	18
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ž	2	5 3 4	2	5 5 0	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	ş	3	7 11 0	3	8 1 6	13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	- 2	4	10 6 0	4	10 10 0	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	6	12 9 5	6	12 0 0	ž
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ż	0	15 10 1	0	10 0 0	2
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	0	10 0 1	0	10 5 0	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	1 7	18 5 9	1	18 11 0	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	8	21 1 0	8	21 8 0	12
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	\$	9	23 9 2	9	24 4 6	\$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	10	26 4 10	10	27 1 0	3
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3	11	29 0 6	11	29 9 6	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2	12	31 8 3	12	32 6 0	ş
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	13	34 3 11	13	35 2 6	2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	14	36 11 7	14	37 11 0	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	15	39 7 3	15	40 7 6	3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	3	16	42 3 0	16	43 4 1	3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	20	17	44 10 8	17	46 0 7	2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	18	47 6 4	18	48 0 1	2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	10	50 2 0	10	51 5 7	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	20	52 0 0	90	54 9 1	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	21	5 5 5 5	20	60 10 7	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	13	00 0 0 0	21	30 10 7	3
$ \begin{array}{c} c_{3} & c_{3} & c_{1} & c_{3} & c_{1} & c_{3} & c_{1} & c_{3} & c_{1} \\ s_{4} & c_{1} & c_{1} & c_{1} & c_{2} & c_{2} & c_{3} & c_{1} & c_{3} & c_{1} \\ s_{4} & c_{1} & c_{1} & c_{1} & c_{2} & c_{2} & c_{1} & c_{1} & c_{3} & c_{1} \\ s_{4} & c_{1} & c_{1} & c_{1} & c_{2} & c_{1} & c_{1} & c_{1} & c_{1} \\ s_{4} & c_{1} $		22	08 1 1	22	00 7 1	ŝ
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	23	00 8 9	23	02 3 7	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	24	03 4 6	24	65 0 1	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	25	66 0 2	25	67 8 7	ž
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	26	68 7 10	26	70 5 1	5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	27	71 3 6	27	73 1 7	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	28	73 11 3	28	75 10 1	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	29	76 6 11	29	78 6 7	ž
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	30	79 2 7	30	81 3 1	5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	31	81 10 3	31	83 11 7	ş.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	32	84 6 0	32	86 8 2	2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5	33	87 1 8	33	89 4 8	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2	34	80 0 4	24	02 1 9	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	25	02 5 0	20	04 0 0	2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	20	05 0 0	20	07 8 8	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	30	07 0 5	30	100 0 2	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	37	100 1 5	37	100 2 8	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	38	100 4 1	38	102 11 2	ş
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	39	102 11 9	39	105 7 8	ź
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	40	105 7 6	40	108 4 2	ž
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	\$	41	108 3 2	41	111 0 8	ŝ.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2	42	110 10 10	42	113 9 2	\$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5	43	113 6 6	43	116 5 8	Ş.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	44	116 2 3	44	119 2 2	3
4 FF. 1N. P.A. 8. 4 FF. 1N. P.A. 8. 4 FF. 1N. P.A. 8. 4 FT. 1N. P.A. 8. 4 FT. 1N. P.A. 8. 4 FT. 1N. P.A. 8. 4 5 7 7 10 4 0 8 1 6 1 4 3 0 1 1 9 1 11 9 0 3 2 0 4 6 1 4 3 0 2 0 4 6 1 4 3 0 2 0 4 6 1 4 3 0 2 0 4 6 1 4 3 0 2 0 4 6 1 4 3 0 2 0 4 6 1 4 3 0 2 4 6 1 4 3 0 2 4 6 1 4 3 0 2 4 6 1 4 3 <th< td=""><td>3</td><td>45</td><td>118 9 11</td><td>4.5</td><td>121.10 8</td><td>5</td></th<>	3	45	118 9 11	4.5	121.10 8	5
4 FT. FT. IN. PA. 8. 4 FT. FT. IN. PA. 8.   4 0 7 11 0 4 0 8 1 6   4 0 7 11 0 4 0 8 1 6   1 1 10 0 4 2 0 4 6	5	·nn	~~~~~~	· · · · ·	11111111111.00	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	~~~~	4 FT.	FT. IN. PA. 8.	1 FT.	FT. IN. PA. S.	~
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	in	-	0 7 11 0	-	0 8 1 6	22
	3	4	1 3 10 0	1	1 4 3 0	ŝ.
1 4 · · · · · · · · · · · · · · · · · ·	22	21	1 11 9 0	23	2048	ŝ
	3	4	111 0 01	4	0 4 0	3

A New Table.

2	1			**************	2
3		SIDE 20 IN.		SIDE 204 IN.	ŝ
3	FT.		FT.	secons and a second	3
3	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.	ş
3	-	294	1	2 10 2	3
3	2	5 6 8	2	584	ş
ŝ	3	8 4 0	3	8 6 6	ş
3	4	11 1 4	4	11 4 8	ş
3	5	13 10 8	5	14 2 10	
3	6	16 8 0	6	17 1 0	
3	7	19 5 4	7	19 11 2	
ş	8	22 2 8	8	22 9 4	
3	9	25 0 0	9	25 7 6	
ž	10	27 9 4	10.	28 5 8	ş
3	11	30 6 8	11	31 3 10	3
3	12	33 4 0	12	34 2 0	ş
ŝ	13	36 1 4	13	37 0 2	ž
3	14	38 10 8	14	39 10 4	
3	15	41 8 0	15	42 8 6	٤
3	16	44 5 4	16	45 6 9	8
ž	17	47 2 8	17	48 4 11	2
2	18	50 0 0	18	51 3 1	8
3	19	52 9 4	19	54 1 3	ş.
3	20.	55 6 8	20	56 11 5	ŝ
\$	21	58 4 0	21	59 9 7	£
ŝ	22	61 1 4	22	62 7 9	8
3	23	63 10 8	23	65 5 11	\$
3	24	66 8 0	24	68 4 1	ž
3	25	69 5 4	25	71 2 3	5
2	26	72 2 8	26	74 0 5	ž
3	27	75 0 0	27	76 10 7	ž
ŝ	28	77 9 4	28	79 8 9	8
3	29	80 6 8	29	82 6 11	3
3	30	83 4 0 -	30	85 5 1	£.
\$	31	86 1 4	31	88 3 3	ş
3	32	88 10 8	32	91 1 6	ž
ž	33	91 8 0	33	93 11 8	£.
\$	34	94 5 4	34	96 9 10	\$
3	35	97 2 8	35	99 8 0	ş.
50	36	100 0 0	36	102 6 2	ş
3	37	102 9 4	37	105 4 4	2
3	38	105 6 8	.38	108 2 8	ş
2	39	108 4 0	39	111 0 8	
3	40	111 1 4	40	113 10 10	
3	41	113 10 8	41	116 9 0	ž
ž	42	116 8 0	42	119 7 2	ş
2	43	119 5 4	43	122 5 4	ž
5	44	155 5 8	44	125 3 6	ŝ
2	45	123 0 0	45	128 1 8	ş
3		************	1100-	******	ş
	FT.	FT. IN. PA. S.	₫ FT.	FT. IN. PA. S.	2
in	4	0 8 4 0	+	0 8 6 6	ş
3	-	1 4 8 0	1	1510	ş
3	1	2 1 0 0	4	2176	Į.
10		in the second se			21
			~~~~		4
----	-------	----------------	--------	----------------	-----
ž	1	Sinn 201 Tu		Sunn 203 T.	3
3	FT.	SIDE 202 IN.	FT.	SIDE 204 IN.	ŝ
2	LNG.	FT. IN. PA.	LNG.	FT. IN PA.	3
ş	1	2 11 0	1	2 11 10	3
ŝ	2	5 10 0	2	511 9	ŝ
ŝ	3	8 9 0	3	8 11 7	ş
ş	4	11 8 1	4	11 11 6	3
\$	5	14 7 1	5	14 11 4	3
3	6	17 6 1	6	17 11 3	3
ş	7	20 5 1	7	20 11 1	3
ž	- 8	23 4 2	8	23 11 0	ŝ
ŝ	9	26 3 2	9	20 10 11	ŝ
\$	10	29 2 2	10	29 10 9	3
3	II	32 1 2	11	32 10 8	ş.
3	15	35 0 3	12	35 10 0	ş.
ŝ	13	37 11 3	13	38 10 5	3
ŝ	14	40 10 3	14	41 10 3	ž
ş.	15	43 9 3	1.5	44 10 2	ŝ.
3	16	40 8 4	16	47 10 1	ş.
3.	17	49 7 4	17	50 9 11	\$
ž	18	52 6 4	18	53 9 10	ŝ
ŝ.	, 19	55 5 4	19	50 9 8	ş.
ş	50	58 4 5	20	59 9 7	3
ş	21	61 3 5	21	62 9 5	ş
ş	22	64 2 5	22	65 9 4	ş
ŝ	23	67   5	23	08 9 2	ŝ
ş.	24	70 0 6	24	71 9 1	Ş.
÷	25	72 11 6	25	74 9 0	ż
ŝ	23	75 10 6	20	77 8 10	ż
ž.	27	78 9 6	27	80 8 9	ŝ.
ŝ.	28	81 8 7	28	83 8 7	ş.
2	29	84 7 7	29	86 8 6	ž
ş	30	87 6 7	30	89 8 4	Ś.
\$	01	90 5 7	31	94 8 3	3
ş.	20	00 4 8	32	95 8 2	3
ŝ	33	90 3 8	33	95 8 0	ξ.
ş	24	99 2 8	34	101 7 11	ş
3	20	105 0 0	3.5	107 7 0	ż
ş.	30	107 11 0	30	101 1 8	ş.
ş.	30	110 10 0	31	113 7 5	3
ş.	30	113 0 9	20	116 7 2	1
3	40	110 9 0	39	110 7 9	ŝ
3	41	110 7 10	40	122 7 1	ŝ.
ž	42	122 0 10	41	125 8 11	ŝ.
ξ.	43	125 5 10	43	128 6 10	3
3	44	128 4 11	11	131 6 8	3
5	45	131 3 11	4.5	134 0 7	-
à	10110	NICONN	A8 55-	moment	20
3	1 FT.	FT. IN. PA. S.	1 FT.	FT. IN. PA. S.	200
52	-	0 0 0		0 9 11 0	52
3	4	1 5 8 0	1	1 5 11 0	3
3	23	2 2 3 0	2	2 2 10 0	3
5	4		4	10 01	3

1					
	2	SIDE 21 IN.		SIDE 214 IN	
	FT		FT.	mmmmm	-
	LNG	FT IN. PA.	LNO.	FT. IN PA.	
	1	309	1	3 1 7	
	2	6 1 6	2	6 3 3	1
-	3	923	3	9 4 10	13
-	4	12 3 0	4	12 6 6	3
-	5	15 3 9	5	15 8 1	13
3	6	18 4 6	6	18 9 9	13
3	7	21,5 3	7	21 11 4	12
3	8	24 6 0	8	25 1 0	13
3	9	27 6 9	9	28 2 8	13
3	10	30 7 8	10	31 4 3	3
3	H	33 8 3	11	34 5 11	3
i	12	36 9 0	12	37 7 8	3
3	13	39 9 9	13	40 9 2	3
3	14	42 10 6	14	43 10 9	3
in all	15	40 0 0	15	47 0 5	3
2	10	52 0 0	16	52 2 9	3
2	10	55 1 0	17	50 5 0	ŝ
3	10	58 9 2	18	50 8 11	3
\$	20	61 8 0	19	62 9 7	ş
3	21	64 3 0	20	85 10 2	ž
ş	22	67 4 6	20	68 11 10	3
ŝ	28	70 5 3	22	72 1 5	3
ŝ	24	73 6 0	24	75 8 1	3
3	25	76 6 9	25	78 4 9	2
ŝ	28	79 7 6	26	81 6 4	\$
3	27	82 8 3	27	84 8 0	ŝ.
ş	28	85 9 0	28	87 9 7	\$
ş	29	88 9 9	29	90 11 3	3
ŝ	30	91 10 6	30	94 0 10	ş
\$	31	94 11 3	31	97 2 6	ŝ
ŝ	32	98 0 0	32	100 4 2	ŝ.
5	33	101 0 9	33	103 5 9	ŝ
	34	104 1 6	34	106 7 5	ş.
5	35	107 2 3	35	100 9 0	2
ş	36	110 3 0	36	112 10 8	ŝ
	37	113 3 9	37	110 0 3	ŝ
	38	110 4 6	38	119 1 11	2
	39	119 5 3	39	122 3 8	5
	40	126 0 0	40	190 0 2	
	19	120 7 0	41	121 0 6	2
	49	121 8 2	12	134 10 1	2
	44	134 0 0	44	137 11 8	
	45	137 0 0	45	141 1 4	
	10	surrenses	10	in in the second	
	FT.	FT. IN. PA. 8.	\$ FT. 1	T. IN. PA. S.	
	+	0923	+	0 9 4 9	
	1	1 6 4 6	-	1 6 9 6	
	te	2 3 6 9	* :	2 4 2 3	

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	- 1	*****	** 1 ************	~~~~	minnen	12
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Noral N	FT.	SIDE 211 IN.	RT.	SIDE 214 IN.	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	3	LNG	FT. IN. PA.	LNG.	FT. IN. PA.	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	1	3 2 6	1	3 3 5	13
$ \left[ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	2	6 5 0	2	6 6 10	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	3	976	3	9 10 3	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	4	12 10 1	4	13 1 8	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	5	16 0 7	5	16 5 1	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	6	19 3 1	6	19 * 8 6	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	ŝ	7	22 5 7	7	22 11 11.	13
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	8	25 8 2	8	26 3 4	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	9	28 10 8	9	29 6 9	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	10	32 1 2	10	32 10 2	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	11	33 3 8		30 1 7	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	12	1 58 0 5	12	39 5 0	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	13	44 11 3	13	46 11 10	15
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	14	48 1 0	14	40 3 9	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ž	10	51 4 4	10	52 8 0	Ę
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	17	54 8 10	10	55 10 9	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	18	57 9 4	18	59 1 7	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	19	60 11 10	19	62 5 0	3
$ \begin{array}{c} \begin{array}{c} 21\\ 22\\ 700 & 75\\ 33\\ 33\\ 32\\ 37\\ 37\\ 30\\ 11\\ 22\\ 700 & 75\\ 37\\ 37\\ 37\\ 30\\ 11\\ 22\\ 12\\ 37\\ 37\\ 37\\ 37\\ 37\\ 37\\ 37\\ 37\\ 37\\ 37$	3	20	64 2 5	20	65 8 5	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	21	67 4 11	21	68 11 10	ş
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	22	70 7 5	22	72 3 3	ž
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	23	73 9 11	23	75 8 8	ŝ
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	24	77 0 6	24	78 10 1	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ŝ	25	80 3 0	25	82 1 6	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	26	83 5 6	26	85 4 11	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	27	86 8 0	27	88 5 4	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ş.	28	89 10 7	28	91 11 9	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	29	93 1 1	29	95 3 2	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	30	00 8 1	30	101 10 0	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş.	31	102 8 6	31	101 10 0	ì
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	22	105 11 9	32	108 4 11	ş
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	34	109 1 8	3.1	111 8 4	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ŝ.	35	112 4 2	35	114 11 0	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş.	36	115 6 9	36	118 3 2	ş
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	37	118 9 3	37	121 6 7	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş.	38	121 11 9	38	124 10 0	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ŝ.	39	125 2 3	39	128 1 5	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	40	128 4 10	40	131 4 10	2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		41	131 7 4	41	134 8 3	ş
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		42	134 9 10	42	137 11 8	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	21	43	138 0 4	43	141 3 1	3
40     144     3     3     43     144     9     1       1     FT.     FT. IN. PA. 8.     1/2     FT.     FT. IN. PA. 8.     1/2     FT.     FT. IN. PA. 8.     1/2     T.     FT.     IN. PA. 8.     1/2     T.     FT.     IN. PA. 8.     1/2     T.     FT.     IN. PA. 8.     1/2     T.     8     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2     1/2		44	141 2 11	44	144 0 0	20
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		45	144 5 5	45	147 9 11	3
1     0     9     7     6     1     0     9     10     3       1     1     7     3     0     1     1     7     8     6       1     1     7     3     0     1     1     7     8     6       1     2     4     10     6     1     2     5     6     9     5	· ····	ξ <b>Γ</b> Τ.	FT. IN. PA. 8.	1 FT.	FT. 1N. PA. S.	server no
1     7     3     0     -     1     7     8     6     2       2     4     10     6     -     2     5     6     9     5	100	*	0 9 7 6	4	0 9 10 3	3
1 1 2 4 10 6 1 1 2 5 6 9 5		4	1730	1	1 7 8 6	2
	3	. 4	2 4 10 6	1 1 1	2 5 6 9	\$

,

FT.     SIDE 22 IN.     FT.     SIDE 22 IN.       LNG.     FT. IN. PA.     LNG.     PT. IN.       2     6     8     2     6     10	4 IN. 6 PA.
FT.     FT. IN. PA.     FT. IN.       1     3     4     4     1     3     5       2     6     8     2     6     10     10	3 6
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3 6
2 6 8 8 2 6 10	6
2 2 0 8 8 2 0 10	0
	0
	9
	0
S 0 90 9 0 0 90 7	0
	0 1
S 28 10 8 6 97 8	0 [
	3
10 33 7 4 10 34 4	6
3 11 36 11 8 11 37 9	9
12 40 4 0 12 41 3	0
13 43 8 4 12 44 8	3
14 47 0 8 14 48 1	6
15 50 5 0 15 51 6	9
16 53 9 4 18 55 0	1
17 57 1 8 17 58 5	4
18 60 6 0 18 61 10	7
3 10 63 10 4 10 65 3	10
2 20 67 2 8 20 68 9	1
3 21 70 7 0 21 72 2	4
2 22 73 11 4 22 75 7	7
2 03 77 3 8 23 79 0	10
3 24 80 8 0 24 82 6	1
2 95 84 0 4 95 85 11	4
3 26 87 4 8 26 89 4	7
2 27 90 9 0 27 92 9	10
99 94 1 4 28 96 3	I
2 20 97 5 8 20 99 8	4
2 20 100 10 0 30 103 1	7
3 31 104 2 4 31 106 6	10
3 32 107 6 8 32 110 0	2
3 33 110 11 0 33 113 5	5
3 34 114 3 4 34 116 10	8
3 35 1 117 7 8 35 120 3	11
3 36 121 0 0 36 123 9	2
37 124 4 4 37 127 2	5
3 38 127 8 8 38 130 7	8
2 39 131 1 0 39 134 0	11
1 40 134 5 4 40 137 6	2
3 41 137 9 8 41 140 11	5
42 141 2 0 42 144 4	8
\$ 43 144 6 4 43 147 9	11
2 44 147 10 8 44 151 3	2
\$ 45 151 3 0 45 154 8	5
S survey and a survey and a	111111
\$ FT. FT. IN. PA. S. 4 FT. FT. IN.	PA. S.
3 4 0 10 1 0 4 0 10	3 9
5 1 8 2 0 1 1 8	7 6
2 2 6 3 0 2 6 1	1 3

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	4				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	de la
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	3	-	a		10 001 1	3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	3	ET	SIDE 222 IN.	PT	SIDE 223 IN.	3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	ş.	LNG.	FT. IN. PA.	LNG	FT. IN. PA.	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ŝ.		3 6 2		2 7 1	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	2	7 0 4	2	7 9 2	ş
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5	3	10 6 6	1 a	10 0 1	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş.	4	14 0 9	4	14 4 6	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş.	5	17 6 11	5	17 11 7	ź
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş.	6	21 1 1	6	21 6 9	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	ş.	7	24 7 3	7	25 1 10	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	ş.	8	28 1 6	8	28 9 0	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	9	31 7 8	9	32 4 2	ş
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3	10	35 1 10	10	35 11 3	Ś
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ŝ	11	38 8 0	11	39 6 5	ş
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	ş.	12	42 2 3	12	43 1 6	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	13	45 8 5	13	46 8 8	ŝ
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	14	49 2 7	14	50 3 9	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ŝ.	15	52 8 9	15	53 10 11	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ŝ	16	56 3 0	16	57 6 1	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	100	17	59 9 2	17	61 1 2	2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ŝ	18	00 0 4	18	04 8 4	ŝ
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3	18	70 2 0	19	08 3 5	ş
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ż	21	72 0 11	20	11 10 7	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ş.	22	77 4 1	21	70 0 10	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ŝ.	23	50 10 3	22	62 7 11	ş
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ŝ.	24	84 4 6	24	86 3 1	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ż	25	87 10 8	25	50 0 3	ş
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ş.	26	91 4 10	26	93 5 4	ş
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	27	94 11 0	27	97 0 6	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş.	28	98 5 3	28	100 7 7	ş
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	29	101 11 5	29	104 2 9	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	30	105 5 7	30	107 9 10	ŝ
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	31	108 11 9	31	111 5 0	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ŝ.	32	112 6 0	32	115 0 2	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	33	116 0 2	33	118 7 3	ŝ
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	34	119 6 4	34	122 2 5	ş
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2	35	123 0 6	35	125 9 6	ş
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	36	120 0 9	36	129 4 8	ş
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ŝ	37	130 0 11	37	132 11 9	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	\$	38	100 1 1	38	136 6 11	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş.	30	137 1 3	39	140 2 0	ş
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	31	140 1 0	40	143 9 2	ł
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ž	19	147 7 10	49	141 4 4	ş
44     154     8     3     44     158     1       44     158     8     3     44     158     1     8       45     158     2     5     45     161     8     10       47     FT     FT. IN. P.A. S.     4     FT.     9     0     0     0     3       4     10     0     6     4     1     9     0     3     4       4     10     10     6     4     1     9     0     3     4     1     9     0     3     4     1     9     0     3     4     1     9     0     1     4     2     7     7     6     4     2     8     3     9     3     3     3     1     9     0     3     1     1     9     0     1     1     1     1     1     1     1     1     1     1     1     1	3	43	151 2 0	43	154 6 7	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	44	154 8 3	44	158 1 8	3
APPE     FT. IN. PA. S.     # PT.     # PT.     FT. IN. PA. S.     # PT.     # PT.<	3	45	158 2 5	45	161 8 10	3
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3		mannan	m	············	2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	S	₫ FT.	FT. IN. PA. S.	₫ FT.	FT. IN. PA. S.	1000
1     9     1     0     1     9     6     0       2     2     7     7     6     2     8     3     9	5	1	0 10 6 6	+	0 10 9 3	3
1 2 7 7 6 2 2 8 3 9	3	12	1910	12	1966	3
	2	4	2776	14.	2 8 3 9	22

A New Table

4	****	*************	*****	*****	~3
3		10 00 1	1.	10	13
3	DY	SIDE 23 IN.	1	SIDE 234 IN	1-13
- 5	PI		FT.		- 3
3	LN	9. FT IN. PA.	LNG.	FT. IN. PA.	1
3	1	3 8 1	1	3 9 0	1
- 2	2	742	2	7 6 1	13
ŝ	3	11 0 3	1 3	11 3 1	12
ş	4	14 8 4	4	15 0 2	12
2	5	18 4 5	5	18 0 2	12
3	6	22 0 6	B	. 22 8 2	13
3	7	25 8 7	-	26 2 2	13
3		20 4 9	1 .	20 0 1	13
ş	0	22 0 0	8	22 0 4	15
3	10	20 0 0	9	00 9 0	12
3	10	30 8 10	10	54 0 5	13
2	11	40 4 11	11	41 3 6	3
3	12	44 1 0	12	45 0 6	13
3	13	47 9 1	13	48 9 7	15
3	14	51 5 2	14	52 6 7	3
3	15	55 1 3	15	58 3 8	3
5	16	58 9 4	16	60 0 9	3
3	17	62 5 5	. 17	63 9 9	8
ŝ	18	68 1 6	18	67 6 10	3
٤.	19	69 9 7	19	71 3 10	3
3	20	73 5 8	20	75 0 11	2
ŝi	21	77 1 9	21	78 9 11	\$
٤I	22	80 9 10	22	82 7 0	3
\$1	23	84 5 11	23	86 4 0	3
	24	88 2 0	24	90 1 1	3
	2.5	91 10 1	25	93 10 2	3
2	26	95 6 2	26	97 7 2	5
٤I	97	00 2 3	27	101 4 3	3
51	20	102 10 4	20	105 1 2	2
31	20	108 8 5	00	108 10 4	٤
ŝl	20	110 2 0	20	112 7 4	٤.
٤1	21	112 10 7	30	110 1 4	\$
31	20	113 10 1	31	100 4 0	3
21	32	117 0 8	32	120 1 0	ξ.
٤1	33	121 2 9	33	123 10 6	ξ.
3	34	124 10 10	34	121 7 7	2
2	35	125 6 11	35	131 4 7	ŝ
1	36	132 3 0	. 36	135 1 8	2
ŝi	37	135 11 1	37	138 10 8	ż
2	38	139 7 2	38	142 7 9	5
8	39	143 3 3	39	146 4 9	3
	40	146 11 4	40	150 1 10	2
	41	150 7 5	41	153 10 11	ξ
	42	154 3 6	42	157 7 11	ξ
	43	157 11 7	43	161 5 0	\$
	44	161 7 8	44	165 2 0	2
	45	165 3 9	45	168 11 1	2
		mannen	sere. a	······································	5
-	FT.	FT. IN. PA. S.	1 FT. 1	FT. IN. PA. 8.	
	+	0 11 0 3	+	0 11 3 0	2
	青	1 10 0 6	-	1 10 6 0	2
	inte	2 9 0 9	-	2 9 9 0	
	4	0 0 1	4		

ŵ	nn	*****		******	-4
in more		SIDE 23% IN.		SIDE 234 IN.	1010
~	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.	
ş.	1	3 10 0	1	9 11 0	3
3	1 0	7 8 0	9	7 10 0	13
3	2	11 8 0	1 o	11 0 0	3
3	0		0		
ŝ.	4	10 9 1	1	10 8 0	3
ş.	5	19 2 1	5	19 7 0	3
ŝ.	6	23 0 1	8	23 6 0	2
ş	7	26 10 1	7	27 5 0	3
3	8	30 8 2	8	31 4 0	3
3	9	34 6 2	9	35 3 0	2
\$	10	38 4 2	10	39 2 0	Ş
ş.	11	42 2 2	11	43 1 0	3
3	12	46 0 3	12	47 0 0	3
ş.	13	49 10 3	13	50 11 0	2
ŝ	14	53 8 3	14	54 10 0	10
ş	15	57 6 3	15	58 9 0	2
ŝ	16	61 4 4	16	62 8 1	3
§.	17	65 2 4	17	66 7 1	200
3	18	69 0 4	10	70 6 1	3
2	10	72 10 4	10	74 6 1	ş
٤	20	78 9 5	10	76 4 1	1
\$	21	80 9 5	20	10 1 1	ŝ
3	99	84 4 5	21	84 3 1	Z
3	00	04 4 0	22	80 2 1	5
ŝ	43	00 2 0	23	80 1 1	3
\$	24	92 0 6	24	94 0 1	3
\$	25	95 10 6	25	97 11 1	ş
ŝ	28	19 8 6	26	101.10 1	ş
ş.	27	103 6 6	27	105 9 1	ş
3	28	107 4 7	28	109 8 1	3
3	29	111 2 7	20	113 7 1	3
3	30	115 0 7	30	117 6 1	ş
3	31	118 10 7	31	121 5 1	3
3	32	122 8 8	32	125 4 2	3
٤.	33	126 6 8	33	120 8 9	3
ş.,	34	130 4 8	24	133 9 9	3
ŝ	3.5	134 2 8	20	127 1 9	ŝ
5	36	138 0 9	28	141 0 2	3
3	87	141 10 9	27	144 11 9	ŝ
3	99	145 8 0	201	146 10 9	3
3	30	140 8 9	20	148 10 2	3
5	40	01 1 221	39	150 9 2	3
3	40	103 4 10	. 40	150 8 2	3
ŝ	*1	101 2 10	41	160 7 2	ş
ş	42	101 0 10	42	164 6 2	22
3	43	104 10 10	43	168 5 2	3
2	44	108 8 11	44	172 4 2	3
3	45	172 6 11	45	176 3 2	11
3	~~~~	~ * * * * * * * * * * * * * * * * * * *	00-00		2
now.	\$ PT.	FT. IN. PA. 8	\$ PT.	FT. IN. PA. S.	sere.
3	+	0 11 8 0	+	0 11 9 0	3
ş	1	1 11 0 0	1	111 6 0	3
ŝ.	1	210 6 0	4	211 3 0	3
-	~ ~~~	****		······································	5

	8000					~~	in				~~~	1000
	1-					-	11		-			-
	51		Su	2 30	4 I.s				SID	R 2	44 I	N.
	FT		1000	1100	errs.	~	107	·			in	m i
	LN	à.	FT	C 15	. PA		LN	a.	FI	C. 11	N. P.	4. 13
	-					-			_			
			4	0	0				4	1	0	
	1 2		8	0	0		1 2		5	2	0	15
			1 10	0	0		1		19		0	
3			10	0	0				14		0	
-			10	0	0		1		10	4	0	
1	5		20	0	0		5		20	5	0	11
3	6		24	0	0		6	5	24	6	0	13
2	7		28	0	0		7		2.8	7	0	18
2	0		20	0	0				0.0		0	12
5	1 2	1	30	0	0		8		32	0	0	1:
5	9		30	0	0		9		36	9	0	15
2	1 10		40	0	0		10		40	10	0	13
\$	11	1	44	0	0		11		44	11	0	13
5	12		49	Ô.	0		12		40	0	0	13
2	122		10	0	0		10		50	1	0	13
3	13		20	0	0		13		03	1	0	13
2	14		56	- 0	0		14		57	5	0	13
2	15		60	0	0		15	1	61	3	0	13
5	16		64	0	0		16	T	6.5	4	1	13
3	17		RO	0	0		14		80	5	1	13
÷	10		20	0	ä		13		*0	0	1	13
3	10	L	14	0	0		18		13	0	1	13
3.	19	E	76	0	0		19	1.	77	7	1	13
3	20		80	0	0		20		81	8	1	13
3	21		84	0	0		21		85	9	E	13
3	00		00	a	0	Ш	00		80	10	1	13
ξ.	60		00	0	0-	Ш	00		09	10	1	.5
	\$3		92	0	0		23		93	11	1.	13
\$	24		26	0	0		24		98	0	1	15
	23		100	0	0	Ш	25		02	1	1	13
3.	26		104	0	0		26		C6	2	1	13
31	97		108	0	0		94	1 1	10	3	1	13
31	00		110	õ	0		00	1.5	14		1	12
31	43		110	0	0 -		28		14	1	1	18
	29		110	0	0		29	1	18	0	1	1.5
31	30		120	0	0		30	1	22	6	1	13
31	31		124	0	0		31	1	26	7	1	13
21	32		128	0	0		82	1	30	8	2	3
31	22		120	0	0		22	1	34	0	2	18
3 !	00		100	0	o.		00		00	10	9	18
3	34		130	0	0		24		38	10	0	13
2	35		140	0	0		35	1	43	11	4	12
	36		144	0	0		36	1	47	0	2	13
1	37		148	0	0		37	1	51	1	2	13
	20		159	0	0		24		55	2	2	13
	20		120	0	0		20		=0	2	2	13
	99		190	0	0		39	1	00	0 -	9	12
	40		160	0	0		40	1	03	4	0	
	41		64.	0	0		41	1	67	5	Z	15
	42		168	0	0		42	T	71	6	3	14
	43		72	0	0		43	1	7.5	7	2	2
	10		100	0	ő		10		70	0	2	5
	44		011	0	0		44		10	0	0	12
	45		180	0	0		45	1	83	9	6	3
		~		1500	****	1-	× +++-	-		\$15		13
	FT.	F	T. IN	. PA	. 8.	1	FT.	FI	. IN	. PA	. s.	3
	T	-	0	0	0	F	T	-	0	3	0	i
	1		0	0	0		1	10	0	0	0	8
	2	3	0	0	0		2	2	0	6	0	3
	21	-	3 0	0	0		4	3	0	9	0	5
												2

2	*****	*****		******************	- 9
sur		SIDE 244 IN.		SIDE 243 IN.	2 00
~	FT.	mmmmm	FT.	······································	
2	LNG.	FT. IN. PA.	LXG.	FT. IN. PA.	2
ŝ	1	4 2 0	1	4 3 0	3
3	2	8 4 0	2	8 6 1	3
2	3	12 6 0	3	12 9 1	3
ŝ	4	10 8 1	4	11 0 2	2
2	0	20 10 1	0	21 3 2	1
3	0	20 9 1	0	20 0 0	3
ş	6	23 4 9	6	24 0 4	3
3	o o	37 6 2	o	20 2 5	3
ŝ	10	41 8 2	10	42 8 5 1	ŝ
3	11	45 10 2	11	48 0 8	\$
3	12	50 0 3	12	51 0 8	3
3	13	54 2 3	13	55 3 7	ş
3	14	58 4 3	14	59 6 7	3
3	15	62 6 3	15	63 9 8	3
3	16	66 8 4	16	68 0 9	3
ŝ	17	70 10 4	17	72 3 9	:
3	18	75 0 4	18	76 6 10	3
3	19	79 2 4	19	80 9 10	ż
3	20	83 4 5	20	85 0 11	
2	21	87 6 5	21	89 3 11	2
ż	22	91 R 5	22	93 7 0	ş
3	23	95 19 3	23	97 10 0	ŝ
3	24	100 0 6	24	102 1 1	ş
3	25	104 2 6	25	106 4 2	ž
3	26	108 4 6	26	110 7 2	ş
ŝ	27	112 6 6	27	114 10 3	3
5	28	110 8 7	28	119 1 3	ş
3	29	120 10 7	29	123 4 4	ş
ł	30	120 0 7	30	127 / 4	ş
3	39	122 4 9	31	132 0 5	ŝ
3	32	137 6 8	32	130 1 0	ş
3	34	141 8 8	2.1	144 7 7	200
3	35	145 10 8	35	148 10 7	ź
2	36	150 0 9	26	153 1 8	ž
3	37	154 2 9	37	157 4 8	ş
3	38	158 4 9	38	161 7 9	ş
3	39	162 6 9	39	165 10 9	2
3	40	166 8 10	40	170 1 10	53
3	41	170 10 10	41	174 4 11	
ż	42	175 0 10	42	178 7 11	
5	43	179 2 10	43	182 11 0	2
2	44	183 4 11	44	187 2 0	3
3	45	187 6 11	45	191 5 1	2
3			*****	********* . ##	3
error.	\$ PT.	FT. IN. PA. 8	\$ PT.	FT. IN. PA. S.	1000
22	*	1060	4	1090	?
3	12	2100	1	2 1 6 0	3
100	*	3 1 6 0	1 3	3 2 3 0	ž
4	*****	*************	111111	***********	1

G

$\gamma$					5
2		SIDE 25 IN.		SIDE 254 IN.	
3	FT.	ET. IN PA.	FT.	FT. IN. PA.	3
ŝ.					ŝ.
3	1	4 4 1	1	4 3 1	Ş.
3	2	5 8 2	2	8 10 3	Ş.
2	3	13 0 3	3	13 3 4	5
ş	4	17 4 4	4	17 8 6	2
3	5	21 8 5	5	22 1 7	5
3	6	26 0 6	6	26 6 9	2
\$	7	30 4 7	7	30 11 10	2
•	8	34 8 8	8	35 5 0	٤
	9	39 0 9	9	39 10 2	ş
	10	43 4 10	10	44 3 3	ł
3	11	47 8 11	11	48 8 5	ş
ε	12	52 1 0	12	53 1 6	2
ż	13	56 5 1	13	57 6 8	ŝ
?	14	60 9 2	14	61 11 9	ź
	15	65 1 3	15	66 4 11	ź
4	16	69 5 4	16	70 10 1	ž
\$	17	73 9 5	17	75 3 2	ŝ
ž	18	78 1 6	18	79 8 4	ş
ŝ.	19	82 5 7	19	84 1 5	ŝ
3	20	86 9 8	20	88 6 7	
3	21	91 1 9	21	92 11 8	ŝ
3	22	95 5 10	22	97 4 10	ş
\$	23	99 9 11	23	101 9 11	ş
3	24	104 2 0	-24	106 3 1	ş
ž	25	108 6 1	25	110 8 3	ş
\$	28	112 10 2	26	115 1 4	ş
3	27	117 2 3	27	119 6 6	
3	20	121 6 4	28	123 11 7	ŝ
\$	20	125 10 5	2.9	128 4 9	ş
3	20	130 2 6	30	132 9 10	
2	21	134 6 7	31	137 3 0	ž
	01	138 10 8	32	141 8 2	2
ž	22	143 2 9	83	146 1 3	2
3	24	147 6 10	34	150 6 5	ş
3	26	151 10 11	3.5	154 11 6	3
-	30	156 3 0	38	159 4 8	3
3	27	160 7 1	37	163 9 9	-
	36	1 164 11 2	38	168 2 11	1
2	38	160 3 3	39	128 0	1
3	30	173 7 4	40	177 1 2	ľ
	40	177 11 5	41	181 6 4	l
10	41	162 8 8	12	185 11 .5	
3	42	166 7 7	43	190 4 7	l
-	43	100 11 9	44	194 9 8	
3	44	105 2 0	1 45	100 2 10	
2	45	100 0 0	10	mannin	
	1 FT	FT. IN. PA. S.	4 PT	FT. IN. PA. 8.	
-	1	1 1 0 3	1 1	1 1 3 3	
	1	2 2 0 6	1 2	2 2 6 6	
	1	3 3 0 9	1 4	3 3 9 9	
-					

τ.				
2		SIDE 254 IN.		SIDE 25% IN.
8	FT.	~~~~~~~~~	FT.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
2	LNG.	FT, IN. PA.	LNO.	PT. IN. PA.
ŝ	1	4 6 2		4 7 3
3)	2	904	2	926
3	3	13 0 0	3	13 9 9
ŝ		99 0 11	4	18 5 0
ş	B	27 1 1	0	23 0 3
٤I	7	31 7 3	7	32 9 0
31	8	36 1 6	6	36 10 0
ŝ	9	40 7 8	0	41 5 8
ş.	10	45   10	10	46 0 6
ξ	ii.	49 8 0	ii	50 7 9
ł	12	54 2 3	12	55 3 0
ŝ	13	58 8 5	13	59 10 3
3	14	63 2 7	14	64 5 6
3	15	67 8 9	15	69 0 9
2	16	72 3 0	16	73 8 1
ŝ	17	76 9 2	17	78 3 4
ş	.18	81 3 4	18	82 10 7
ş.	19	85 9 6	19	87 5 10
ş.	20	90 3 9	20	92 1 1
ŝ.	21	94 9 11	21	96 8 4
ξ.	22	99 4 1	22	101 3 7
3	23	1 103 10 3	23	105 10 10
ŝ	24	108 4 0	24	110 0 1
ì	20	117 4 10	25	110 9 7
ş.	07	121 11 0	00	124 2 10
3	20	128 5 2	29	128 11 1
ŝ	20	130 11 5	20	133 6 4
ŝ	30	135 5 7	30	138 1 7
Ś	31.	139 11 9	31	142 8 10
ŝ	32	144 6 0	32	147 4 2
ŝ	33	149 0 2	33	151 11 5
ŝ	34	153 6 4	34	156 6 8
3	35	158 0 6	35	161 1 11
3	36	162 6 9	36	165 9 2
200	37	167 0 11	37	170 4 5
2	38	171 7 1	38	174 11 8
3	39	176 1 3	39	179 6 11
100	40	180 7 8	40	184 2 2
3	41	160 7 10	41	102 4 9
2	42	104 2 0	42	197 11 11
3	44	1 198 8 3	14	202 7 2
3	45	203 2 5	4.5	207 2 5
3			~~~	Normona
erere .	A PT	FT. IN. PA. S.	+ PT	FT. IN. PA. 8.
	4	1 1 6 6	1 1	1 1 9 9
	1	2310	1 2	2 3 7 6
	1	3476	1 4	3 5 5 3

72

	know	***********	*****	*****	- 45
	-	SIDE 26 IN.	1	SIDE 264 IN.	
	LNO	FT IN. PA	LNG.	FT. IN PA.	
		4 8 4		4 9 5	3
-	2	948	2	9 6 10	3
	3	14 1 0	3	14 4 3	3
-	4	18 9 4	4	19 1 8	ŝ
3	5	23 5 8	5	23 11 1	2
	6	28 2 0	6	28 8 6	3
3	6	37 6 8	7	38 3 4	ş
2	9	42 3 0	i i	43 0 9	ž
3	10	46 11 4	10	47 10 2	ş.
	11	51 7 8	11	52 7 7	z
3	12	56 4 0	12	57 5 0	ş.
3	13	61 0 4	13	62 2 5	1
3	14	65 8 8	14	66 11 10	
3	15	70 5 0	15	71 9 3	5
3	10	70 0 0	16	10 0 9	ł
ž	10	19 0 8	17	86 1 7	ŝ.
3	10	89 2 4	10	90 11 0	ξ.
3	20	93 10 8	20	95 8 5	1
ş	21	98 7 0	21	100 5 10	1
3	22	103 3 4	22	105 3 3	
2	23	107 11 8	23	110 0 8	
\$	24	113 8 0	24	114 10 1	
:	25	117 4 4	2.5	119 7 6 5	
2	20	122 0 8	26	120 9 4 3	
3	20	131 5 4	27	133 11 9 2	
3	29	136 1 8	20	138 9 2	
à	30	140 10 0	30	143 6 7 3	
ş	31	145 6 4	31	148 4 0 2	
5	32	150 2 8	32	153 1 5	
3	33	154 11 0	33	157 10 11 3	
3	34	159 7 4	34	102 8 4	
31	33	104 5 8	35	101 0 9	
3	37	173 8 4	30	177 0 7	
3	38	178 4 8	38	181 10 0 3	
\$1	39	183 1 0	39	186 7 5 2	
3	40	187 9 4	40	191 4 10 \$	
3	41	192 5 8	41	196 2 3 3	
3	42	197 2 0	42	200 11 8	
2	43	201 10 4	43	205 9 1	
3	44	211 3 0	44	210 0 0 8	
§ .	TO I	and a la l	TO I	*****	
in the second	₹ FT.	FT. IN. PA. S.	} FT. 1	FT. IN. PA 8.	
2	. 1	1210	+	1 2 4 3	
2	12	2 4 2 0	2	2 4 8 6	
8	\$1	3 0 3 0	4	3 7 0 91	

4	tran			*********	4
1	1	10	1	10 001 1	2
1	PT.	SIDE 202 IN.	PT.	SIDE 262 IN.	ş
ž	LXO.	FT. IN. PA.	LNG.	FT IN DA	5
3					ŝ
ż		4 10 6		4 11 7	3
3	2	9 9 0	2	9 11 3	3
3	1 3	19 1 0	3	14 10 10	ş
ź	4	19 0 1	4	19 10 0	3
ş	0	00 2 1	0	64 10 1	ź
ŝ	I R	21 3 1	0	20 9 9	ş
ž	1 7	20 0 0	17	34 9 4	ş
ş	8	1 0 0 2	8	34 9 0	ş
ŝ	1 10	48 0 0	9	41 8 8	ş
Ś	i ie	62 7 0	10	18 8 0	ź
ş	111	55 0 2		54 7 11	ŝ
ş	112	83 1 0	12	38 1 0	2
3	112	188 9 2	13	80 9 0	Ş.
ş	14	13 10	14	09 8 9	ş.
ş	1 10	78 0 4	15	74 0 5	3
3	10	62 10 14	10	21 1 0 1	1
ş	10	87 8 1	10	80 5 4	Ł
3	1 10	82 7 16	10	04 4 11	٤
ş	1 90	97 8 6	19	00 4 7	3
ş	21	102 4 11	01	104 4 9	Ş.
ŝ	99	107 3 5	0.0	100 9 10	ξ.
ş	28	112 1 11	92	114 3 4	Ş.
ş	2.4	117 0 6	63	119 8 1	ξ
ş	25	121 11 0	0.5	124 2 0	Ş.
ş	26	128 9 8	28	129 9 4	ŝ.
ş.	1 87	131 8 0	27	134 2 0	3
3	28	136 6 7	90	130 1 7	Ş.
ŝ.	20	141 5 1	20	144 1 3	\$
ş.	30	146 3 7	30	149 0 10	ŝ.
3	31	151 2 1	31	154 0 8	÷
ş	32	156 0 8	32	159 0 2	3
ŝ	33	160 11 2	33	183 11 9	ξ.
ş	34	165 9 8	34	168 11 5	5
Ş.	35	170 8 2	3.5	173 11 0	1
ŝ.	36	175 8 9	36	178 10 8	5
ş	37	180 5 3	37	153 10 3	
ŝ	38	185 3 9	38	188 9 11	5
Ş.	39	190 2 3	39	.93 9 6	5
ş.	40	195 0 10	40	198 9 2	ŝ
3	41	199 11 4	41	203 8 10	1
1	42	204 9 10	42	208 8 5	į.
ξ.	43	209 8 4	43	213 8 1	\$
ì	44	214 6 11	44	218 7 8	ş
ŝ.	45	219 5 5	45	223 7 4	3
ş		······		·····	E
ş	\$ PT.	FT. IN. PA. 8	\$ FT.	FT. IN. PA. S.	Į.
52		1 2 7 8		1 2 10 9	F
3	4	2 5 3 0	11	2 5 9 8	1
3	1 mg	3 7 10 6	3	3 8 8 3	
٤			-		1

Sing 27     Is.     Sing 27     Is.     Fig. 18     Sing 27     Is.     Sing 27	Ŧ.,				and a second and a second a se
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	31		SIDE 27 IN.		SIDE 274 IN.
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		FT.	*****	FT.	second and a second
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		LNG.	FT. IN. PA.	LNG.	FT. LN. PA.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1	509	1	5 1 10
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	2	10 1 6	2	10 3 9
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		3	15 2 3	3	15 5 7
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		4	20 3 0	4	20 7 6
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	5	25 3 9	5	25 9 4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		6	30 4 6	6	30 11 3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	7	35 5 8	1 7	30 1 1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	8	40 6 0	8	41 3 0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		9	40 0 9	9	11 1 01
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	10	50 7 6	10	51 0 8
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2	11	55 8 3	1 11	00 8 8
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	12	0 0 00	12	01 10 0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	13	00 9 9	13	70 1 2
$ \begin{bmatrix} 1 & 2 & 1 & 3 \\ 1 & 5 & 1 & 3 \\ 1 & 5 & 6 & 1 \\ 1 & 5 & 6 & 1 \\ 1 & 5 & 6 & 1 \\ 1 & 6 & 1 & 6 \\ 1 & 0 & 1 & 5 \\ 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 2 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 0$	3	14	70 10 6	14	10 6 0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2	15	75 11 3	15	11 4 6
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	16	81 0 0	1 16	82 0 1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	17	80 0 9	1 17	81 7 11
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	18	91 1 0	18	92 9 10
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		19	80 2 3	19	102 1 7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	\$	20	101 3 0	20	103 1 1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	i	21	106 3 9	1 21	108 3 3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	22	111 4 6	22	113 3 4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	23	116 5 3	23	118 7 2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	24	121 0 0	24	123 9 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	25	126 6 9	25	128 11 0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	26	131 7 6	1 26	134 0 10
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	27	136 8 3	27	139 2 9
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	28	141 9 0	28	144 4 1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	29	140 9 9	29	140 0 0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	30	151 10 6	30	101 8 4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	31	150 11 3	31	100 10 0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2	32	162 0 0	32	103 0 2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	•	33	107 0 9	33	176 2 11
33     111     2     33     110     5     0       31     182     0     30     167     5     17     5       37     187     3     9     31     100     9     6       38     197     4     6     38     197     5     16       40     107     5     3     30     201     1     5       44     2017     6     44     224     10     5     1     4       45     217     6     44     224     6     1     5       44     227     6     44     224     10     5     1       45     217     7     6     44     224     10     1       45     217     0     44     223     0     1     43     1     3       45     217     0     44     223     0     1     43     1     3     1	3	34	172 1 6	34	180 5 0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	35	101 2 3	35	185 7 8
13     100     4     100     6     34     100     6       30     107     5     6     38     101     1     3       30     107     5     3     30     011     1     3       40     202     0     40     24     101     5     1       41     2012     0     40     22     11     5     1       44     2012     0     44     22     10     1     4       44     222     0     0     44     223     0     1       44     222     0     0     44     223     0     1       44     223     0     0     45     23     0     1       44     223     0     0     45     23     0     1       44     223     0     0     45     23     0     1       44     223     0     45	-	36	100 3 0	30	100 0 6
33     157     4     0     38     100     1     3       30     197     5     3     39     197     5     3     39     101     1     3       40     202     6     0     40     206     3     2       41     201     6     9     41     211     5     1     3     217     8     43     216     6     11       42     212     7     6     42     216     6     11     4     217     8     43     221     8     10     10     11     5     10     11     44     221     8     43     221     10     8     43     221     10     8     43     221     10     8     43     221     10     8     43     221     10     8     43     221     10     8     43     221     10     8     43     234     9     45	5	37	109 4 9	1 31	105 11 5
30     10     5     30     201     1     5       40     202     60     40     206     3     2     1     5     1     5     1     5     1     5     1     5     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     <	50	38	107 6 9	38	201 1 3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2	39	200 0 0	39	208 3 2
41     201     0     9     41     210     6     11       42     212     7     6     42     216     6     11       43     217     8     3     32     8     13     221     8     10       44     222     9     0     44     226     10     8       45     227     9     9     45     232     0     7       45     727     9     45     232     0     7     45     732     0	-	40	202 6 0	40	211 5 1
43     217     8     3     221     8     10       43     221     8     0     44     226     10     8       44     222     9     0     44     226     10     8       45     227     9     9     45     232     0     7       46     47     FT     FT     N     PA     8     FT     FT     N     PA     8	-	41	919 7 0	41	218 6 11
43 c11 9 9 43 c11 9 10 44 222 9 0 44 226 10 8 45 227 9 9 45 232 0 7	3	42	017 0 2	42	1 821 8 10
44 227 9 9 45 232 0 7		+3	220 0 0	43	228 10 8
1 or PT IN PA & 4FT, FT, IN, PA S.	3	44	222 9 0	44	232 0 7
Ler PT IN PA S 4 FT. FT. IN. PA S.	3	45	001 9 9	45	an sources
a real and a	2.	1 FT	FT. 1N. PA. S.	1 FT.	FT. IN. PA. S.
1 1 3 2 3 4 1 3 5 6	3	t	1 3 2 3	1 1	1 3 5 6
1 2 6 4 6 1 2 6 11 0	2	1	2 6 4 6	1 1	2 6 11 0
3 3 9 6 9 3 10 4 6		4	3 9 6 9	I a	3 10 4 6

w.	*****	****		~~~~	~~~	122000
~~~~~	RT	SIDE 271 1	N.    PT.	SIDE	274	In.
3	LNG.	FT. IN. P.	A. LNG.	FT.	IN.	PA.
	-	5 3 0		5	4	2
3	2	10 6 0	2	10	8	4
3	3	15 9 0	3	16	0	6
3	4	21 0 1	1 4	21	4	8
2	5	26 3 1	5	26	8	10
3	6	31 6 1	6	32	1	0
3	7	36 9 1	7	37	5	2
2	8	42 0 2	8	42	9	4
3	9	47 3 2	9	+8	1	6
3	10	52 6 2	2 10	53	5	8
3	11	57 9 2	11 1	58	9	10
ŝ	12	63 0 3	12	64	S	0
\$	13	68 3 3	13	69	6	8
3	14	73 6 3	14	74	10	4
3	15	78 9 3	15	80	2	6
ŝ.	16	84" 0 4	16	85	6	9
ŝ	17	89 3 4	17	90	10	4.1
3	18	94 6 4	18	96	3	1
ş	19	99 9 4	19	101	7	3
3	20	105 0 8	20	106	11	5
ŝ.	51	110 3 8	21	1115	3	7
\$	22	11.5 - 6 3	28	117	7	9
3	53	120 9 5	23	122	11	11
ž	24	12.1 0 0	24	138	4	1
3	25	131 3 c	25	133	8	3
ŝ	26	136 6 6	3 20	139	0	5
3	27	141 9 6	5 27	144	4	7
ž	28	147 0 7	28	149	8	9
2	29	152 3 1	29	155	0	
ş	30	157 8 7	30	160	5	1
3	31	162 9 7	31	105	9	3
ź	32	108 0 8	3 32	111	-	0
3	33	173 3 8	33	110	0	8.1
3	34	118 0 8	5 34	181	9	10
3	33	183 9 8	5 35	184	2	0
ž	377	101 2 0	30	100	10	-
200	29	100 8 0	31 20	203	2	8
3	30	204 0	0 38	200	B	8.1
3	10	210 0 10	39	219	10	10
2	11	215 3 10	40	210	3	0
3	42	220 6 10	41	271	7	2
5	1 43	225 9 14	1 13	229	LL.	4
	44	231 0 1	1 44	234	3	6
3	15	236 3 1	45	240	7	8
52		mannen	1000 00000	11111	1000	11000
1000	\$ PT.	FT. IN. PA.	8 1 FT	FT. 1	N. P.	A. S.
100	1 4	1 3 9	0 1	1 .	1 0	6
3	1 2	276	0 1	2	8 1	0
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2								
3		SIDE 28 T	× 11		SIDE	26	I IN	1
2	FT.	mmmmmm	w F	r.			5000	- 3
2	LNG.	FT. IN. P.	A. LN	G.	FI	. IN	. PA.	. 3
3	-	5 5 4		-	5	R	R	- 3
3	0	10.10 8			11	1	0	13
5	1 - 3	16 4 0		2	16	-	R	13
3	0	01 0 4		5	00	0	0	15
3	17	27 9 9			27	é	0	13
3	0	22 8 0			22	2	0	12
3	1 7	38 1 4			20	0	a	1
3	1 6	42 6 9			44	9	0	3
3	0	40 0 0			40	10	G	12
3	10	54 5 4		1	22	10	0	13
ŝ	10	51 0 1		1	80	11	a	13
3	1 10	00 10 0			00	0	0	18
3	12	70 0 4			7.2	0	0	3
\$	15	70 0 9	1 1	2			0	3
ž	14	10 2 0	14	1	62	1	0	3
ž	15	81 8 0	110	2	83	1	0	13
ş	10	81 1 4	110	2	00	0	-	5
3	117	92 0 8			94	2	7	i
ž	18	100 6 4	1 18	2	105	9	1	15
3	19	103 5 4	11	1	105	3	1	3
ž	20	108 10 8	20	2	110	10	1	3
ž	21	114 4 0	21		110	4	7	3
3	22	119 9 4	22		121	"	1	2
3	23	125 6 8	23		127	0	1	3
3	24	130 8 0	24		133	0	1	12
5	25	130 1 4	23		138	0	1	12
3	26	141 0 8	20		144	1	1	3
ŝ.	27	147 0 0	27		149	7	1	13
3	28	133 3 4	28		100	6	-	13
3	29	107 10 8	29		180	2	1	3
3	30	105 4 0	30		171	0	-	12
3	31	108 9 4	31		177	4		3
٤.	32	114 4 8	00		100	10	0	13
3	33	179 8 0	33		100	10	0	15
3	34	100 0 6	31		100		ě	2
2	30	100 0 8	00		100	a	0	18
\$	30	190 0 0	0 07		205	0	0	3
2	37	206 10 9	20		210	7	2	3
3	38	212 4 0	1 30		218	i	8	3
2	39	217 0 4	1 40		991		2	3
3	40	209 9 9	1 40		097	0	0	3
ŝ	41	200 0 0	41		939	õ	2	2
ŝ	46	224 1 4	12		920	9	ě	3
3	10	230 6 8	44		243	10	2	3
3	45	245 0 0	45		249	4	8	3
3	GF	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	10		51155	in		5
3	+ FT	FT. IN. PA. S	+ F1		FT. IN	. PA	. 8.	
3	-	1 4 4 0			1 4	7	6	
ŝ	4	2 8 8 0	1 4		2 9	3	0	3
4	21.75	4 1 0 0	1 Ant		4 1	10	6	5
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3		SIDE 282 IN.		SIDE 284 IN.	13							
3	PT.	15131110355.105	FT.	mumm	E							
ż	LNG.	FT IN. PA.	LING.	FT. IN. PA.	1							
\$	1	578	1	5 8 10	12							
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3	3	16 11 0	1 3	17 2 7	13							
3	4	92 8 0	1	99 11 0	B							
3	6	20 0 0	1	20 0 4	12							
ż	0	22 10 1	0	21 6 8 4	E							
ž	0	35 10 1	0	34 3 3	12							
ŝ	7	39 5 9	7	40 2 1	ž							
\$	8	45 1 6	8	45 11 0								
3	9	50 9 2	9	51 7 11	3							
3	10	56 4 10	10	57 4 9	3							
3	11	62 0 6	II	63 1 8	3							
2	12	67 8 3	12	68 10 6	3							
3	13	73 3 11	13	74 7 5	3							
3	14	78 11 7	14	80 4 3	2							
3	15	84 7 2	10	88 1 9	3							
3	18	00 2 0	15	01 10 1	3							
3	17	05 10 0	16	07 0 11	3							
2	10	90 10 8	17	91 6 11	2							
3	18	101 6 4	18	103 3 10	2							
3	19	107 2 0	19	109 0 8	2							
3	20	112 9 9	20	114 9 7	ż							
ş	21	118 5 5	21	120 6 5	3							
3	22	124 1 1	22	126 3 4	3							
3	23	129 8 9	23	132 0 2	3							
3	24	135 4 6	24	137 9 1	3							
3	25	141 0 2	25	143 8 0	3							
ż	26	146 7 10	90	149 2 10	3							
ş	97	152 3 B	07	154 11 0	5							
\$	28	157 11 2	00	180 9 7	3							
3	20	102 0 11	48	100 8 1	3							
3	20	103 0 11	29	100 5 0	3							
ş	30	109 2 7	30	172 2 4	ŝ							
٤	31	174 10 3	31	177 11 3	2							
3	32	180 6 0	32	183 8 2	3							
ş	33	186 1 8	33	189 5 0	3							
ş.	34	191 9 4	34	195 1 11	3							
ŝ	35	197 5 0	35	200 10 9	٤							
3	36	203 0 9	36	206 7 8	3							
3	37	208 8 5	37	212 4 6	3							
3	38	214 4 1	38	218 1 5	3							
3	39	219 11 9	39	223 10 3	5							
3	40	225 7 8	40	220 7 2	3							
3	41	231 3 2	41	235 4 1	3							
ž	42	236 10 10	49	241 0 11	3							
3	43	242 8 8	40	248 0 10	3							
3	44	916 9 0	43	240 9 10	-							
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2	40	253 9 11	45	238 3 8	3							
3	· · · ·	**********	mm	********	3							
5	† FT.	FT. IN. PA. 8.	\$ FT.	FT. IN. PA. S.	3							
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3	1	9 0 10	.1	1 5 2 6	3							
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		T	SI	DE	29 IN			-	SI	DE	294	IN.
	ELN	ig.	F	T. 1	IN. P	A .	LAN	G.		Т.	IN. F	4.
	3 -	1	-	5 1	0 1	-	-	1	-	5 1	1 1	- 3
	-	2	1	1 1	8 2			2	1	01	0 1	2
	2	3	i	7	6 3			3	i	7	9 10	1 2
	ξ.	4	2	3	4 4			4	2	3	0 5	
	3 .	5	2	9	2 5			5	2	9	8 8	12
	\$ 1	6	3	5 1	0 6		1	8	3.	5	7 8	
		7	4	0 1	0 7			7	4	1	7 0	1 2
-		8	4	6 1	8 8		1 8	3	4	7 (	5 4	13
-		9_	5	5 0	5 9		1 5	9	5	3 6	5 8	13
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3	16		01		3		10		05	0	0	12
2	17		00	3	5		17		101	0	0	12
25	18		105	1	6		18			11	4	12
3	19		110	II	7		19		112	10	7	3
3	20		116	9	8		20		118	9	11	12
3	21		122	7	9		21		124	9	2	18
3	22		128	5	10	1	22		130	8	6	15
3	23		134	3	11		23		136	7	9	19
\$	24		140	2	0		24		42	7	1	13
:	25		146	0	1		25	11	48	6	5	13
3	26		151	10	2		26		54	5	8	18
3	27		157	8	3		27		60	5	0	13
\$	28		163	6	4	1	28	1.5	66	4	3	15
3	29		168	4	-5		29		72	3	7	i
3	30		175	2	0		30		78	2	10	2
3	30		160	10	6		31		01	-	0	13
\$	33		102	10	0	1	32	11	00	0	0	3
3	34		198	6	10		34	2	02	0	1	13
	35		204	4	11	1	35	2	07	11	4	15
	36	15	015	3	0	1	36	2	13	10	8	5
3	37	15	216	1	1	I	37	2	19	9	11	12
2	38	15	125	11	2 .	T	38	2	25	9	3	2
\$	39	18	227	9	3		39	2	31	8	6	2
3	40	18	233	7	4		40	2	37	7	10	13
ŝ	41	12	39	5	5		41	5	43	7	5	3
11	42	12	45	3	6		42	2	19	6	5	200
1	43	2	51	1	7		43	2	55	5	9	13
	44	2	00	11	8		44	20	10	0	0	11
	40	2	02	8	9		45	20	57	4	4	
1	FT.	F	r. 1)	i, P.	1. 8.	+	FT.	FT	. 18	. P.	. 8.	1
1	+	1	5	6	3	1	+	1	5	9	9	3
1	专	2	11	0	. 6		1	2	11	7	6	2
	*	4	4	6	9		4	4	5	5	3	1
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ine noi		SIDE 291 IN.		SIDE 293 IN.	see as
~~~	FT. LNG.	FT. IN. PA.	LNG.	FT. IN. PA.	in a ser
\$	1	6 0 6	1	6 1 0	5
3	9	12 1 0	9	12 3 8	3
ş	0	18 1 8	2	16 6 2	3
2	0	10 1 0	0	10 0 0	3
ŝ	4	29 2 1	4	24 7 0	3
3	-5	30 2 7	5	30 8 9	3
5	6	36 3 1	6	36 10 6	ŝ
3	7	42 3 7	7	43 0 3	2
3	8	48 4 2	8	49 2 0	5
ŝ	9	54 4 8	9	55 3 9	3
\$	10	60 5 2	10	61 5 6	3
3	11	66 5 8	11	67 7 3	5
3	19	72 6 3	19	73 9 0	:
3	10	70 6 0	10	70 10 0	3
٤	13	64 7 2	13	80 0 6	3
3	14	00 7 0	14	01 0 0	2
3	15	00 7 9	15	8 2 30	\$
ŝ	16	90 8 4	16	98 4 1	ł
2	17	102 8 10	17	104 5 10	3
ξ.	18	108 9 4	18	110 7 7	2
3	19	114 9 10	19	116 9 4	\$
3	20	120 10 5	20	125 11 1	3
٤.	21	126 10 11	21	129 0 10	3
3	22	132 11 5	22	135 2 7	3
3	23	138 11 11	23	141 4 4	3
£	24	145 0 6	24	147 6 1	3
ŝ.	25	151 1 0	25	153 7 10	3
3	26	157 1 6	26	150 9 7	2
3	27	163 9 0	07	165 11 4	2
٤	20	160 2 7	00	172 1 1	
3	20	175 2 1	90	179 9 10	3
ş	20	101 9 7	28	191 4 7	2
3	30	181 3 4	30	184 4 7	2
ž	51	107 4 1	31	100 0 4	2
3	32	193 4 8	32	190 8 2	2
2	33	199 5 2	33	202 9 11	2
3	34	205 5 8	34	208 11 8	3
3	35	211 6 2	35	2:5 1 5	-
2	36	217 6 9	36	221 3 2	3
3	37	223 7 3	37	227 4 11	1
3	38	229 7 9	38	233 6 8	-
2	39	235 8 3	30	239 8 5	
3	40	241 8 10	40	245 10 2	2
3	41	247 9 4	41	251 11 11	2
3	42	253 9 10	42	258 1 8	1
1	43	259 10 4	+3	264 3 5	1
3	44	265 10 11	44	270 5 2	
1	45	271 11 5	45	276 6 11	l
\$	10	15- Weineren	erre		I
eres.	\$ FT.	FT. IN. PA. 8	\$ FT.	FT. IN. PA. S.	
2	*	1 6 1 6	1	1 6 5 3	
22	1 1	3 0 3 0	1	3 0 10 6	
2	1 in	4 6 4 6	1 2	4 7 3 9	
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- 5		10.10-10									_
		SIE	E 3	0 IN			S	DB	30	1	N.   2
	FT.	- P		. PA	ĭ	FT	· /~··	RT	~~~	N. P.	~
			2	0	÷			0		2	-13
		1 12	8	0				12	3	B	13
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3	4	25	ō	0		4	1 :	2.5	5	Ő	18
2	5	31	3	0		5	1 3	31	9	3	1:
2	6	37	6	0		6	1 3	38	1	6	13
3	7	43	9	0		7	4	14	5	9	15
3	8	50	0	0	1	8	1 3	50	10	0	13
3	9	56	3	0	1	1 19	1 3	7	2	3	13
ž	10	62	6	0		10	16	33	8	6	13
3		05	9	0		11	0	19	10	9	13
3	12	10	3	0	1	12		0	3	2	12
3	13	87	B	0	i	13	0	0	4	B	3
ş	115	93	8	0		14	l å	5	3	8	12
ş	18	100	ő	ő		10	10	ŭ.	8	ĭ	13
3	17	106	3	õ		17	1 10	8	ŏ	4	12
ş	18	112	-6	0		18	11	4	4	7	13
ş	19	118	9	0	ł	19	12	0	8	10	13
ş	20	125	0	0	1	20	12	7	1	1	12
ŝ	21	131	3	0		21	13	3	5	4	15
÷.	22	137	6	0	Н	22	13	9	9	7	13
ş.	28	143	9	0	1	23	114	6	1	10	13
ş	24	150	0	0	1	24	15	ζ.	6		12
ş.	25	150	3	0	IJ	25	15	51	0	2	12
٤.	05	102	0	0	н	20	17	2	Ř	10	13
ž.	27	17.5	0	ő	1	28	1 17	7 I	1	10	15
ž	20	181	3	õ	Ш	29	18	: .	3	4	13
5	30	187	6	0	1	30	190	)	7	7	18
3	31	193	9	0	Ш	31	190	3 1	i.	10	13
3	32	200	0	0	11	32	203	3	4	2	12
3	33	206	3	0	ll	33	209	)	8	5	13
ş.,	34	515	6	0	H	34	216	3	0	8	13
3	35	218	9	0	1	35	555	2	4	11	15
ş	36	225	0	0	ł	36	228	5	9	ž	1 E
31	37	231	-3 a	0		31	232		Į.	0	1
3	20	213	0	0		20	217		0	ů	15
31	40	250	0	0		40	2.55		2	2	12
31	41	256	3	õ		41	260		ē.	5	ż
31	43	262	8	0		42	266	1	ō	8	12
٤i	43	268	9	0	k	43	273		81	Ĥ.	13
5	44	275	0	0		44	279		7	2	12
ŝ	45	281	3	0		45	283	1	I	5	3
3	~~~~	101111	****	~~~	1	· · · ·		~^^	***	~~~	3
Į.	Fr.	FT. IN	• PA	. 8.	1	PT.	FT.	IN.	PA	. s.	2
ž	4	1 8	9	0		+	1	7	0	9	3
5	1	3 1	6	0		2	3	2	1	6	2
11	+1	4 8	3	0	L	1	4	9	8	3	3

-	\$										
\$	Sine 301 Iv      Sine 203 T										
2		SIDE 30% IN.		SIDE 304 IN.	18						
3	FT.	********	FT.	mmmmm	١٤						
3	LNG.	FT IN. PA.	LNG.	FT. IN. PA.							
ŝ	1	6 5 6	1	6 6 9	3						
ŝ	2	12 11 0	2	13 1 7	12						
3	3	19 4 6	3	10 8 4	15						
ż	1	25 10 1	4	28 3 9	3						
ž	5	32 3 7	5	20 0 11	ż						
3	1 0	20 0 1	0	20 4 0	:						
3	0	40 0 1	0	09 4 9	3						
3	1	10 0 1	7	45 11 0	3						
2	8	01 8 2	8	52 0 4	3						
ş	9	38 1 8	8	59 1 2	3						
3	10	64 7 2	10	65 7 11	3						
3	11	71 0 8	11	8 5 27	\$						
ž	12	77 6 3	12	78 9 6	3						
3	13	83 11 9	13	85 4 4	3						
ž	14	90 5 3	14	91 11 1	2						
5	15	96 10 9	15	98 5 11	٤						
\$	16	103 4 4	16	105 0 9	ş						
3	17	109 9 10	17	111 7 6	3						
3	18	116 3 4	18	118 2 4	ş.						
1	19	122 8 10	10	124 0 1	3						
\$	20	129 2 5	20	131 3 11	٤.						
3	21	135 7 11	21	127 10 9	3						
3	22	142 1 5	00	144 5 0	ŝ.						
3	22	149 0 11	22	144 0 0	ž.						
2	91	140 0 11	23	151 0 3	5						
2	64	100 0 0	24	151 7 1	3						
ŝ	20	101 0 0	25	164 1 11	٤						
	20	107 11 6	26	170 8 8	٤.						
\$	27	174 5 0	27	177 3 6	3						
3	28	180 10 7	28	183 10 3	ŝ.						
٤I	29	187 4 1	29	190 5 1	٤.						
3	30	193 9 7	30	196 11 10	\$						
\$	31	200 3 1	31	203 6 8	ş.						
31	32	206 8 8	32	210 1 6	£						
	33	213 2 2	33	216 8 3	٤						
٤.	34	219 7 8	34	223 3 1	2						
3	35	226 1 2	3.5	229 9 10	ξ.						
31	36	232 6 9	36	236 4 8	\$						
5	37	239 0 3	37	242 11 5	3						
3	38	245 5 9	38	249 8 3	2						
3	39	251 11 3	30	256 1 0	5						
ş.	40	258 4 10	40	262 7 10							
٤.	41	264 10 4	41	280 9 8	ş.						
3	42	271 3 10	42	275 9 5							
3	43	277 9 4	43	282 1 2	\$						
2	44	284 2 11	10	999 11 0 1	3						
ξÌ	45	200 8	44	905 5 10	3						
3	10		40	400 0 10	ž						
ŝ	1		in mark		5						
ŝ	1 PT.	FT. IN, PA. 8.	\$ FT.	FT. IN. PA. S.							
2	+	1748	4	17001	\$						
2	4	3 2 0 0	11	9 2 4 0	3						
3	+	4 10 1 8	21	411 0 0	3						
2	4 1	1010	- 4	411 0 91	2						

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	4.1.1.1	*************	~			*****		****	~~~~
		SIDE 31 IN		1		SID	Е З	141	N.
ŝ	LNO	PT. IN. PA	~	L N	-	E	TI	N. P.	
	-		-		-	-			-11
1		0 8 1					5 .9	4	1
1	1 0	20 0 2		1 3		90	0	9	13
-	1	28 8 4		1		20		0	13
2	1	23 4 5				22	10	10	12
3	B	40 0 6		0		40	10	2	1
2	1 7	46 8 7		1 7		47	5	7	3
3	1 8	53 4 8		6		54	3	ò	12
3	9	60 0 9		0		61	0	5	13
3	10	66 8 10		10		67	9	9	13
3	11	73 4 11		11		74	7	2	3
3	12	80 1. 0		12		81	4	6	13
è	13	86 9 1		13		88	1	11	15
ş	14	93 5 2		14		94	11	3	12
3	15	100 1 3		15		101	3	8	3
ş	16	106 9 4		16		108	6	1	13
ì	17	113 5 5		17		115	3	5	13
ż	18	120 1 6		18		122	0	10	15
3	19	1 126 9 7		19		128	10	2	12
3	20	133 5 8		20		135	7	7	18
ŝ.	21	140 1 9	11	51		142	4	11	13
3	22	148 9 10		22	1	149	2	4	13
\$	23	153 5 11		23	ŀ	155	11	8	13
3	24	160 2 0	11	24		164	9	1	12
\$	2.5	166 10 1		25	L	169	6	6	18
3	26	173 6 2	Ш	26	E	176	3	10	3
ξ.	27	180 2 3	н	27	L	183	10	3	13
2	28	180 10 4		28	1	189	10	7	12
\$	29	200 2 6		29	L	203	2	4	12
	30	208 10 7	Ш	30	Ŀ	210	0	0	3
	31	212 6 6	Ш	31		217	0	9	3
	33	220 2 9		33		223	0	R	12
	34	226 10 10	11	34		230	6	11	12
	35	233 6 11	11	35		237	4	3	3
٤I	36	240 3 0		36		244	1	8 .	13
\$	37	246 11 1		37		2.50	11	0	13
	38	253 7 2		38		257	8	5	15
5	39	260 3 3		39		264	5	9	12.
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3	10	68 10 10	10	70	0	0	3
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3	23	158 5 9	23	161	0	1	3
3	24	165 4 6	24	168	0	1	2
3	25	172 3 2	25	175	0	1	3
3	26	179 1 10	26	182	0	1	3
R	27	186 0 6	27	189	0	1	13
3	28	192 11 3	28	196	0		12
3	29	199 9 11	29	203	0	1	2
- 2	30	200 8 7	30	210	0		13
- 3	131	210 0 0	31	0.94	0	1	15
3	32	220 0 0	32	231	0	2	3
3	30	234 3 4	21	238	ő	2	13
- 5	1 24	241 2 0	25	245	ŏ	2	15
200	30	248 0 9	1 36	2.52	0	2	12
2	37	254 11 5	1 37	259	0	2	13
200	38	261 10 1	38	266	0	2	12
2	39	268 8 9	39	273	0	2	13
100	40	275 7 6	40	280	0	2	
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ž	16	117	4	4	18	110	2	1	3
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5	20	146	8	5	90	149		7	15
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ş	22	161	4	5	22	183	10	4	12
\$	23	168	8	5	99	171	3	R	3
ş.	24	176	0	6	24	176	0	i	13
3	25	183	4	6	96	168	2	B	3
ž	26	190	8	6	98	103	7	10	3
3	27	198	0	6	97	2.11		3	3
3	28	205	4	7	28	208	B	7	3
ş.	20	212	8	7	20	216	0	ò	3
2	30	220	0	7	30	293	5	4	3
ž	31	227	4	7	21	220	10	a	3
ŝ	32	234	8	8	39	238	4	2	3
ž	33	242	0	8	33	245	0	6	3
ş	34	249	4	8	34	253	2	11	3
\$	3.5	256	8	8	35	260	8	3	15
ż	36	264	0	9	36	268	i	8	3
3	37	271	4	9	37	275	7	0	12
3	38	278	8	9	38	283	0	5	3
ş	39	286	0	9	39	290	5	9	2
3	40	293	4	10	40	297	11	2	12
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2	42	308	0	10	42	312	9	11	3
ž	43	315	4	10	43	320	3	4	13
5	44	322	8	11	44	327	8	8	13
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36     272     3     0     36     276     4       37     279     9     9     37     284     0     9       38     287     4     3     39     298     8     18       39     294     11     3     39     299     5     0       40     302     6     0     40     307     1     2       41     310     0     9     14     3     9     4	12
37     279     9     9     37     284     0     9       38     287     4     6     38     291     8     11       39     294     11     3     39     299     5     0       40     302     6     0     40     307     1     2       41     310     0     9     41     314     9     4	13
38     287     4     6     38     291     8     11       39     294     11     3     39     299     5     0       40     302     6     0     40     307     1     2       41     310     0     9     41     314     9     4	13
39     294     11     3     39     299     5     0       40     302     6     0     40     307     1     2       41     310     0     9     41     314     9     4	18
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42 317 7 6 42 322 5 5	3
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3	18	140 3 4	18	142 4 7	ż
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ŝ	23	179 2 11	23	181 11 2	ż
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\$	26	202 7 6	26	205 7 11	3
ş.	27	210 5 0	27	213 6 10	3
5	28	218 2 7	28	221 5 9	ŝ
ŝ	29	226 0 1	29	229 4 8	3
\$	. 30	233 9 7	30	237 3 7	3
3	31	241 7 1	31	245 2 8	ŝ
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ì.	33	257 2 2	33	261 0 5	ż
ŝ.	34	204 11 8	34	268 11 4	3
3	35	272 9 2	35	276 10 3	3
3	36	280 6 9	36	284 9 2	5
ž	37	288 4 3	37	292 8 1	ż
ž	38	296 1 9	38	300 7 0	ş
\$	39	303 11 8	39	308 5 11	3
3	40	311 8 10	40	318 4 10	3
3	41	319 6 4	41	324 3 9	3
3	42	327 3 10	42	334 2 8	2
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3	19		152	6	4		19		154	à	1	2
ž	20		160	6	8		20		162	11	i	12
3	21		168	7	0		21		171	0	10	3
3	22		178	7	4		22		179	2	7	5
3	23		184	7	8		23	1	187	4	4	2
3	24		195	8	0		24	1	195	6	1	13
3	25		200	8	4		25		203	7	10	3
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2	27		210	9	0		27		219	14	4	2
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è	29		210	10	0		29		230	2	10	5
į	31		248	10	4		31		029	4	7	2
ş	32		2.56	10	8	1	32		280	8	2	15
ş	33		264	11	0	11	33		268	0	11	13
ŝ	34		275	11	4	1	34		276	11	8	2
ŝ	35	1.1	280	11	8		35		285	1	5	12
3	36	4	289	0	0	1	36		293	3	2	2
ŝ	37	1	97	0	4		37		301	4	11	12
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$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2	19	157 0 6	19	159 3 11					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	20	165 3 9	20	167 8 7					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	21	173 6 11	21	176 1 2					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ξ.	22	181 10 1	22	184 5 10					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ŝ.	23	190 1 3	23	192 10 5					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	24	195 4 6	24	201 3 1					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	20	8 7 805	25	209 7 9					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	07	01 01 11 113	26	218 0 4					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ŝ	28	231 6 2	21	224 0 7					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	29	239 8 5	28 90	248 2 3					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	\$	30	247 11 7	30	251 6 10					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	31	256 2 9	31	259 11 6					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	32	264 6 0	32	268 4 2					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ş	33	272 9 2	33	276 8 9					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ż	34	281 0 4	34	285 1 5					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	35	289 3 6	35	293 6 0					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	- 36	297 6 9	36	301 10 8					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2	37	305 9 11	37	310 3 3					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ì.	38	314 1	38	318 7 11					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	39	300 7 6	39	321 0 8					
$\begin{array}{c} \begin{array}{c} \mathbf{r}_{1} \\ \mathbf{r}_{2} \\ \mathbf{r}_{3} \\ \mathbf{r}_{4} \\ \mathbf{r}_{3} \\ \mathbf{r}_{5} \\ \mathbf{r}_{4} \\ \mathbf{r}_{3} \\ \mathbf{r}_{5} \\ \mathbf{r}_{4} \\ \mathbf{r}_{3} \\ \mathbf{r}_{5} \\ \mathbf{r}_{1} \\ \mathbf{r}_{7} \\ \mathbf{r}_{7} \\ \mathbf{r}_{7} \\ \mathbf{r}_{7} \\ \mathbf{r}_{1} \\ \mathbf{r}_{1} \\ \mathbf{r}_{2} \\ \mathbf{r}_{2} \\ \mathbf{r}_{3} \\ \mathbf{r}_{4} \\$	200	41	236 10 9	40	342 0 10					
1     0     1     0     4     2     0     6     0     3     0     1     0     4     2     0     0     1     0     4     2     0     0     1     0     4     3     3     1     1     0     3     3     4     3     3     1     1     1     3     3     1     1     3     3     7     4     4     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3     3	2	42	347 1 10	41	352 2 6					
44     303     8     3     44     368     11     8       44     303     8     3     44     368     11     8       45     371     11     5     45     377     4       4     20     9     6     4     2     1     0       4     2     9     6     4     2     1     1     0       4     4     0     2     4     4     2     6     3     5     3	3	43	355 5 0	43	360 7 1					
$\begin{array}{c} 4 \\ 4 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\$	3	44	303 8 8	44	368 11 8					
Image: product of the state of the	3	45	371 11 5	4.5	377 4 4					
Image: Product of the state of the	see.	~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	som.	······································					
4     2     0     9     6     4     2     1     1     9       4     1     7     0     2     4     2     3     6       4     1     7     0     2     4     2     3     6       4     6     2     4     6     3     5     3	serv.	1 PT.	FT. IN. PA. 8.	₹ FT.	FT. IN. PA. 8.					
1 1 7 0 1 4 2 3 6   2 6 2 4 6 2 6 3 5 3	22	4	2096	54	2 1 1 9					
1 1 0 2 4 0 2 6 3 5 3	200	22	4 1 7 0	2	4 2 3 6					
	2	-	0 2 4 6		0 3 5 3					

90

	PT.	SIDE 35 IN.	PT.	SIDE 354 IN.
22	LNG.	FT. IN PA.	LNG.	PT. IN. PA.
ž		001		
3	1 .	17 0 0	1	17 2 1
3	2	17 0 2	2	20 10 7
2	0	23 0 3	0	24 0 0
3	4	34 0 4	+	34 0 2
2	5	42 6 5	5	43 1 8
ŝ	0	51 0 0	0	51 9 3
3	T	. 39 6 7	7	00 4 9
3	8	08 0 8	8	09 0 4
ę	8	78 8 9	9	17 7 11
3	10	85 0 10	10	80 3 5
ž	11	93 6 11	11	94 11 0
ż	18	102 1 0	12	103 6 6
3	13	110 7 1	13	112 2 1
3	14	119 1 8	14	120 9 7
5	15	127 7 3	15	129 5 2
\$	16	136 1 4	16	138 0 9
22	17	144 7 5	17	146 8 3
3	18	153 1 6	18	155 3 10
ż	19	161 7 7	19	163 11 4
;	20	170 1 8	20	172 6 11
3	21	178 7 9	21	181 2 5
1	22	187 1 10	22	189 10 0
3	23	195 7 11	23	198 5 6
2	24	204 2 0	24	207 1 1
ż	25	212 8 1	25	215 8 8
2	26	221 2 2	26	224 4 2
3	27	229 8 3	27	232 11 9
3	28	238 2 4	28	241 7 3
2	29	246 8 5	29	250 2 10
3	30	255 2 6	30	258 10 4
2	31	263 8 7	31	267 5 11
ŝ.	32	273 2 8	32	276 1 6
3	33	280 8 9	33	284 9 0
3	34	289 2 10	34	293 4 7
3	35	297 8 11	35	302 0 1
3	36	306 3 0	36	310 7 8
3	37	314 9 1	37	319 3 2
ž	38	393 3 2	38	327 10 9
3	30	331 0 3	30	336 6 3
	40	340 3 4	40	345 1 10
ŝ	11	348 0 5	41	353 0 5
	42	8 6 738	49	382 4 11
	42	885 0 7	43	371 0 6
2	13	274 2 9	LL GT	370 8 0
	44	202 0 0	44	300 3 7
	6.7	396 9 9	10	Non d 1
	4 F.	FT. IN. PA. 8.	f FT.	FT. IN PA. S.
2	+	2 1 6 3	+	2 1 10 6 13
	+	4 3 0 6	+	4 3 9 0
	1	6 4 6 9	-	6 5 7 6
	4			

*	10000	*******************		*****	
sere	-	SIDE 351 IN.	PT	SIDE 354 IN.	2000
200	LNO.	FT. IN. PA.	LNG.	FT. IN. PA.	520
2		8 0 0		8 10 0	2
3	1	17 0 0	1	17 0 0	3
2	5	17 0 0	2	11 9 0	3
5	3	20 3 0	3	0 1 05	ŝ
:	4	35 0 1	4	35 6 0	2
3	5	43 9 1	5	44 4 6	3
3	6	52 6 1	6	53 3 0	3
;	7	61 3 1	7	62 1 6	ž
ì	. 8	70 0 2	8	71 0 0	ŝ
2	9	78 9 2	9	79 10 6	3
2	10	87 6 2	10	88 9 0	2
3	11	96 3 2	11	97 7 6	2
3	12	105 0 3	12	106 6 0	3
-	13	113 9 3	13	115 4 6	2
3	14	122 6 3	14	124 3 0	2
2	15	131 3 3	15	133 1 6	3
3	16	140 0 4	16	142 0 1	3
3	17	148 9 4	17	150 10 7	2
3	10	157 6 4	10	159 9 1	3
-	10	166 3 4	10	168 7 7	3
3	19	175 0 5	20	177 8 1	3
ž	20	183 0 5	04	ISB A T	12
ŝ	21	102 6 5	00	105 2 1	2
-	22	201 2 5	22	204 1 7	3
3	23	210 0 8	23	212 0 1	3
3	24	10 0 0	24	991 10 7	
3	25	010 0 0	25	020 0 1	2
ž	26	0 0 100	26	230 9 1	3
2	27	230 3 0	27	239 7 7	3
3	28	245 0 4	28	248 0 1	3
3	29	253 9 7	29	257 4 7	2
3	30	262 6 7	30	266 3 1	3
3	31	271 3 7	31	275 1 7	18
ž	32	250 0 8	32	284 0 2	1
3	33	288 9 8	33	292 10 8	
\$	34	297 6 8	34	301 9 2	1
2	35	306 3 8	35	310 7 8	2
3	36	315 0 9	36	319 6 2	2
3	37	323 9 9	37	328 4 8	3
3	38	332 6 9	38	337 3 2	3
2	39	341 3 9	39	346 1 8	3
2	40	350 0 10	40	355 0 2	1
5	41	358 9 10	41	363 10 8	1
22	42	367 6 10	42	372 9 2	1
3	43	376 3 10	43	381 7 8	
3	44	385 0 11	44	390 6 2	
ż	45	393 9 11	4.5	399 4 8	
-	here	new manness		,	
	1 PT	FT. IN. PA. 8	4 FT	FT. IN. PA. S.	
3	4	2230	1 1	2276	
1	1 2	4 4 6 0	1 2	4 5 3 0	
	1 2	16690	1 4	16 7 10 6	
					-

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3		SIDE 36	In.		SIDE 36	IN.
3	FT.	******	***	FT.	PT IN	ne la
\$	LNG.	PT. 18.	PA.	LING.		FA.
3	1	9 0	0	1	9 1	6
2	2	18 0	0	2	18 3	0
ŝ	3	27 0	0	3	2.1 4	0
2	*	30 0	0	1	45 7	6
3	0	45 0	0	0	54 0	0
2	0	04 0	0	7	63 10	6
5	6	72 0	0	6	73 0	0
è	0	10 0	0	a	82 1	8
ż	10	00 0	0	10	91 3	0
3	10	00 0	0	11	100 4	B
3	12	108 0	0	13	109 6	0
5	12	117 0	0	13	118 7	6
2	14	128 0	0	14	127 9	0
20	15	135 0	0	15	136 10	6
3	16	144 0	ñ	16	146 0	1
	17	153 0	0	17	155 1	7
3	18	162 0	0	18	164 3	1
3	10	171 0	0	19	173 4	7
3	20	180 0	0	20	182 6	1
\$	21	180 0	0	21	191 7	7
3	22	198 0	0	22	200 9	1
3	23	207 0	0	23	209 10	7
\$	24	218 0	0	24	219 0	1
3	25	225 0	0	25	228 1	7
3	26	234 0	0	26	237 3	1
3	27	243 0	0	27	246 4	7
3	28	252 0	0	28	255 6	1
3	29	261 0	0	29	264 7	7
3	30	270 0	0	30	273 9	1
ŝ	31	279 0	0	31	282 10	7
\$	32	288 0	0	32	292 0	2
3	33	297 0	0	33	301 1	8
2	34	306 0	0	34	310 3	2
3	3.5	315 0	0	35	319 4	8
2	36	324 0	0	36	328 6	2
3	37	333 0	0	37	337 7	8
200	38	342 0	0	38	346 9	2
5	39	351 0	0	39	355 10	8
2	40	360 0	0	40	365 0	2
3	41	369 0	0	41	374 1	8
3	42	378 0	0	42	383 3	8
3	43	387 0	0	43	401 9	0
2	44	396 0	0	44	401 6	8
3	45	405 0	0	45	410 1	0
3	10000	mmm	·····	1		
3	4 FT.	FT. IN. F	A. 8.	3 FT.	PT. IN. I	A. 8.
2	+	230	0 (	1 1	2 3 .	4 6
2	1 1	4 6 (	) 0	1 3	4 6	0 0
	4	6 9 (	) 0	1 4	6 10	1 6
5	-					001100

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Se.	11100	****	1555	18880	111000	*****	see.	*****	
1000		SIDE	361	IN.		SIDE	36	In.	nen
2	FT.	*****			FT.			*****	13
:	LNG.	P1.	IN.	PA.	LAU.	- 11.	IN.	PA.	1
3	1	9	3	0	1	. 9	4	6	12
3	\$	18	6	0	2	18	9	1	13
\$	3	27	9	0	3	28	1	7	3
:	4	37	0	1	4	37	6	2	3
3	5	46	3	1	5	46	10	8	2
	6	55	0		6	36	3	3	12
3.	7	64	8	1	7	05	7	9	18
3	8	74	2	6	8	10	0		13
5	9	83	a	0	8	02	7	11	13
2	10	92	0	2	10	93	9	0	13
ż	10	101	0	00	19	112	a	0	3
3	10	120	3	2	12	121	11	1	13
3	13	120	0	2	10	121	11	-	
3	14	120	0	2	14	140	0	2	13
à	15	100	9	3	10	140	0	6	13
3	10	145	2	4	10	150	6	8	
\$	10	101	0	4	10	189	0	10	13
ì	10	175	0	4	10	178	2	10	
ż	19	110	9	4	19	167	0		15
2	20	10.1	2	5	20	100	11	11	13
3	99	203	B	5	29	204	14	0	
2	20	219	0	5	00	200	*	0	3
3	24	292	0	B	23	992	2	0	13
3	95	221	3	8	95	924	5	0	3
3	28	240	B	ß	28	213	10	9	13
3	27	240	0	6	27	253	2	õ	12
3	20	250	0	7	20	260	7	2	12
3	20	288	3	7	20	271	11	10	13
à	30	277	6	7	30	281	4	4	13
2	31	286	9	7	31	200	8	11	3
	32	296	0	8	32	300	I	B	2
3	38	30.5	3	8	32	309	B	0	13
3	34	314	. 6	8	34	318	10	7	12
3	35	323	9	8	35	328	3	i	13
2	36	333	0	9	36	337	7	8	3
3	37	342	3	9	37	347	0	2	12
	38	351	6	9	38	356	4	9	13
2	39	360	9	9	39	365	9	3	13
	40	370	0	10	40	375	1	10	15
	41	379	3	10	41	384	6	5	12
	42	388	6	10	42	393	10	11	2
3	43	397	9	10	43	403	3	6	13
3	44	407	0	11	44	412	8	0	
2	45	416	3	11	45	422	0	7	
-	*** 1.	1100-1	****	mm	1				-
	\$ PT	FT. 1	N. P	A. 8.	1 FT	FT.	IN. 1	PA. 8.	
	1 4	12	3 :	0 0	1 1	2	4	1 6	
	2	4	7	6 0	1 1	4	8	3 0	
	1 2	101	1	3 0	11 - 4	17	0	4 6	1
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A New Table

+		*****	****	****		*****	2
	PT.	SID	E 37	IN.	PT.	SIDE 374 IN.	
2	LNG.	FT.	IN.	PA.	LNG.	FT. IN. PA.	l
3	T	9	6	1	I	977	ł
3	2	19	0	2	2	19 3 3	l
5	3	28	6	3	3	28 10 10	l
3	4	38	0	4	4	38 6 6	l
3	5	47	6	5	5	48 2 1	l
3	6	57	0	6	6	57 9 9	l
2	7	66	6	7	7	67 5 4	l
3	8	76	0	8	8	77 1 0	1
3	9	85	6	9	9	86 8 8	1
5	10	95	0	10	10	90 4 3	2
2	11	104	0	11	11	105 11 11	ŝ
ŝ	12	114	1	0	12	115 1 0	3
3	13	123	1		13	123 3 2	ŝ
:	14	140	-	2	14	144 8 5	ž
3	10	152	1	4	10	154 2 1	ż
ŝ	10	161	7	5	17	163 0 8	3
3	10	171	i	8	19	173 5 4	ŝ
3	10	180	7	7	10	183 0 11	ŝ
3	20	190	i	8	20	192 8 7	ŝ
ż	21	199	7	9	21	202 4 2	3
ż	22	209	1	10	23	211 11 10	5
3	23	218	7	11	23	221 7 5	3
3	24	228	2	0	24	231 3 1	3
3	25	237	8	1	25	240 10 9	3
3	26	247	2	2	26	250 6 4	3
2	27	256	8	3	27	260 2 0	2
1	28	266	2	4	28	209 9 7	3
3	29	275	8	5	29	279 5 3	3
3	30	285	3	8	30	289 0 10	ŝ
3	31	294	8	7	31	298 8 0	3
2	32	304	8	8	36	305 4 2	ŝ
3	33	313	8	9	33	317 11 9	3
3	34	363	0	10	34	937 3 0	5
5	35	242	2	0	20	313 10 8	3
2	27	351	9	i	37	356 6 3	ŝ
2	20	361	3	2	38	366 1 11	3
3	.30	370	9	3	39	375 9 6	5
3	40	380	3	4	40	385 5 2	2
2	41	389	9	5	41	375 0 10	-
3	43	399	3	8	42	404 8 5	3
3	43	408	9	7	43	414 4 1	
20	44	418	3	8	44	423 11 8	ş
3	45	427	9	9	45	433 7 4	ŝ
3		150010	~~~	****	1010.	*****	3
2000	₹ PT.	PT. 12	К. Р.	A. S.	\$ PT.	FT. IN. PA 8.	see.
100	4	2 4	6	3	1	2 4 10 9	5
	12	4 9	0	6	2	4 9 9 6	3
	2	7 1	6	9	3	7 2 8 3	1

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~~~~		SIDE 37 IN.		SIDE 374 IN.	202
3	PT.	1010101010100	FT.	manning	ž
3	LNG.	FT IN. PA	LNG.	FT. IN PA.	3
3	1	992	1	9 10 9	ş
ż	2	19 6 4	2	19 9 6	ż
ŝ	3	29 3 6	3	29 8 3	ž
ş	4	39 0 9	4	39 7 0	ş
ş	5	48 9 11	5	41 5 9	ş
3	8	58 7 1	6	59 4 6	ŝ
ž	7	68 4 3	7	69 3 3	ŝ
Ś	8	78 1 6	8	79 2 0	ž
3	9	87 10 8	9	89 0 9	ŝ.
3	10	97 7 10	10	98 11 6	ŝ.
5	11	107 5 0	11	108 10 3	ş
5	12	117 2 3	12	118 9 0	3
ż	13	126 11 5	13	128 7 9	ş.
3	14	136 8 7	14	138 6 6	ž
3	15	148 5 9	15	148 5 3	3
3	16	156 3 0	16	158 4 1	ŝ.
5	17	166 0 2	17	168 2 10	ŝ.
3	18	175 9 4	18	178 1 7	ŝ.
ŝ	19	185 6 6	19	188 0 4	ŝ.
3	20	195 3 9	20	197 11 1	ξ.
ŝ	21	205 0 11	21	207 9 10	3
ŝ	22	214 10 1	22	217 8 7	٤.
3	23	824 7 3	23	227 7 4	3
ş.	24	234 4 6	24	237 6 1	3
ŝ.	25	244 1 8	25	247 4 10	2
ş	26	253 10 10	26	257 3 7	ξ.
ŝ	27	263 8 0	27	267 2 4	ŝ.
\$.	28	273 5 3	28	277 1 1	ξ.
ŝ	-58	283 2 5	29	286 11 10	2
٤.	30	292 11 7	30	296 10 7	ź.
3	31	302 8 9	31	308 9 4	ŝ.
5	32	312 6 0	32	316 8 2	ŝ
3	33	322 3 2	33	328 8 11	5
ŝ	34	332 0 4	34	336 5 8	ŝ.
3	35	341 9 6	35	346 4 5	Ś
3	36	351 6 9	36	358 3 2	ŝ
5	37	301 3 11	37	366 1 11	5
2	38	311 1 1	38	378 0 8	5
ŝ	39	380 10 3	39	385 11 5	2
3	40	390 7 8	40	395 10 2	ŝ
3	41	400 4 8	41	405 8 11	Ş
2	42	410 1 10	42	415 7 8	i.
ż	43	419 11 0	43	425 6 5	3
5	44	409 8 3	44	435 5 2	ž
3	45	438 5 5	45	445 3 11	ź
3	1				3
2	7 PT.	FT. IN. PA. 8.	\$ FT.	FT. IN. PA. 8.	;
3	+	2 5 3 8	+	2 5 8 3	ž
3	1	4 10 7 0	3	4 11 4 6	ż.
3.	1	7 3 10 6	41	7 5 0 9	ş

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	Second and a second								
	1	SIDE 38 IN	H	SIDE SEL TH	13				
	FT.		FT.	SIDE 007 IN.					
	LNG	FT. IN. PA.	LNG.	FT. IN. PA.	13				
		10 0 4		10 1 11	13				
	1	10 0 4	1 1	10 1 11	13				
1	2	20 0 8	2	20 3 10	13				
	3	30 1 0	3	30 5 9	1				
1	4	40 1 4	4	40 7 8	3				
3	5	50 1 8	5	50 9 7	13				
3	6	60 2 0	6	60 11 6	3				
3	7	70 2 4	7	71 1 5	3				
3	8	80 2 8	8	81 3 4	2				
3	9	90 3 0	9	91 5 3	13				
3	10	100 3 4	10	101 7 2	12				
3	11	110 3 8	11	111 9 1	3				
3	12	120 4 0	12	121 11 0	5				
ż	13	130 4 4	13	132 0 11	1				
3	14	140 4 8	14	142 2 10	ż				
-	15	150 5 0	15	152 4 9	2				
3	16	160 5 4	16	162 6 9	2				
3	17	170 5 8	17	172 8 8	3				
3	18	180 6 0	18	182 10 7	3				
3	19	190 6 4	19	193 0 6	3				
3	20	200 6 8	20	203 2 5	3				
2	21	210 7 0	21	213 4 4	ŝ.				
3	22	220 7 4	22	223 6 3	2				
3	23	230 7 8	23	233 8 2	ż				
3	24	240 8 0	24	243 10 1	ŝ.				
3	25	250 8 4	25	254 0 0	\$				
3	28	260 8 8	28	264 1 11	ŝ				
3	27	270 9 0	27	274 3 10	3				
3	28	280 9 4	28	284 5 9	ž.				
3	20	290 9 8	29	294 7 8	ŝ.				
\$	30	300 10 0	30	304 9 7	3				
3	21	310 10 4	31	814 11 6	3				
3	20	320 10 8	30	325 1 8	ξ.				
2	32	330 11 0	33	335 3 5	5				
3	24	310 11 4	34	345 5 4	3				
3	24	250 11 9	2:	345 7 2	ş.				
3	20	301 0 0	36	385 0 9	ž				
3	27	371 0 4	37	375 11 1	ŝ.				
2	20	201 0 0	20	356 1 0	2				
3	20	301 1 0	30	396 2 11	3				
	10	401 1 4	40	408 4 10	5				
3	40	401 1 4	40	418 8 0	1				
3	-19	491 9 0	41	428 5 5	£				
3	42	431 2 4	49	436 10 7					
ŝ	13	441 2 9	44	447 0 8	1				
3	45	451 8 0	15	457 2 5					
ŝ	10	101 0 0	10	summer and					
	1 PT	FT IN PA.S.	AFT	FT. IN. PA. S.	ŝ				
3	4 . 1.								
	+	2610	4	2 6 5 9					
	12	5020	2	5 0 11 6					
ŝ	41	7 6 3 0	3	7753					
è.	~~~~	*************		~~~~~~~~	b.				
÷.	10000	*****		*****	- 45				
-----	--------	---------------	--------	-----------------------------------	------				
201		SIDE 384 IN.		SIDE 384 IN.					
2	FT.	****	FT.						
ŝ	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.					
ş	1	10 3 6	1	10 5 1	l				
ž	2	20 7 0	2	20 10 3	2				
ŝ	3	30 10 6	3	31 3 4	1				
ŝ	4	41 2 1	4	41 8 6	1				
3	5	51 5 7	5	52 1 7					
1	6	61 9 1	6	62 6 9					
2	7	72 0 7	7	72 11 10					
:	8	82 4 2	8	83 5 0					
ŝ	9	92 7 8	9	93 10 2	B				
ş	10	102 11 2	10	104 3 3					
ş.	11	113 2 8	11	114 8 5					
\$	12	123 6 3	12	125 1 6					
3	13	133 9 9	13	135 6 8					
3	14	144 1 3	14	145 11 9	B				
2	15	154 4 9	15	150 4 11					
3	16	104 8 4	16	166 10 1					
3	17	174 11 10	17	177 3 2					
\$	18	185 3 4	18	187 8 4					
2	19	195 6 10	19	198 1 5					
ž	20	205 10 5	20	208 6. 7					
ş.	21	216 1 11	21	218 11 8	E				
3	22	226 5 5	22	229 4 10					
3	23	236 8 11	23	239 9 11					
ş.	24	247 0 6	24	250 3 1					
3	2.5	257 4 0	25	260 8 3					
ŝ.	26	267 7 6	26	271 1 4					
ŝ.	27	277 11 0	27	281 6 6					
3	28	288 2 7	28	291 11 7	B				
٤.	29	588 6 1	29	302 4 9	l				
3	30	308 9 7	30	312 9 10					
ż	31	319 1 1	31	323 3 0					
ż	32	329 4 8	32	333 8 2					
3	33	339 8 2	33	344 1 3					
3	34	349 11 8	34	354 6 5	l				
3	35	300 3 2	35	304 11 6	1				
3	36	370 6 9	36	375 4 8					
3	37	380 10 3	37	385 9 9					
3	38	391 1 9	38	398 2 11	1				
3	39	401 5 3	39	406 8 0	l				
20	40	411 8 10	40	417 1 2	l				
3	41	422 0 4	41	427 8 4					
2	42	136 3 10	42	437 11 5					
3	13	446 7 4	+3	448 4 7					
200	44	402 10 11	44	458 9 8					
5	45	403 2 5	45	409 2 10					
-	1-								
3	\$ PT.	PT. IN. PA. 8	\$ PT.	FT. IN. PA. S.					
22	4	2 6 10 6	1	2733					
3	1 2	5190	1 1	0 2 6 6					
20	1 2	17876	1 4	7999	1				
100				statement and another supervision					

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A							
	FT.	SIDE 39	IN.	FT.	SIDE	394	IN.
-	LNG.	FT. IN	PA.	LNG.	FT	. IN.	PA.
-	-	10 6	0		10	8	4
3	2	21 1	6	2	21	4	9
- 5	3	31 8	3	3	32	1	1 1
3	4	42 3	0	4	42	9	8
3	5	52 9	9	5	53	51	0
3	6	63 4	6	6	64	2	3
3	7	73 11	3	7	74	10	7
3	8	84 6	0	8	85	7	0
3	9	95 0	9	9	96	3	5
3	10	105 7	6	10	106	11	9
2	111	116 2	3	11	117	8	2
ź	12	126 9	0	12	128	4	6
3	13	137 3	9	13	139	01	-
3	14	147 10	0	14	149	9	3
3	15	138 3	0	10	171	0	2
ż	10	109 0	0	10	161	10	- 1
3	10	100 1	6	18	192	8 1	0
3	10	200 8	3	19	203	3	2 3
2	20	211 3	0	20	213	11	7
ŝ	21	221 9	9	21	224	71	1 3
3	22	232 4	6	22	235	4	4 3
3	23	243 11	3	23	246	0	8 3
ş	24	253 6	0	24	256	9	1 2
2	25	264 0	9	25	267	5	6 2
3	26	274 7	6	26	278	1 1)	0 3
3	27	285 2	3	27	288	10 .	3 . 3
ŝ	28	295 9	0	28	299	6	7 3
ž	29	306 3	9	29	310	3	0 2
ş	30	316 10	6	30	320	11 .	4 3
5	31	327 5	3	31	331	7	9 3
\$	32	338 0	0	32	342	4	2 3
2	33	348 6	9	33	303	0 1	5 3
\$	34	300 9	2	25	274	6 1	3
ž.	20	309 8	0	36	365	1 1	
3	37	300 0	9	37	39.5	10	2 3
2	38	401 4	6	38	406	8	5 2
3	39	411 11	3	39	417	2 5	3 3
3	40	422 6	0	40	427	11 4	2 3
3	41	433 0	9	41	438	7 1	IZ
3	42	443 7	6	42	449	3 1	1 3
2	43	454 2	3	43	460	0 .	+ 3
5	44	464 9	0	44	470	8 8	5 2
ì.	45	475 3	9	45	481	5	1 20
22	*****	min		11000	~~~		5 ~~
See.	\$ FP.	FT. IN. PA	. 8.	f FT.	FT. 12	· PA.	5.
3	+	2 7 8	3	4	2 8	1	0 3
§.	- 2	5 3 4	6	2	5 4	2	0 5
3	4	7 11 0	9	3	8 0	3	0
-							1 1 1 1 1 A

					13
-		SIDE 394 IN.		SIDE 303 IN	1
3	PT.	101010 10101100	PT.	contraction of the	
3	LNG	FT. IN. PA	LNG.	FT. IN. PA.	
3	1	10 10 0		-10 11 8	
5	2	21 8 0	2	21 11 4	B
3	1 3	32 6 0	3	32 11 0	
ż	1	43 4 1	4	43 10 8	
3	5	54 2 1	5	54 10 4	
3	6	85 0 I	8	85 10 0	
8	7	75 10 1	~	76 0 8	
\$		86 8 2	0	07 0 1	
3	0	07 8 9	0	00 0 0	12
ź	10	108 4 2	10	100 8 8	3
3	11	110 2 2	10	120 8 4	3
3	12	130 0 8	11	120 0 4	3
ŝ	12	140 10 2	12	131 0 0	13
3	15	140 10 3	13	146 1 0	2
3	114	100 0 0	14	100 7 0	12
ŝ	10	100 0 0	15	104 1 0	3
ş	10.	101 9 4	16	110 0 0	13
\$	16	105 0 4	17	186 0 3	3
5	10	201 10 4	18	197 0 1	1
ş	19	210 10 1	19	208 5 9	3
3	20	410 8 3	50	219 5 5	
2	21	221 0 0	121	230 5 1	12
5	22	23N 4 0	22	241 4 9	3
ž	23	249 2 5	23	252 4 5	2
ş	24	260 0 6	24	263 4 1	3
3	25	270 10 0	25	274 3 9	2
3	26	281 8 6	26	285 3 5	3
ŝ.	27	292 0 0	27	296 3 1	2
2	28	303 4 7	28	307 2 9	ż
ŝ	29	314 2 7	29	318 2 5	3
3	30	325 0 7	30	329 2 1	3
ŝ	31	335 10 7	31	340 1-9	ş
\$	32	346 8 8	32	351 1 6	3
ž	33	357 0 8	33	362 1 2	ż
ż	34	308 4 8	34	373 0 10	ş
ŝ	35	379 2 8	35	384 0 6	3
2	30	300 0 9	38	395 0 2	3
3	37	400 10 9	37	405 11 10	3
2	38	411 8 9	38	416 11 6	2
2	39	422 6 9	39	427 11 2	2
2	40	433 4 10	40	438 10 10	3
3	41	444 2 10	41	449 10 6	3
ş.	42	455 0 10	42	460 10 2	3
ž	43	465 10 10	43	471 9 10	3
	44	476 8 11	44	482 9 6	3
2	4.5	487 6 11	45	493 9 2	3
2	**	**********	****	199999111199999	3
Sec.	\$ FT.	FT. IN. PA. S.	‡ FT.	FT. IN. PA. S.	2000
2	4	2 8 8 0	4	2 8 11 0	2
	1/2	5 5 0 0	5	5 5 10 0	3
	-	8 1 6 0	- Ale	8 2 9 0	22
à.	NAN			0 0 1	3

13		~~, v	~~~~	~			1010	~~~	see
		Su	or 4	0 In		SIDE	: 40	ŧ D	
	FT.	UT UT	12	 D 4	I PT.	WT.	· · · ·	DA	~
		-							÷
1				4		11	3	0	
3	3	22	4	õ	1 3	23	0	0	
1	4	44		4	4	3.5	ő	0	
1	5	5.5	6	8	1 5	56	3	ő	
3	6	66	8	0	6	67	6	õ	13
3	7	1 77	9	4	1 7	78	9	0	
2	8	88	10	8	8	90	0	0	
3	9	100	0	0	9	101	3	0	13
-	10	111	- 1	4	10	115	6	0	13
ž	111	122	2	8	1 11	153	9	0	15
Ś	12	133	4	0	1 12	135	0	0	12
2	13	144	5	*	13	140	3	0	13
3	15	135	6	0	14	1.57	0	0	13
2	1 IA	100	0	4	1 18	108	0	1	12
ŝ	17	1 1 4 4	10	8	10	101	3	1	13
ł	IN.	200	0	0	1 18	202	6	÷	13
ş	19	211	ĭ	4	19	213	8	÷	15
ż	20	222	2	8	20	225	0	i	13
ŝ	18	233	4	0	21	236	3	1	13
ŝ	22	244	5	4	1 22	247	6	Ł	15
ž	23	255	6	9	23	258	9	1	12
ŝ	24	266	8	0	24	270	0	1	13
ž	25	277	.9	4	25	281	3	1	13
ŝ	26	285	10	8	28	282	8	÷.	12
ş	27	300	0	4	27	303	8	4	13
\$	20	311	4	2	20	328	2	1	13
ì	30	333	4	õ	30	337	8	1	12
Ł	31	344	5	4	31	348	9	i i	12
ş.	32	355	6	8	32	360	0	2	13
ş	33	364	8	0	33	371	3	2	15
ì	34	377	9	4	34	382	6	2	12
3	35	388	10	8	35	393	9	8	13
\$	36	400	0	0	36	405	0	\$	13
2	37	411	1	4	37	416	3	2	12
Ś.	38	422	2	8	35	427	0	2	12
3	39	433	4	4	10	435	9	5	3
5	41	444	B	8	41	481	3	2	5
ŝ	42	438	8	0	42	472	B	2	i
ş	43	477	9	4	43	483	8	2	3
3	44	498	10	8	44	495	õ	2	12
ŝ	45	500	0	0	45	506	3	8	12
ŝ		~~~~	~~~~	1010	~~~	~~~~~	~~~	~~~	8
222	14 \$	PT. 13	N. P/	. s.	\$ PT.	FT. IN	• PA	. s.	2000
5	1	2 9	4	0	1	2 9	9	0	>
21	*	5 8	8	0	2	5 7	6	0	ž
ξl	- 1	8 4	0	01	1 1	8 3	3	0	2

*	11100	*****	*****	*****	1
2000		SIDE 401 IN.		SIDE 404 IN.	erer.
3	FT.	PT IN DA	FT,	PT IN DA	200
3	DAG.	F1. 18. FA.	LINU.		2
2		11 4 8	_ 1	11 6 4	2
\$	2	22 9 4	2	23 0 9	3
3	3	34 2 0	3	34 7 1	3
ŝ	4	45 6 9	4	46 1 6	1
3	5	56 11 5	5	57 7 10	3
1	6	08 4 1	6	69 2 3	1
3	7	79 8 9	7	80 8 7	ł
1	8	91 1 6	8	92 3 0	3
:	9	102 0 2	9	103 9 5	l
3	10	113 10 10	10	115 3 9	1
3	11	125 3 6	11	126 10 2	3
ŝ	12	136 8 3	12	138 4 6	1
\$	13	148 0 11	13	149 10 11	1
3	14	159 5 7	14	161 5 3	1
2	15	170 10 3	15	172 11 8	ß
3	16	182 3 0	16	184 6 1	1
3	17	193 7 8	17	198 0 5	1
3	18	205 0 4	18	207 6 10	l
3	19	216 5 0	19	219 1 2	1
3	20	227 9 9	20	230 7 7	3
ž	21	239 2 5	21	242 1 11	l
3	22	250 7 1	22	253 8 4	1
3	23	261 11 9	23	265 2 8	1
ş	24	273 4 6	24	276 9 1	į,
\$	25	284 9 2	25	288 3 6	į,
3	26	296 1 10	26	299 9 10	l
ż	27	307 6 6	27	311 4 3	l
3	28	318 11 3	28	322 10 7	1
3	29	330 3 11	- 29	334 5 0	l
3	30	341 8 7	30	345 11 4	1
3	31	353 1 3	31	357 5 9	1
ź	32	364 6 0	32	307 0 2	1
3	33	375 10 8	33	380 6 8	1
3	34	387 3 4	34	392 0 11	8
3	35	398 8 0	35	403 7 3	
3	36	410 0 9	36	415 1 8	
2	37	421 5 5	37	426 8 0	l
3	38	432 10 1	38	438 2 5	
3	39	444 2 9	39	449 8 9	
200	40	455 7 6	40	461 3 2	
3	41	467 0 2	41	472 9 7	
3	42	478 4 10	42	484 3 11	
3	43	489 9 6	43	495 10 4	I
2	44	501 2 3	44	507 4 8	
3	45	512 6 11	45	518 11 1	
3	- ** **	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	****	· ····································	
· ····	\$ FT.	FT. IN. PA. 8.	4 FT	FT. IN. PA. 8,	
3	1	2 10 2 0	1 1	2 10 7 0	
3	1 2	5 8 4 0	1 2	5920	
2	1 \$	18660	1 4	8790	I
10					

\$	\$						
31		SIDE 41 IN.		SIDE 411 IN.	202		
31	FT.	mommon	PT.	monion	l		
3	LNG.	FT. IN. PA	LNG.	FT, 1N. PA.	l		
3	1	11 8 1	1	11 9 9	l		
\$	2	23 4 2	2	23 7 7	l		
3	3	35 0 3	3	35 5 4	l		
3	4	48 8 4	4	47 3 2	l		
\$	5	58 4 5	5	59 0 11	3		
3	6	70 0 8	6	70 10 9	3		
3	7	81 8 7	7	82 8 6	3		
3	8	93 4 8	8	94 6 4	5		
\$	9	105 0 9	9	106 4 2	3		
2	10	116 8 10	10	118 1 11	3		
ŝ	H	128 4 11		155 11 8	3		
2	12	140 1 0	12	141 9 6	3		
3	13	151 9 1	13	153 7 4	1		
5	14	183 5 2	14	165 5 1	2		
2	15	175 1 3	15	177 2 11	1		
ŝ	16	180 9 4	16	189 0 9	ŝ		
ż	17	198 5 5	17	200 10 6	3		
3	18	210 1 6	18	212 8 4	2		
3	19	221 9 7	19	224 6 1	2		
3	20	233 5 8	20	236 3 11	2		
3	21	245 1 9	21	248   8	3		
2	22	258 9 10	22	259 11 6	1		
3	23	268 5 11	23	271 9 3	3		
\$	24	280 2 0	24	253 7 1	3		
3	25	291 10 1	25	295 4 11	2		
1	26	303 6 2	26	307 2 8	3		
5	27	315 2 3	27	319 0 6	3		
ž	28	326 10 4	28	330 10 3	3		
ş	29	338 6 5	29	342 8 1	3		
3	30	350 2 6	30	354 5 10	3		
3	31	361 10 7	31	366 3 8	2		
3	32	373 6 8	32	378 1 6	3		
2	33	385 2 9	33	389 11 3	2		
ž	34	396 10 10	34	401 9 1	3		
3	35	408 6 11	35	413 6 10	200		
3	36	420 3 0	36	425 4 8	ŝ		
3	37	431 11 1	37	437 2 5	ż		
2	38	443 7 2	38	449 0 3	k		
	39	455 3 3	39	460 10 0	3		
3	40	466 11 4	40	472 7 10	ŝ		
3	41	478 7 5	41	484 5 8	3		
3	42	490 3 6	42	498 3 5	5		
ž	43	501 11 7	43	508 1 3	1		
3	44	513 7 8 1	44	519 11 0	ß		
3	45	525 3 9	45	531 8 10	l		
5	~~~~	*****	1 more		ľ		
ŝ	\$ FT.	FT. IN, PA. 8.	\$ FT.	FT. IN. PA. S.			
3	+	211 0 3	1	211 5 3			
2	1	5 10 0 6	1	5 10 10 6	ł		
5	4	8909	1	8 10 3 9	I		
2					1		

	\$ 1015.	************	*****	***********	-3
	PT.	SIDE 411 IN.	PT	SIDE 414 IN.	
	LNG	FT IN PA	LNG.	FT. IN. PA.	3
			1	12 1 2	1
	2	23 11 0	2	24 0 8	3
-	3	35 10 6	1 3	36 3 0	3
-	4	47 10 1	4	48 5 0	3
1	5	59 9 7	5	60 6 3	1
1	6	71 9 1	6	72 7 6	13
-	7	83 8 7	7	84 8 9	12
-	8	95 8 2	8	96 10 0	3
3	9	107 7 8	9	108 11 3	3
3	10	119 7 2	10	121 0 8	3
-	11	131 6 8	11	133 1 9	2
	15	143 6 3	12	145 3 0	3
3	13	155 5 9	13	157 4 3	3
3	14	167 5 3	14	169 5 6	5
200	15	179 4 9	15	181 6 9	2
2	16	191 4 4	16	193 8 1	ŝ
\$	17	203 3 10	17	205 9 4	ż
3	18	215 3 4	18	217 10 7	3
ş	19	227 2 10	19	229 11 10	3
3	20	239 2 3	20	242 1 1	3
ş	20	900 1 6	21	254 2 4	ŝ
ź	22	275 0 11	22	206 3 7	ş
3	24	207 0 0	23	218 4 10	3
3	25	200 0 0	24	290 0 1	ş
5	20	310 11 0	20	302 7 4	3
ž	97	3/2 11 0	20	222 0 10	ž
ş	28	334 10 7	28	339 11 1	ş
ş	29	346 10 1	20	351 0 4	ş
5	30	358 9 7	30	363 1 7	3
ŝ	31	370 9 1	31	375 2 10	ŝ.
3	32	382 8 8	32	387 4 2	3
3	33	394 8 2	33	399 5 5	3
ŝ	34	406 7 8	34	411 6 8	ş
ŝ	35	419 7 2	35	423 7 11	ž
ş	36	430 6 9	36	435 9 2	2
3	37	442 6 3	37	447 10 5	3
ş	38	454 5 9	38	459 11 8	ş
ş	39	466 5. 3	39	472 0 11	ž
1	40	478 4 10	40	484 2 2	ş
ż	41	490 4 4	41	496 3 5	3
2	42	303 3 10	42	508 4 8	3
ž	43	514 3 4	43	520 5 11	ş
2	45	11 2 856	44	532 7 2	2
3	GF	038 2 5	45	544 8 5	5
10000	‡ FT.	FT. IN. PA. S.	+ FT.	FT. IN. PA. S.	
3	+	2 11 10 8	+	3 0 3 0	
3	支	5 11 9 0	-	6078	
ş	4	8 11 7 6	-	9 0 11 3	
÷	100000	N DA DA DA DA DA DA DA			

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A New Table

the second second second second second second second									
	100	SIDE	\$ 40	IN.	1	SIDE	42	4 IN	1
- 5	FT.	anno		*****	PT.	10000		· ····	
-	LNG	. FT.	UN-	PA.	LNG	PT	. IN	PA.	
1	1	51 1	3	0	1	12	4	8	13
3	2	24	6	0	2	24	8	4	
3	3	38	9	0	3	37	2	0	2
3	4	49	0	0	4	49	6	8	18
3	5	61	3	0	1 5	61	11	4	13
5	6	73	6	0	6	1 74	4	0	12
ž	7	85	8	0	7	86	8	8	13
ž	8	98	0	0	8	99	1	4	13
3	9	110	3	0	9	111	6	0	13
ŝ	10	122	6	0	10	1:23	10	8	12
3	11	134	9	0	11	136	3	4	Z
ŝ	13	147	0	0	12	148	8	0	3
2	13	139	3	0	13	161	0	8	100
2	14	171	6	0	114	173	5	4	3
3	15	183	9	0	15	185	10	0	12
3	16	196	0	0	16	198	5	8	12
2	17	208	3	0	17	210	7	5	13
ş	18	220	0	0	18	223	0	1	13
3	19	232	9	0	19	235	4	8	13
2	20	245	0	0	20	247	9	5	3
3	21	257	3	0	121	260	2	1	13
ž	22	269	6	0	22	272	6	8	12
ž	23	281	9	0	23	284	11	5	ŝ
3	84	294	0	0	24	297	4	1	13
3	25	308	3	0	25	309	8	8	13
\$	26	318	8	0	26	322	1	0	15
ŝ	27	330	8	0	27	334	0	1	13
ş	28	3+3	0	0	28	340	10	9	3
3	29	300	3	0	29	359	0	3	3
3	30	367	0	0	30	371	8	1	3
3	31.	319	8	0	31	354	0	8	5
ŝ	00	334	0	0	33	108	10	0	15
\$	21	418	R	0	94	421	2	10	13
3	35	498	0	0	35	193	7	8	3
ŝ	36	441	0	0	36	446	ò	2	5
2	37	453	3	0	37	4.58	4	10	2
3	38	485	6	0	38	470	9	6	3
2	39	477	8	0	39	483	2	2	3
ŝ	40	490	0	0	40	495	6	10	3
ž	41	502	3	0	41	507	11	6	2
3	42	514	6	0	42	520	4	2	3
2	43	526	9	0	43	532	8	10	3
5	44	539	0	0	44	545	1	6	5
22	4.5	551	3	0	45	557	6	5	2
2	****	*****	***	****	10.00	*****	~~~	erers	3
1111	‡₽r.	FT. IN	. P/	. s.	FT.	FT. 13	N. P.	A. S.	2000
2	+	3 0	9	0	+	3 1	2	0	212
S.	1	6 1	6	2	1	8 2	4	0	2
2	*	9 2	3	0	+	9 3	6	0	
ð.,	21100	mon	nor		~~~~~	erere.	1111	1110	-

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3		Sine 121 Is	1	Sine 428 To 1	-
2	FT.	SIDE 102 IN.	PT.	SIDE 153 IN.	ŝ
3	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.	2
ş	1	12 6 6	1	12 8 3	3
3	2	25 1 0	2	25 4 7	
ŝ	3	37 7 6	3	38 0 10	\$
3	4.	50 2 1	4	50 9 2	ŝ.
3	5	62 8 7	5	63 5 5	3
3	6	75 3 1	6	76 1 9	ž
3	7	87 9 1	7	88 10 0	ş.
1	8	119 10 9	8	101 0 4	3
3	9	196 5 9	9	114 2 8	ş.
3	10	137 11 9	10	120 7 2	ż
3	12	150 6 3	11	159 2 8	ŝ.
3	13	163 0 0	10	184 11 10	ş
ş	14	175 7 3	14	177 8 1	3
3	15	188 1 9	15	100 4 5	2
3	18	200 8 4	18	203 0 0	ŝ.
3	17	213 2 10	17	215 9 0	ŝ
ŝ	18	225 9 4	18	228 5 4	ŝ.
3	19	238 3 10	19	241 1.7	ş.
2	20	250 10 5	20	253 9 11	ž
\$	21	263 4 11	21	266 6 2	ŝ.
ż	22	275 11 5	22	279 2 6	ş.
3	23	288 5 11	23	291 10 9	٤
3	24	301 0 6	24	304 7 1	ŝ
3	25	313 7 0	25	317 3 5	ŝ
3	26	326 1 6	26	329 11 8	ş.
3	27	338 8 0	27	342 8 0	ş.
3	28	351 2 7	28	355 4 3	ž
3	29	363 9 1	29	308 0 7	ξ.
3	30	310 3 7	30	380 8 10	ž
3	20	401 4 0	31	393 5 2	ŝ
3	20	412 11 0	32	406 1 8	ž
ŝ	34	428 5 9	33	418 9 9	ŝ.
ž	35	430 0 2	25	451 0 1	ş.
3	36	451 6 9	36	456 10 8	ş
3	37	464 1 3	37	469 6 11	ŝ.
3	38	476 7 9	38	482 3 3	ş.
3	39	489 2 3	39	494 11 6	£.
ŝ	40	501 8 10 1	40	507 7 10	ş
3	41	514 3 4	41	520 4 2	3
3	42	526 9 10	42	533 0 5	ŝ
5	43	539 4 4	43	545 8 9	5
â	44	551 10 11	44	558 2 0	ŝ
3	45	564 5 5	45	571 1 4	22.0
3		**********	*****		ŝ.
3	\$ PT.	FT. IN. PA. 8	A FT.	FT IN. PA. S.	22
3	+	3 1 7 6	+	3 2 0 9	
	1	6330	1	8418	3
2	1 2	9 4 10 6	1 4	9 6 2 3	3
ΞŔ.					5

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$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		PT.	SIDE	43 I.N	I PT.	SIDE	44	1 1 N	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		LNG	. FT. 1	IN. PA	LNG	PT.	13	. PA	. 1
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		1 1	121	0 1	1	12	11	10	- 3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1	2	25	8 2	2	2.5	-ii	9	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		3	38	6 3	3	39	11	7	12
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		4	51	4 4	4	51	11	6	12
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	-	5	64	2 5	5	64	11	4	13
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1	6	77	0 6	6	77	11	3	12
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	-	7	89 1	0 7.	1 7	90	11	1	12
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1	8	102	8 8	8	103	11	0	13
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1	9	115	6.9	9	116	10	11	13
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	10	158	4 10	10	155	10	9	15
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	11	141	8 11	11 1	142	10	8	12
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	15	154	1 0	12	155	10	0	13
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	13	100 1	1 1	13	168	10	5	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	14	179	8 2	14	181	10	3	13
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	~~~	15	192	1 3	15	104	10	2	12
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	16	205	5 4	18	207	10		13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	117	215	3 5	17	033	9	11	13
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	1 18	231	1 0	18	910	8	10	15
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	1 90	0 640 1		19	950	9	7	13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5	20	281	7 0	20	07.2	9	6	13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ž	0.0	209	5 10	101	285	0	1	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ž	08	205	3 11	00	208	0	2	15
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ż	25	321 (	ňĭ	25	324	0	ò	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	28	333 10	2	26	337	8	10	13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	27	346 8	3	27	350	8	9	13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	28	359 6	3 4	28	363	8	7	iż
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ž	20	373 4	5	29	310	8	6	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	30	385 \$	8	30	359	8	4	13
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	z	31	398 (	) 7	31	402	8	3	13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	32	410 10	8 (	32	415	8	2	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	33	423 8	1 9	33	428	8	0	12
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ž	34	436 6	3 10	34	441	7	11	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ż	35	449 4	11	35	454	7	8	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	36	462 3	8 0	36	407	7	8	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	37	475 1	1	37	480	7	6	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ž	38	487 11	2	38	493	7	5	1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ż	39	500 8	3	30	506	7	3	13
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	40	313 1	4	40	519	7	2 .	15
4 5         307         3         0         42         345         11           43         552         1         7         43         553         10           44         517         43         553         9         10           44         517         9         45         537         9           45         377         9         45         537         9           45         377         9         45         534         6           4         304         1         8         4         571         6         8           4         5         377         9         45         534         6         7           4         32         4         77         10         10         8           4         32         4         32         11         6         16         6           2         9         9         45         32         11         6         8         6         10         6         10         6         10         6         10         6         10         6         10         6         10         6         10 <t< td=""><td>5</td><td>41</td><td>520 5</td><td>5</td><td>41</td><td>532</td><td>1</td><td></td><td>2</td></t<>	5	41	520 5	5	41	532	1		2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ž	+3	559 3	0	42	610	0	10	3
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4         5         0         4         3         0         1	ş	11	677 0	0	45	594	R	7	5
Image: Price of the p	3	10	~~~~~	man	10	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~	inene	3
4         3         2         6         3         4         3         2         11         6           1         6         5         0         6         4         6         5         11         0           3         0         7         8         9         3         0         8         10         6		1 FT.	FT. IN.	PA. 8.	\$ FT.	FT. IN	. P.	4. 8.	~~~
	3	4	3 2	6 3	1	3 2	11	6	2
3 0 7 8 0 3 0 8 0 8 6	20.2	2	8 5	0 6	1 1	6 5	11	0	3
1 1 0 1 0 0 11 1 0 0 10 0 16	2	- 1	9 7	6 9	*	9 8	10	6	2

	town		~~~~~	*****	s all
		SIDE 431 IN		SIDE 433 IN	122
	S FT	RT IN DA	FT.	PTINO	18
	2		-	P1. 18 PA.	13
		13 1 8		18 8 6	2
	3 8	30 5 0	1 3	20 1 0	13
	4	52 8 0	0	59 9 0	13
	\$ 5	65 8 5	5	88 5 8	18
	6	78 10 1	6	79 9 0	15
1	7	91 11 9	1 7	93 0 6	12
1	8	105 1 6	8	108 4 0	18
1	9	118 3 2	9	110 7 6	13
1	10	131 4 10	10	132 11 0	13
ł	11	144 6 6	11	146 2 6	18
1	12	157 8 3	12	159 6 0	13
1	13	170 0 11	13	172 9 6	12
3	19	185 11 7	14	186 1 0	ŝ.
1	10	1 191 1 3	15	199 4 6	3
3	17	223 4 8	10	225 11 7	3
3	18	236 6 4	10	230 2 1	15
ž	19	240 8 0	10	252 8 7	3
ż	20	262 9 9	20	205 10 1	\$
5	21	275 11 5	21	279 1 7	3
2	22	289 1 1	22	292 5 1	ş.
ŝ	23	302 2 9	23	305 8 7	ŝ.
	24	315 4 6	24	310 0 1	ŝ.
ş	25	328 6 2	25	332 3 7	3
	28	341 7 10	26	345 7 1	ş.
ŝ	21	1 354 9 6	27	358 10 7	ŝ.
ş	20	367 11 3	28	372 2 1	ş.,
3	30	204 9 8	29	385 5 7	3
ŝ	31	403 4 9	30	398 9 1	5
ŝ	32	420 3 0	31	412 0 7	ξ.
ŝ.	33	433 7 8	23	434 7 0	3
ŝ	34	446 9 4	34	451 11 2	ş
ŝ	35	459 11 0	35	465 2 8	è.
2	36	473 0 9	36	478 6 2	į.
Ş.	37	488 2 5	37	491 9 8	2
ŝ.	38	499 4 1	38	505 1 2	ş.
ŝ.	39	512 5 9	39	518 4 8	ξ
Ş.	*41	525 7 8	40	531 8 2	£
2	49	551 10 10	41	544 11 8	Į.
ŧ,	43	585 0 B	42	558 3 2	1
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	\$ FT.	FT, IN. PA. 5.	‡ FT.	FT. IN. PA S.	
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Į	-21	A 10 3 0	41	0 11 7 6 1	
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ŝ		SIDE 44 IN.	H	SIDE 444 IN.	ł	
3	PT,	*****	FT	mannin		
ż	LNG.	PT. IN. PA-	LNG.	FT. IN. PA.	l	
3		13 5 4	1	13 7 2	R	
3	2	26 10 8	2	27 2 4	3	
ŝ	3	40 4 0	3	40 9 6	3	
3	4	53 9 4	4	54 4 8	2	
ž	5	67 2 8	5	67 11 10	2	
ž	6	80 8 0	6	81 7 0	ż	
÷	7	94 1 4	7	. 95 2 2	3	
3	1 8	107 6 8	8	108 9 4	Ś	
3	9	121 0 0	9	122 4 6	3	
ŝ	10	134 5 4	10	135 11 8	ŝ	
ŝ	11	147 10 8	i ii	149 6 10	ż	
ż	12	161 4 0	12	163 2 0	3	
ż	13	174 9 4	13	176 9 2	3	
3	14	188 2 8	14	190 4 4	3	
3	15	201 8 0	15	203 11 6	2	
3	16	815 1 4	16	217 6 9	ŝ	
ž	17	228 6 8	17	231 1 11	\$	
ŝ	18	242 0 0	18	244 9 1	ŝ	
3	19	255 5 4	19	258 4 3	ş	
3	20	268 10 8	20	271 11 5	ş	
ŝ	21	282 4 0	21	285 6 7	ŝ	
ž	22	295 9 4	22	299 1 9	ş	
ŝ.	23	309 2 8	23	312 8 11	ŝ.	
ş	24	322 8 0	24	326 4 1	ŝ	
ş.	2.5	336 1 4	25	339 11 3	ş	
3	26	349 6 8	26	353 6 5	ş	
\$	27	363 0 0	27	367 1 7	ŝ	
ŝ.	28	376 5 4	28	380 8 9	ž	
\$	29	389 10 8	29	394 3 11	Ş.	
3	30	403 4 0	30	407 11 1	3	
ş.	31	416 9 4	31	421 6 3	Ş.	
ş	32	430 2 8	32	435 1 6	3	
ŝ.	33	443 8 0	33	448 8 8	3	
ŝ	34	457 ] 4	34	462 3 10 ;	ź	
3	3.5	470 6 8	35	47.5 11 0	ŝ.	
ş.	36	484 0 0	36	489 6 2	ξ.	
3	37	497 5 4	37	503 1 4	ş.	
2	38	510 10 8	38	518 8 6	5	
	39	524 4 0	39	530 3 8	ž	
3	40	·537 9 4	40	543 10 10	ŝ	
51	41	551 2 8	41	557 6 0	2	
5	42	564 8 0	42	571 1 8	3	
ż	43	578 1 4	43	584 8 4	5	
3	44	591 6 8	44	598 3 6	ž	
3	45	605 0 0	45	611 10 8	ž	
3		~~~~~~~~~~	a	******	2	
2000	\$ FΤ.	PT. IN. PA. 8.	ĴFΤ.	FT. IN. PA. S.	1	
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2	10140		1.4.	ra.	LINC	7. 11	. IN	PA.	
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ì	3	41	3	0	3	41	8	7	
ż	4	55	0	I	4	55	7	B	
ş	5	68	9	- i -	5	80	R	4	
3	B	82	B	i	R	00	5	2	
3	7	0.0	3		1 7	00	0	1	
ş	6	110	0	0		01	*	0	
ş	0	100	0	2	0	111	3		1
ŝ	10	123	9	2 Q	9	135	1	11	1
ž	10	137	0	Z	10	139	0	8	
ż	1 10	151	3	2	11	152	11	8	1
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ş	13	178	9	3	13	180	9	5	L
ş	14	195	8	3	14	194	8	3	ł
2	15	206	3	3	15	208	7	2	1
ş	16	-250	0	4	16	222	6	1	1
ì	17	233	9	4	17	236	4	11	k
ŝ	18	247	6	4	18	250	3	10	
ŝ	19	261	3	4	19	264	2	8	
ş	20	275	0	5	20	278	1	7	
3	21	288	9	5	21	292	0	5	
ş	22	302	6	5	22	305	11	4	
ş	23	316	3	5	-23	319	10	2	
Ş.	24	330	0	6	24	333	0	ĩ.	
ş	25	343	9	6	25	347	8	ò	l
ł	26	357	8	6	26	981	0	10	
Į.	27	371	3	B	97	275	0	0	
٤.	28	385	0	7	28	290	0	7	
2	29	308	0	7	20	102	4	6	
2	30	412	a	~	20	403	3	0	
	31	428	3	7	21	414	2	*	13
	32	4.10	0		90	451	1	0	
	22	442	0	0	36	440	0	2	1
	24	487	0	0	33	408	11	0	3
	95	491	0	2	34	472	8	11	2
	38	40.5	0	0	35	456	8	8	3
	27	500	0	0	30	500	7	8	3
	20	200	9	8	37	514	6	8	3
	20	520	0	8	38	328	5	5	2
	40	030	3	9	39	542	4	3	3
	40	000	0 1	0	40	556	3	2	3
	10	303	9 1	0	41	570	2	1	3
	40	511	6 1	0	42	584	0	11	2
	43	591	3 1	0	43	597	11	10	3
	44	605	0 1	1	44	611	10	8	3
	Cr.	018	8 1	1	45	625	9	7	ŝ
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	J FT.	FT. IN	• PA	. 8.	\$ FT.	FT. 13	N. PA	. S.	202
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14	\$1010101010101010111111111111111111111									
		SIDE	45	IN.		SIDE	45	IN		
ż	FT.	101011			FT.	mm				
ŝ	LNG.	FT.	IN.	PA.	LNG.	FT	. 1N.	PA.		
3	1	14	0	9	1	14	3	7		
3	2	28	+	6	-2	88	5	3		
3	3	42	2	3	3	42	7	10		
2	4	56	3	0	4	56	10	6	12	
ż	5	70	3	9	5	71	1	1	13	
3	6	84	4	6	6	85	3	9		
\$	- 7	98	5	3	7	99	6	4 -	13	
3	8	112	6	0	8	113	9	0	13	
2	9	126	6	9	9	127	11	8		
3	10	140	7	6	10	143	2	3	13	
3	11	154	8	3	11	1.56	4	11		
5	12	168	9	0	12	170	7	6	3	
2	13	182	9	9	13	184	10	5	3	
2	14	196	10	6	14	199	0	9	1	
3	15	210	11	3	15	213	3	5	3	
3	16	225	0	0 -	16	227	-6	1	13	
3	17	239	0	9	17	241	8	8	3	
2	18	253	1	6	18	255	11	4	1	
2	19	267	2	3	19	270	1	11	3	
2	20	281	3	0	20	284	4	7	3	
3	21	295	3	9	21	298	7	2	1	
1	22	309	4	6	22	313	9	10	15	
5	23	323	5	3	23	327	0	5	1.2	
2	24	337	6	0	24	341	3	1	ŝ	
3	25	.351	6	9	25	355	5	9	3	
3	26	365	7	6	26	369	8	4	3	
3	27	379	8	3	27	383	11	0	3	
3	28	393	9	0	28	398	1	7	3	
2	29	407	9	9	29	413	4	3	3	
3	30	421	10	6	30	420	0	10	3	
3	31	435	11	3	31	440	9	6	3	
3	32	450	0	0	32	455	0	2	3	
3	33	464	0	9	33	409	-	0	2	
2	34	478	1	0	34	483	0	0	3	
3	35	492	8	3	35	401	10	0		
3	36	506	3	0	30	290	1	2	3	
3	37	520	3	0	20	540	3	11	2	
2	28	549	1	0	30	554	8	a	3	
2	38	048	0	0	40	589	0	9	3	
3	10	500	0	0	10	562	11	in	3	
3	41	500	4	8	12	507	2	5	3	
3	12	804	0	9	43	611	5	i	2	
2	14	618	0	0	44	625	7	8	3	
2	45	632	9	0	45	639	10	4		
	10-10	13 + 1 25	~~~~	m	11.00	111510		in	3	
	₫ FP.	PT. 12	. P.	A. S.	4 FT.	FT, I	N. P.	A. S.	see.	
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									- 14	

x								
200		SIDE 46 1	N.		SIDE	46	In.	
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ž	2	44 1		2	4.4	0	0	
3	0	0 93	4	0	50	6	0	
3	7	73 5		3	74	3	3	
2	6	68 2		B	80	i	B	
5	7	102 10	4	7	103	ii.	9	
ž	ė	117 6		8	118	10	0	
ŝ	0	132 3 1	o I	0	133	8	3	
3	10	148 11	4	10	148	6	6	
3	11	161 7 1		11	163	4	9	
\$	12	176 4 (	0	12	178	3	0	
2	18	191 0	4	13	193	I	3	
1	14	205 8	8	14	207	11	6	
3	15	220 5	0 -	15	222	9	9	
3	18	235 1	4	16	237	8	ĩ	
-	17	249 9 1	8	17	252	6	4	1
3	10	264 6 (		18	267	4	7	
3	10	279 2 4	4	19	282	2	10	
2	20	293 10	8	20	297	1	1	
3	21	308 7 (		21	311	11	4	
3	22	323 3	4	22	326	9	7	
\$	23	337 11 1	8	23	341	7	10	
à	24	352 8 (		24	356	6	1	
3	25	867 4 4	1	25	371	4	4	1
5	28	382 0 8	3	28	386	2	7	
3	27	398 9 (		27	401	0	10	1
3	28	411 5 1	.	28	415	11	1	1
3	20	428 1 8	3	20	430	9	4	
2	30	440 10 0		30	445	7	7	3
ŝ.	31	455 6 4	.	31	460	5	10	1
3	32	470 2 8	3	32	47.5	4	2	1
3	33	484 11 0		33	490	2	5	
\$	34	499 7 4	1	34	50.5	0	8	l
3	35	514 3 8	3	35	519	10	11	2
3	36	529 0 0		36	534	9	2	1
3	37	543 8 4	1	37	549	7	5	3
3	38	558 4 8	3	38	564	5	8	3
5	39	573 1 .(		39	579	3	11	3
2	40	587 9 4	1	40	594	2	2	2
3	41	602 5 8	5 1	41	609	0	5	3
3	42	617 2 0		42	623	10	8	3
5	43	631 10 4		43	638	8	11	2
3	44	646 6 8	3	44	653	7	2	3
3	45	661 3 0		45	668	5	5	1
3	11.00		~~	11-11		***		1
10000	‡ FT.	FT. IN. PA.	.8.	₹ FT.	FT. 1	N. P.	A. S.	100.00
3	+	3 8 1	0	+	3 8	6	9	R
3	1	7 4 2	0	1	7 5	1	6	1
500	4	11 0 3	0	4	11 1	8	3	1
21								- 2

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		SIDE	461	In.	PT	SIDE	46	In.	~~~~
31	LNG.	FT.	IN.	PA.	LNG.	FT.	IN.	PA.	ž
21		10	0	0		14	9	-	18
٤١	1	15	0	-	1	10	~	1	18
	2	30	0	4	2	50	4	3	3
31	3	40	0	0	0	40	0	*	13
\$1	4	00	0	9	4	00	10	0	13
31	3	10	0	11	5	10	10	1	13
ŝ	6	90	1	1	6	91	0	9	13
ŝ	7	105	1	3	7	108	2	10	3
3	8	120	1	6	8	121	0	0	12
3	9	13.5	1	8	9	136	7	2	13
3	10	150	1	10	10	151	9	3	3
3	11	185	2	0	11	166	н	5	13
3	12	180	2	3	12	182	1	6	13
\$	13	195	2	5	13	197	3	8	13
3	14	210	2	7	14	212	5	9	13
3	15	225	2	9	15	227	7	11	13
ž	16	240	3	0	16	242	10	1	ź
\$	17	255	3	8	17	258	0	2	
3	18	270	3	4	18	273	2	4	13
ŝ	19	285	3	6	19	288	4	5	13
ş	20	300	3	9	20	303	6	7	1
3	21	315	3	11	21	318	8	8	13
ş	22	330	4	1	22	333	10	10	13
3	23	345	4	3	23	349	0	11	1
ŝ	24	360	4	6	24	364	3	1	1
5	25	375	4	8	25	379	5	3	13
ž	26	390	4	10	26	394	7	4	
ż	27	405	5	0	27	409	9	6	
3	28	420	5	3	28	424	11	7	
ş	20	435	5	5	29	440	1	9	
5	30	4.50	5	7	30	455	3	10	
3	31	465	5	9	31	470	6	0	
ż	32	480	6	0	32	455	8	2	
3	33	495	6	2	33	500	10	3	
3	34	510	6	4	34	516	0	5	
\$	35	525	6	6	35	531	2	6	
ż	36	540	6	9	36	546	4	8	
ž	37	555	6	11	37	561	6	9	
3	38	570	7	1	38	576	8	11	
3	30	585	7	3	30	501	11	0	
3	40	600	7	6	40	607	1	2	
3	41	615	7	8	41	622	3	4	
3	42	630	7	10	42	637	5	5	
-	43	845	8	0	43	8.5%	7	7	
	44	660	8	3	44	667	9	8	
	45	87.5	8	5	45	882	11	10	
1	100	· horas			1 10	- mm			~
	1 F	T. FT.	IN.	PA. S	+ F	r. FT.	IN.	PA. 8	
	2 1	3	9	0 6	1	3	9	6 3	
	5 1	17	6	1 0	1	17	7	0 6	1
	3 1	111	3	1 6	1	11	4	6 8	1
	2'-								

-	proprieta and a second s									
	PT	SIDE 47 IN.	PT	SIDE 471 IN.	1000					
3	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.	l					
3				10 0 0	12					
ŝ	1	15 4 1	1	13 0 0	1					
ž	2	30 8 2	2	31 0 1	3					
ŝ	3	46 0 3	3	48 8 1	13					
3	4	81 4 4	4	2 0 28	13					
3	5	76 8 5	5	77 8 2	18					
ŝ	8	92 0 6	6	93 0 3	3					
\$	7	107 4 7	7	108 6 3	13					
ž	8	122 8 8	8	124 0 4	ß					
ŝ	9	138 0 9	9	139 6 5	13					
ż	10	153 4 10	10	155 0 5	2					
3	11	168 8 11	11	170 8 8	ł					
3	12	184 1 0	12	186 0 6	1					
3	13	199 5 1	13	201 6 7	3					
5	14	214 9 2	14	217 0 7	3					
3	15	230 1 3	1.5	232 6 8	3					
ż	18	245 5 4	16	248 0 9	3					
ż	17	260 9 5	17	263 6 9	3					
3	10	276 1 6	18	279 0 10	3					
3	10	901 5 7	10	294 6 10	Ş					
\$	20	308 9 8	20	310 0 11	Ş					
ŝ	91	322 1 0	21	825 6 11	3					
3	99	227 5 10	99	341 1 0	3					
\$	92	352 9 11	23	356 7 0	3					
3	23	200 9 0	2.1	372 1 1	3					
3	64	202 8 1	96	347 7 2	;					
ŝ	40	208 10 9	98	403 1 2	3					
3	20	414 9 2	07	418 7 3	ż					
2	61	414 6 8	20	124 1 2	3					
ŝ	20	411 10 5	90	410 7 4	ŝ					
3	20	444 10 0	20	405 1 4	ż					
ş	30	400 2 0	30	480 7 5	ŝ					
3	51	100 10 0	21	408 1 8	ż					
3	30	490 10 8	36	400 1 0	ş					
ŝ.	33	500 2 9	33	527 1 7	3					
\$	34	521 0 10	64	517 4 4	3					
3	33	000 10 11	30	9 1 923	5					
5	38	050 3 0	30	573 7 8	2					
2	37	602 11 2	31	660 1 0	2					
2.	38	535 11 2	38	801 7 0	ŝ					
2	39	598 3 3	39	400 1 10	1					
3	40	013 7 4	40	020 1 10	3					
3	41	028 11 5	41	050 111	ş					
	4.5	044 3 6	42	001 1 11	3					
2	43	059 7 7	43	000 8 0	2					
2	44 .	674 11 8	+4	082 2 0	3					
2	4.5	690 3 9	45	097 8 1	302					
2		······································	10000		3					
à.	\$ FF.	FT. IN. PA. S.	J PT.	PT. IN PA. S.	200					
3	+	3 10 0 3	+	3 10 6 0	2.					
3	1	7 8 0 6	1	7 9 0 0	3					
\$	i	11 6 0 9	1	11 7 6 0	2					
5	-				-2					

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2000	-	SIDE 47 1 IN.	1	SIDE 474 IN.	122
202	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.	3
ž		10 0 0		14 10 0	12
ž		13 8 0	1	15 10 0	13
ż	1 5	31 4 0	2	31 9 0	lż
ź	3	47 0 0	3	47 6 0	
\$	4	62 8 1	4	63 4 0	13
\$	5	78 4 1	5	79 2 0	
3	6	94 0 1	B	95 0 0	13
ź	7	109 8 1	7	110 10 0	
3	0	195 4 9		120 0 0	13
5	0	141 0 9	0	149 0 0	15
3	8	119 0 0	8	140 0 0	15
3	10	150 8 6	10	138 4 0	15
3	11	178 4 8	111	174 2 0	13
3	15	188 0 3	12	190 0 0	13
3	13	203 8 3	13	205 10 0	Z
3	14	219 4 3	14	221 8 0	12
3	15	235 0 3	1.5	237 6 0	Ĩ
3	18	250 8 4	16	253 4 1	
3	17	268 4 4	17	280 9 1	12
2	18	282 0 4	10	285 0 1	3
£	10	207 8 4	10	200 10 1	3
ż	20	212 1 6	10	210 0 1	3
3	00	910 7 9	20	310 8 1	3
3	15	369 0 3	21	333 6 1	3
ş	22	344 8 3	55	348 4 1	3
ş	53	300 4 5	23	364 2 1	ŝ
\$	24	376 0 6	24	380 0 1	ž
ŝ	25	391 8 6	25	395 10 1	ŝ
3	26	407 4 6	26	411 8 1	\$
ž	27	423 0 6	27	427 6 1	3
ž	28	438 8 7	28	443 4 1	3
\$	29	454 4 7	20	459 2 1	3
3	30	470 0 7	30	475 0 1	\$
3	31	485 8 7	21	400 10 1	ŝ
3	39	501 4 8	00	600 0 0 0	ž
3	30	517 0 8	20	600 0 0	ž
2	20	120 0 0	33	020 0 2	ź
\$	04	032 8 8	34	538 4 2	ž
3	30	018 4 8	35	334 2 2	3
ž	30	564 0 9	34	570 0 2	3
3	37	579 8 9	37	585 10 2	3
\$	-38	595 4 9	38	601 8 2	ŝ
2	39	611 0 9	39	617 6 2	3
3	40	626 8 10	40	633 4 2	2
3	41	642 4 10	41	649 2 2	2
3	42	658 0 10	42	665 0 2	ż
3	43	673 8 10	43	650 10 2	3
3	44	689 4 11	44	696 8 2	3
3	4.5	705 0 11	45	712 6 2	3
2		mannen	10	110000000000	2
3	1 PT.	FT. IN. PA. 8	I PT.	FT. IN. PA. 8	ŝ
3		0.11.0.0			3
2	4	511 0 0	3	311 6 0	5
ŝ	2	11 0 0 0	3	7 11 0 0	32
3		11 8 0 0	1 4	11 10 8 0	2
-	000000				2

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3	1	1	e.,	A	0 T		1	10	2	. 40	1 7.	-13
3	PT		SIL	- A	OIN		P.T		510	5 30	4 12	- 3
20	LN	. 1	FT	IN	P.4		LAN	2	PP	IN	p	~ 3
3					. 10	-				. 1.4		- 2
3	1	1	16	0	0				10	5	0	12
3	2		35	0	0		2		32	4	0	12
2	3		48	0	0		3		48	6	0	3
3	4		64	0	0		4		64	8	0	3
3	5		80	0	0		5		80	10	0	13
-	6		96	0	0		6		97	0	0	15
3	7		112	0	0		7		113	2	0	13
-	8		128	0	0		8		129	4	0	13
z	9		44	0	0		9		145	6	0	12
3	10		60	0	0		10		161	8	0	12
3	111	1	76	0	0		11		177	10	0	3
3	12		92	0	0		12		94	0	ő	3
ş	13	12	808	0	Ő		13	1	210	2	0	13
5	14	12	24	0	0		14		228	ã	0	15
3	1.6	12	40	0	0		14	10	010	R	0	12
3	10	10	2a	0	0		10	1	020	0	0	12
3	10	10	70	0	0		10	1	500	10	1	13
3	17	1 3	00	0	0		17	1	114	10	-	13
ş	18	1 0	33	0	0		18	13	SH I	0	1	13
ŝ.	18	0	04	0	0		19	1	100	2	1	15
\$	20	3	20	0	0		50	3	23	4	1	13
5	51	3	36	0	0		51	3	139	6	1	12
5	22	3	53	0	0		25	3	55	8	1	12
3	23	3	68	0	0		23	3	71	10	1	13
i	24	3	84	0	0	н	24	3	88	0	1	13
3	25	4	00	0	0		25	4	04	2	1	13
2	26	4	16	0	0		26	4	20	4	1	3
ŝ	27	4	32	0	0		27	4	36	6	1	12
\$	28	4	18	0	0		28	4	52	8	1	12
	29	4	64	0	0	Ш	29	4	68	10	1	2
3	30	4	80	0	0		30	4	85	0	1	3
3	31	4	98	0	0		31	5	01	2	1	13
٤I	32	5	51	0	0		32	5	17	4	2	15
٤I	33	3	85	0	0		33	5	33	6	2	13
31	34	5	44.	0	0		34	5	49	8	2	12
ŝ	35	5	50	0	0		35	5	85	10	2	12
٤I	36	5	76	0	0		36	5	82	0	2	13
3	37	5	56	0	0	11	37	15	98	2	2	3
3	38	6	18	0	0	П	38	6	14	4	0	13
5	30	6	24	0	0	П	30	R	30	B	2	15
3	40	6.	10	0	0	I	40	6	46	8	2	15
	41	6	6	0	0		41	B	89	10	2	13
ŝ	42	6	2	0	0		42	B	70	0	õ	12
	43	R	8	0	0	I	43	RI	as	0	0	12
	44	76	14	ñ	0		11	7	11	4	0	13
1	45	79	0	0	0		45	7	27	-	0	13
	OF			~~~~	erer l		10			0		13
	FT	FT	IN	PA	. s.		PT.	FI	. 15	i. P.4	. 8.	· · · · ·
	4	4	0	0	0	ľ	+	4	0	6	0	3
	5	8	0	0	0		- 1	8	1	0	0	1
	-	12	0	0	0	L	+	12	1	6	0	3
1												2

۰.	101500		1010.	~~~~	secon	1100-	erer.	erere.	13
	PT.	SIDI	48	In.	FT.	SID	R 48	a In.	ineres .
-	LNG.	FT	IN.	PA.	LNG.	FT	. IN	PA	2
3	T	16	4	0	T	16	6	0	3
ş	2	32	8	0	2	33	0	i	13
è	3	49	0	0	3	49	6	i	3
ż	4	65	4	1	4	66	0	2	13
3	5	81	8	1	5	82	6	2	3
ş	6	98	0	1	6	99	0	3	13
2	7	114	4	1	7	115	6	3	13
ŝ.	8	130	8	2	8	132	0	4	3
ş	9	147	0	2	9	148	6	5	13
ş	10	163	4	2	10	165	0	5	15
ŝ	11	179	8	2	11	181	6	6	13
ş	12	196	0	3	12	198	0	6	3
ŝ.	13	212	4	3	13	214	6	7	13
3	14	228	8	3	14	231	0	7	13
3	15	245	0	3	15	247	6	8	3
ş	16	261	4	4	16	264	0	9	13
ŝ	17	277	8	4	17	280	6	9	13
ŝ	18	294	0	4	18	297	0	10	ł
ŝ	19	310	4	4	19	313	6	10	3
3	20	326	8	5	20	330	0	11	13
3	21	343	0	5	21	346	6	11	3
ĩ	22	359	4	5	22	363	1	0	12
ş	23	375	8	5	23	379	7	0	i
3	24	392	0	6	24	396	-1	1	3
ŝ.	25	408	4	6	25	413	7	2	3
Ś.	26	424	8	6	26	429	1	2	3
3	27	441	0	6	27	445	7	3	3
ŝ	28	457	4	7	28	462	1	3	3
ŝ.	29	473	8	7	29	478	7	4	3
ŝ.	30	490	0	7	30	495	1	4	13
3	31	506	4	7	31	511	7	5	3
3	32	522	8	8	32	529	1	6	ŝ
ž	33	539	0	8	33	544	7	6	Ę
ŝ	34	555	4	8	34	561	1	7	3
\$	35	571	8	8	35	577	7	7	3
ł	30	588	0	9	36	594	1	8	3
ş	37	604	4	9	37	610	7	8	ì
ŝ	38	620	3	9	38	627	1	9	ŝ
ş.	38	637	0	9	39	643	7	9	3
3	40	653	4	10	40	660	1	10	3
ŝ	41	069	8	10	41	676	7	11	3
ŝ.	42	080	0	10	42	693	1	11	ŝ
ž	43	702	4	10	43	709	8	0	3
ž	44	118	8		44	720	2	0	3
3	Gr	135		11	45	142	8	1	
2	+ PT.	FT.	IN P	A. 8	+ PF	FT	IN. P	A. 8	
									12
2	4	4	1 (	0	4	4	1 (	5 0	13
ž	2	19		0	2	8	3 (	0 0	13
81	4	14 .	2 1	0	4	11.6	4 6	0	28

- 3	*****	*******	****	~~	- 15 55		****	11550	
	PT	SIDE	49 1.		RT	Su	DE 4	41	
-	LNG	. FT. I	N. PA		LNC	7. F	r. /N	. P.	
2	-	10	0 1	-			1 10		-
- 3	0	10	4 2	1		2	2 0	1	E
3	1 2	50	4 8		2	0	0 8	0	1
3	1 4	68	8 4		0	B	7 4	4	
3	5	83	4 5		1 2	8	4 9	7	
ŝ	6	100	0 6		B	10	1 0	0	
3	7	118	8 7		7	11	7 10	10	
3	1 8	133	4 8			13	1 0	0	
2	9	150	0 9		9	15	1 7	2	
2	10	166	8 10		10	16	8 5	3	
-3	11	183 .	4 11	- 2	11	18.	5 3	5	3
ş	12	200	1 0		12	20	2 1	8	13
ł	13	216 1	9 1		13	21	8 11	8	3
1	14	233	5 2		14	23	5 9	9	13
÷	15	250	1 3		15	25	3 7	11	18
3	16	266 \$	) 4		16	269	) 8	1	13
3	17	283 8	5 5		17	286	3 4	8	15
3	18	300	6		18	303	3 8	4	13
3	19	316 8	7		19	320	0 (	5	13
\$	20	333 3	5 8		20	336	8 10	7	13
3	21	350 1	9		21	3.53	8 8	8	13
3	22	366 8	010		22	370	6	10	13
\$	23	383 5	11		23	387	4	11	13
2	24	400 8	0	1	24	404	- 3	1	13
5	25	416 10	1		25	421	1	3	13
2	26	433 6	5		26	437	11	4	15
3	27	450 2	3	il.	27	454	9	6	2
3	28	466 10	4		28	471	T	7	15
3	29	483 0	0	1	29	488	3	9	13
2	30	500 2	0	11	30	503	0	10	15
2	31	222 0			31	520	0	0	12
\$	32	550 9	0	11	32	039	10	8	12
	33	548 10	10	11	33	299	0	3	13
-	35	583 8	11		25	580	6	B	13
2	38	600 3	0		38	808	4	9	13
2	37	616 11	Ĩ	1	37	823	2	9	2
3	38	633 7	2		38	640	0	11	2
5	39	650 3	3		39	656	11	0	13
	40	666 11	4	il	40	673	9	2	12
1	41	683 7	5	V	41	690	7	4	3
51	42	700 3	6	li -	42	707	5	5	2
21	43	716 11	T		43	724	3	7	3
51	44	733 7	8		44	741	1	8	3
ξĮ	45	750 3	9		45	757	11 1	0	3
2	inn	****	~~~~		en-	*****	*****	~~~	2
111	PT	FT. IN. F	PA. S.	1	FT.	FT. 1	N. P.	. 8.	Parents.
	4	4 2 (	) 3		+	4 5	2 6	3	3
	*	8 4 (	) 6		2	8 3	0	6	ŝ
13	. 4	18 6 (	9		- 4	12 1	6	9	3

φ.	1 4.00	*****	*****	****	-
210		SIDE 491 IN.	1	SIDE 494 IN.	NN
2	FT.	FT. IN. PA.	LNO.	FT. IN. PA.	22
\$					3
3	1	17 0 2		17 2 3	0
ŝ	\$	34 0 4	2	34 4 6	ş
3	3	51 0 6	3	51 6 9	Ż
ż	4	68 0 9	4	68 9 0	3
ż.	5	85 0 11	5	85 11 3	3
3	6	102 1 1	6	103 1 6	3
3	7	119 1 3	7	120 3 9	ş
\$	8	136 1 6	8	137 6 0	3
ì	9	153 1 8	9	154 8 3	ş
3	10	170 1 10	10	171 10 6	ž
ŝ	iii	187 2 0		189 0 0	3
ş	12	204 2 3	19	208 3 0	\$
3	12	221 2 6	10	223 6 2	3
ž	14	239 2 7	14	240 7 6	3
ż	17	955 9 0	14	257 0 0	3
ż	15	072 2 0	15	276 0 1	3
3	10	212 3 0	16	213 0 1	3
3	17.	409 3 2	17	200 4 4	ż
ş.	18	300 3 4	18	309 4 7	\$
\$	19	323 3 6	19	320 6 10	3
3	50	340 3 9	20	343 9 1	3
ŝ.	51	357 3 11	21	360 11 4	ŝ
÷.	22	374 4 1	22	378 1 7	\$
3	23	391 4 3	23	395 3 10	ŝ
3	24	408 4 6	24	413 6 1	ž
ξ.	25	425 4 8	25	429 8 4	5
3	26	442 4 10	26	446 10 7	3
3	27	459 5 0	27	464 0 10	3
ž.	28	476 5 3	28	481 3 1	5
\$	29	403 5 5	29	498 5 4	3
3	30	510 5 7	30	515 7 7	ž
3	31	527 5 9	31	532 9 10	٤
3	32	544 6 0	32	550 0 2	3
3	33	561 6 2	33	567 2 5	ž
3	34	578 6 4	34	584 4 8	ş
3	3.5	595 '6 6	3.5	601 6 11	5
3	36	612 6 9	36	618 9 2	200
3	37	629 6 11	37	63.5 11 5	ŝ
5	38	646 7 1	38	653 1 8	\$
2	39	663 7 3	39	67.0 3 11	3
3	40	680 7 6	40	687 6 2	3
2	41	607 7 8	41	704 8 5	5
3	12	714 7 10	42	721 10 9	3
3	48	731 8 0	42	739 0 11	2
3	11	748 9 3	4.4	758 9 9	3
5	14	785 8 5	45	173 5 5	3
3	100	max and a start	10	100000000000000000000000000000000000000	3
eve	\$ FT.	FT. IN. PA. 8	- FT.	FT. IN. PA. S.	eres
3	4	4 3 0 6	1	4 3 8 9	20
3	1	8 6 1 0		8716	3
3	1	12 9 1 6	1 3	12 10 8 8	3
- 51			1 1		-2

Y				
20.00	RT	SIDE 50 IN.	FT	SIDE 504 IN.
2	LNG.	FT. IN. PA.	LNO.	FT. IN. PA.
ŝ		17 4 4		17 6 5
ş	2	34 8 8	2	35 0 10
3	3	52 1 0	3	52 7 3
3	4	89 5 4	4	70 1 8
ŝ	5	86 9 8	5	87 8 1
ŝ	6	104 2 0	8	105 2 6
ŝ	7	121 6 4	7	122 8 11
2	8	138 10 8	8	140 3 4
3	9	156 3 0	9	157 9 9
Ĩ	10	173 7 4	10	175 4 2
ŝ	H	190 11 8	11	192 10 7
ž	12	208 4 0	15	210 5 0
ş	13	225 8 4	13	227 11 5
2	14	243 0 8	14	245 5 10
\$	15	260 5 0	15	263 0 3
5	1 18	277 9 4	16	280 -6 9
ŝ	17	295 1 8	17	298 1 2
ş.	18	312 8 0	18	315 7 1
ş	19	829 10 4	19	333 2 0
ŝ	20	341 2 8	20	300 5 3
ì	18	304 7 0	15	205 0 2
ş.	22	200 2 9	22	102 2 6
ŝ.	23	418 8 0	23	420 10 1
ŝ	15	134 0 4	24	439 4 8
ş	25	454 0 4	60	455 10 11
ş.	20	468 9 0	20	473 5 4
3	30	486 1 4	28	490 11 9
ş.	20	503 5 8	20	508 8 2
3	30	520 10 0	30	528 0 7
ŝ.	31	538 2 4	31	543 7 0
ş.	32	555 6 8	32	561 1 6
ş	33	572 11 0	33	578 7 11
3	34	590 3 4	34	596 2 4
ŝ	3.5	607 7 8	35	613 8 9
ş.	36	625 0 0	36	631 3 2
ş	37	642 4 4	37	648 9 7
ŝ	38	659 8 8	38	666 4 0
	39	677 1 0	39	683 10 5
3	40	694 5 4	40	701 4 10
3	41	711 9 8	41	718 11 3
ş	42	729 2 0	42	736 5 8
	43	746 6 4	43	754 0 1
2	44	763 10 8	44	771 8 8
	45	781 3 0	45	789 0 11
3	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ma	mannin
	\$ FT.	FT. 1N. PA. 8.	2 FT.	FT. IN. PA. 8.
	4	4 4 1 0	4	4 4 7 3
5	1	8 8 2 0	2	8 9 2 8
ì	4	13 0 3 0	1	13 1 9 8

	1	SID	E 51	In.	100	SID	E 5	4 In	x.] 2
1000	FL	F1	C. IN	. PA	FT	F	F. 15	PA	~ 3
1	-	1.6	0	0		1.5	9	10	- 3
3	1 0	26		B	1 9	86	-	0	3
5	2	54	2	3	2	54		7	13
3	4	79	3	0	1	79	11	R	3
-3	5	00	3	õ	5	91	2	4	13
ş	B	108	4	6	B	109	5	3	1
3	7	126	5	3	7	127	8	ĭ	12
ŝ	8	144	8	0	8	145	11	ò	3
ŝ	9	162	6	9	9	164	1	11	13
ŝ	10	180	7	6	10	182	4	9	13
3	11	198	8	3	1 11	200	7	8	3
3	12	216	9	ō	12	218	10	6	12
\$	13	234	9	9	13	237	1	5	12
ŝ	14	252	10	6	14	255	4	3	3
2	15	270	11	3	15	273	7	2	13
3	16	289	0	0	16	291	10	1	3
3	17	307	0	9	17	310	0	11	3
3	18	325	1	6	18	328	3	10	3
3	19	343	2	3	19	346	6	8	12
ŝ	20	361	3	0	20	364	9	7	13
\$	21	379	3	9	18	383	0	5	1:
3	22	397	4	6	22	401	3	4	13
3	23	415	5	3	23	419	6	2	15
3	24	433	6	0	24	437	9	1	13
ŝ	25	451	6	9	25	456	0	0	12
\$	26	469	7	6	26	474	2	10	3
3	27	487	8	3	27	492	5	9	13
ş	28	505	9	0	28	510	8	7	15
ŝ	29	523	9	9	29	528	11	6-	12
٤.	30	541	10	6	30	547	2	4	18
3	31	559	11	3	31	565	5	3	3
3	35	578	0	0	32	583	8	2	13
5	33	596	0	9	33	601	11	0	3
ŝ	34	614	1	6	34	620	1	11 -	3
8	35	633	2	3	35	638	4	9	3
3	36	650	3	0	36	656	7	8	3
ş	37	688	3	9	37	074	10	6	3
2	38	086	4	6	38	093	1	5	12
ŝ	39	704	5	3	39	TIL	4	3	18
2	90	122	0	0	40	129	10	2	3
	41	740	0	8	41	747	10	0	3
	40	158	-	0	42	766	0	11	3
	+3	776	8	3	43	784	3	10	3
	44	012	9	0	44	820	0	8	3
	1.0	810	a cere	3	40	020		ince	3
	FT.	FT. 13	N. PA	. 8.	\$ FT.	FT. 1	4. P.	1. 8.	
	+	+ 6	3	3	+	4 6	8	6	2
	1	9 0	4	6	1	9 1	5	0	3
	4	13 6	6	9	1	13 8	1	6	2
									2

	10000	***********	~~~	****	man	see.	erer 1	v 2
ŝ		SIDE 51 1 I	x.		SIDE	51	IN.	Ī
3	FT.	*****	~	PT.	~~~~		ine	-
3	LNG.	FT, IN, P	A .	LNG.	PT.	- IN.	. PA.	
	1	18 5 0		1	18	7	1	
21	2	36 10 0		2	37	2	2	
٤I	3	55 3 0		3	55	9	3	
ŝ	4	73 8 1		4	74	4	4	
3	5	92 1 1		5	56	11	5	
31	6	110 3 1		6	m	6	в	
51	7	158 11 1		7	130	1	7	
ŝ	8	147 4 2		8	148	8	8	
3	9	165 9 2		9	167	3	9	
ŝ	10	184 2 2		10	185	10	10	
3	ш	202 7 2		11	204	5	11	
ş	12	221 0 3	- 11	13	223	1	0	
3	13	438 5 3		13	241	8	1	
2	14	257 10 3		14	260	3	2	
ż	15	276 3 3		15	278	10	3	
3	16	294 8 4		16	297	5	5	
3	17	313   4		17	316	0	0	
5	18	331 6 4		18	334	7	7	
5	19	348 11 4		19	353	2	8	
3	20	368 4 5		20	371	9	9	
ŝ.	21	386 9 5		21	390	.4	10	
ξ.	22	405 2 5		55	408	п	п	
3	23	423 7 5		23	427	7	0	
\$	24	442 0 6	4	24	446	2	1	
ŝ	25	460 5 6		25	464	9	2	
ŝ.	26	478 10 d		26	483	4	3	
ş.	27	497 3 6		27	501	11	4	
\$	28	515 8 7		28	520	6	5	
3	29	534 1 7		29	539	1	6	
÷	30	552 6 7		30	557	8	7	
ŝ	31	570 11 7		31	570	3	8	
ž.	32	559 4 8		32	594	10	10	
3	33	007 9 8		33	613	5	П	
2	34	026 2 8		34	632	1	0	
53	35	044 7 8		35	050	8	1	
2	36	083 0 9		36	069	3	2	
ž	37	081 5 0		37	887	10	3	
3	38	099 10 9		38	708	5	4	
	39	718 3 9		39	725	0	5	
5	40	730 8 10		40	743	7	6	
3	41	755 1 10		41	762	8	7	
100	42	773 6 10		42	780	9	8	
3	43	791 11 10		43	799	.4	9	
2	44	810 4 11		44	817	11	10	
3	45	828 9 11		45	836	8	11	
ŝ		······································			****		****	-
2	\$ FT.	FT, IN, PA.	8.	₹FT.	FT. I	N. 8	PA. 8.	
S.	+	4 7 3	0	+	4	y (	0 3	-1
5	1	9 2 6	0	4	9	3 1	BB	1
2	1	13 9 9	0	23	13 1	1	3 9	1
3	1		- 1	4	1.0 1		0	

- 2			_						5
	PT	SID	E 52	IN.	PT.	SIDE	\$ 52	IN.	
-	LNG	FT.	IN.	PA.	LNO	FT.	IN.	PA.	2
1	T	18	9	4	1	18	11	6	- 3
3	2	37	6	8	2	37	11	0	3
5	3	56	4	0	3	56	10	- 6	13
3	4	7.5	i	4	4	7.5	10	0	li
ŝ	5	93	10	8	i s	94	9	6	3
2	6	112	8	0	B	113	9	0	13
3	7	131	5	4	7	132	8	6	
3	1 .	150	2	8		151	8	0	3
3	0	169	õ	0	0	170	7	6	là
3	10	187	ő	4	10	180	7	0	1:
ŝ	10	208	ß	8	11	208	8	6	3
3	19	225	4	0	19	227	6	0	3
3	12	244	1	4	12	218	5	B	13
	10	282	10		13	285	5	0	15
:	1 17	201	0	0	14	281	4	R	13
3	10	200	0	4	10	202	1	1	13
3	10	300	0	4	10	010	4	-	13
ž	17	330	2	0	17	211	0	1	3
3	18	335	0	0	18	900	0	-	15
ş	19	330	9	*	19	270	0	1	15
3	20	31.5	0	8	50	319	2	~	12
3	121	394	4	0	21	398	1	1	18
3	22	413	1	4	25	417	1	1	3
3	23	431	10	8	23	430	0	7	13
\$	24	450	8	0	24	400	0	1	18
3	25	469	5	4	25	473		7	3
ż	26	458	2	8	26	493	11	1	15
\$	27	507	0	0	27	511	10	7	3
3	28	325	9	4	28	530	10	1	12
3	29	544	6	8	29	549	9	7	13
2	30	563	4	0	30	508	8	1	3
\$	31	582	1	4	31	587	8-	7	12
3	32	600	10	8	35	000	8	2	18
3	33	619	8	0	33	625	7	8	3
3	34	638	5	4	34	044	1	0	12
3	35	057	5	8	35	063	Ø	8	15
~	36	678	0	0	36	082	9	2	3
3	37	094	8	4	37	101	5	8	12
ż	38	713	6	8	38	720	5	8	3
2	39	732	4	0	39	739	4	8	3
\$	40	751	1	4	40	758	4	2	3
2	41	769	10	8	41	177	3	8	3
ş	42	785	8	0	42	796	3	2	3
5	43	807	5	4	43	815	2	8	2
ž	44	858	8	8	44	834	5	8	3
2	45	845	0	0	45	853	1	8	2
3	·m	****		m	1515.	*****			3
222	4 PT	FT. II	N. P/	. S.	\$ FT.	FT. 12	S. P/	I. S.	ere.
ŝ	1	4 8	4	0	+	4 8	10	6	200
2	1	9 4	8	0	3	9 5	- 9	0	3
	-	14 1	0	0	4	14 2	7	6	3
	-								1.0

1	Of	So	lid	Me	asu	re.	
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3	FT.	FT. IN. PA.	FT.	PT. IN. PA.
ì		10 1 6		10 2 10
\$	1	18 1 0	1	20 7 0
3	2	17 6 96	2	57 11 7 3
2	3	51 5 0	5	37 11 6 3
ş	4	8 0 07	4	11 3 0 6
ŝ	3	95 8 5	0	80 4 4 1
ŝ	8	114 10 1	0	115 11 3
3	1	135 11 9	1	100 0 1 5
31	8	100 1 0	8	172 10 11
31	9	101 4 10	10	102 2 0
3	10	191 4 10	10	193 6 9 3
ξ	11	0 0 0 0	11	212 0 8 2
2	15	049 0 11	13	201 10 0 16
2 I	13	240 9 11	13	201 6 0 6
3	14	201 11 7	14	210 0 3
ì	15	208 2 0	15	200 9 1
ŝ	18	300 5 0	10	309 2 1
3	17	244 8 4	17	247 0 10
3	18	344 0 4	18	347 9 10
3	19	303 8 0	1.19	200 / 7
\$	20	382 9 9	20	380 5 7 6
3	21	401 11 5	21	405 9 5
ż.	22	441 1 1	22	420 1 4 2
3	23	440 4 9	23	444 5 2 3
ş.	64	409 4 0	24	403 1 1 3
ş.	25	418 0 2	25	483 1 0 2
ŝ.	20	497 7 10	26	502 4 10 5
ŝ.	24	526 11 2	27	541 8 9
3	20	555 0 11	48	540 A 0 3
ξ.	20	571 9 7	20	300 4 0 3
3	21	502 4 2	30	500 0 2
ŝ.	87	819 8 0	31	018 4 9 2
ŝ.	33	831 7 9	22	847 9 0 3
ş.	34	850 0 4	33	869 11 11
3	35	869 11 0	04	670 2 0
3	36	689 0 9	30	695 7 8
2	37	708 2 5	37	714 11 8 2
3	38	727 4 1	30	734 8 5
3	39	746 5 9	30	753 7 8
3	40	785 7 8	40	779 11 9
3	41	784 9 2	41	702 3 1
3	42	903 10 10	42	511 6 11 2
3	43	823 0 6	43	830 10 10
3	44	842 2 3	44	850 2 8
5	4.5	861 3 11	45	869 6 7
3	N N	······································	11-00	
som.	₫ FP.	FT. IN. PA. S.	f FT.	FT. 1N PA. S.
3	1	4 9 5 0	1	4 9 11 6
3	2	9 6 10 0	1	97110
3	1 2	14 4 3 0	1 1	14 5 10 8
10.				

*		*****	*****	*****	*****	****	****	1
2022		SIDE 53	IN.		SIDE	531	In.	100
3	FT.	conserves.	mm	FT.	*****			
1	LNG.	FT. IN	. PA.	LNG.	FT.	IN.	PA.	
3	1	19 6	1	1	19	8	3	Ľ
\$	2	39 0	2	2	39	4	7	B
3	3	58 6	3	3	59	0	10	
2	4	78 0	4	4	78	9	8	12
0	5	97 6	5	5	98	5	5	
2	B	117 0	6	B	118	1	0	13
ź	7	136 6	7	7	187	10	0	В
1	1 0	158 0	8	1 0	157	R	4	
ż	1 0	175 8	0	G	177	2		
3	110	105 0	10	10	108	10-	11	
3	10	214 8	11	10	210	7	2	
2	10	924 1	0	10	920		B	3
\$	10	1 900	1	10	0.0		0	13
2	13	072 1	9	13	075	0	1	1
ż	14	002 7	9	14	005	0	-	13
2	15	019 1	0	15	285	4	0	15
3	16	314 1	4	16	315	0	0	12
3	17	331 7	0	17	334	9	0	12
20	18	351 1	0	18	304	0	-	13
3	19	370 7	-	19	374	1		1
ì	20	390 1	0	20	393	91	0	3
ż	21	409 7	8	21	413	8	2	3
3	22	429 1	10	22	433	3	0	
3	23	448 7	11	23	452	10	9	18
3	24	468 2	0	24	472	7	1	
3	25	487 8	1	25	492	3	5	13
3	26	507 2	8	26	511	11	8	3
2	27	526 8	3	27	531	8	0	
3	28	546 2	4	28	551	4	3	
2	29	565 8	3	29	571	0	7	
3	30	585 2	6	30	590	81	0	ž
3	31	604 5	7	31	610	0	2	3
ŝ	32	854 5	8	32	630	1	0	2
3	33	643 8	8	33	649	8	9	2
200	34	663 2	10	34	669	0	1	3
2	35	682 8	11	35	689	Z	4	3
3	36	702 3	0	36	708	10	8	3
2	37	721 9	1	37	728	6 1	1	3
2	38	741 3	2	38	748	3	3	2
2	39	700 9	3	39	767	11	6	3
2	40	780 3	4	40	787	7 1	0	3
3	41	799 9	5	41	807	4	8	200
5	42	819 3	6	42	827	0	5	3
3	43	838 9	7	43	846	8	9	
2	44	858 3	8	44	866	5	0	2
2	45	877 9	9	45	886	1	4	
3		*******	m	00-10	*****	****	~~	
~~~~	₫ FT.	FT. IN. P	A. 8	\$ FT.	FT. 13	. PA	. 8.	an an
200	4	4 10 6	3	4	4 11	0	9	200
3	1	990	) 6	1	9 10	1	6	3
-	Aler.	14 7 6	8 9	4	14 9	8	3	2
1								-2

÷.	*****			
1000	-	SIDE 531 IN.		SIDE 533 IN.
3	FT.	FT IN. PA.	LNG.	FT. IN PA.
3		10.10.0		20 0 0
3	1	19 10 0	1	40 1 8
31	4	59 9 0	0	60 9 2
5	0	70 8 1	3	60 2 0
3	4	10 0 1	4	100 3 0
3	8	110 2 1	0	120 4 6
2	7	120 1 7	7	140 5 3
3	é	150 0 9	0	160 8 0
\$	. 0	178 10 8	i o	180 6 9
ž	10	108 0 2	10	200 7 6
ĩ	11	218 7 8	10	220 8 3
3	12	238 8 3	12	240 9 0
5	12	258 4 0	12	260 9 9 1
5	14	278 3 3	10	280 10 8
3	15	208 1 0	15	300 11 3
2	18	918 0 4	10	321 0 1
2	17	337 11 10	17	341 0 10
3	18	357 9 4	110	361 1 7
2	10	377 7 10	10	381 9 4
3	20	307 8 5	20	401 3 1
3	21	417 4 11	21	421 3 10
3	22	497 3 5	29	441 4 7
ŝ.	22	457 1 11	00	401 5 4
ŝ	21	477 0 8	24	441 6 1
ş	96	400 11 0	0.1	501 6 10-
3	- 28	510 0 6	00	501 7 7
3	97	530 8 0	00	541 8 4
ż	28	558 8 7	1 26	SRI Q I
3	20	578 5 1	20	581 0 10
3	80	508 8 7	20	801 10 7
ş	31	616 2 1	31	821 11 4
ž	32	636 0 8	32	642 0 2
ž	33	855 11 2	22	882 0 11
3	34	675 9 8	34	682 1 8
3	35	695 8 2	35	704 2 5
2	36	715 6 9	36	722 3 2
2	37	735 5 3	37	742 3 11
2	38	755 3 9	38	762 4 8
2	39	775 2 3	30	782 5 5
3	40	795 0 10	40	802 6 2
5	41	814 11 4	41	822 6 11
2	42	834 9 10	42	842 7 8
2	43	854 8 4	43	862 8 5
3	44	874 6 11	44	882 9 2
3	45	894 5 5	45	902 9 11
2	non	mannen	an	
an an	+ PT.	FT. 1N. PA. 8.	₽ PT.	FT. IN. PA. S.
3	4	4 11 7 6	4	50231
3	1 1/2	911 3 0	1 2	10 0 4 6
2	the	14 10 10 6	1 4	15 0 6 9
4	11000			

Tuble of Solid Measure.

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		SIDE	54	IN.	
	LNG.	FT.	IN.	PA.	
			2	0	
	- 9	40	B	0	
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3	10	202	6	0	
3	10	222	9	0	
3	12	243	0	0	
-	18	263	3	0	
ŝ	14	283	6	0	
3	15	303	9	0	
3	16	324	0	0	
5	117	344	3	0	
5	18	364	6	0	
2	19	384	9	0	
	20	405	0	0	
3	21	425	3	0	
5	22	445	6	0	
2	23	465	9	0	
ŝ	24	486	0	0	
3	25	506	3	0	
ş	26	526	6	0	
ž	27	546	9	0	
ŝ	28	567	0	0	
3	29	517	3	0	
3	30	607	6	0	ľ
5	31	627	9	0	
3	32	648	0	0	
2	33	668	3	0	
3	34	688	6	0	
ŝ	35	708	9	0	
5	36	729	0	0	
ŝ	37	749	3	0	
ş	38	769	6	0	
ŝ	39	789	9	0	
5	40	810	0	0	
ş	41	830	3	0	
2	42	850	0	0	
ŝ	43	810	0	0	
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- 64					

## NEW

## TABLES.

Shewing the value of

## TIMBER, STONE, &c.

CUT TO ANY SIZE OR SCANTLING,

At the several prices from Is. 6d. to 5s. 6d. per foot Cube,

- And which, hy addition or subtraction only, will shew the value at any greater or less prices.
- N. B. In the tables at 1s. 6d. 2s. and 2s. 6d. the value is given in pence and eighths of a penny; but in the tables at 3s. to 5s. 6d. the value is given in pence and farthings.

130 The Value of Scantlings,

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3	0 T-	0.	1 34	11	5	17	3	4	ž
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3	51	1 3	SI	3	i	12	B	0	3
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3	65	1 5	94	3	4			1	ş.
3	7	1 6	10	3	6	44 15	. S	Q. ]	ž
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3	8	5 0	11	4	1			-	\$
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3	9	2 2	15	4	4	45	2	4	2
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	10	2 4				54	3	0	5
3	101	2 5	31 IN	i. Se	2.	6	3	3	ş
3	11	2 6				61	3	5	ş
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3	16	3 0	21	-	-	12	+	1	ξ.
\$			1 4		a	01	1	7	ş.
3	21 IN	. Sq.	-41		7	02	4	0	ş.
-		11	1	2	1	10	5	2	ž
ì	BY	<i>a.</i> §	51	2	3	10	5	5	
ž	七支	0 6	6	2	5	104	5	7	3
3	3	0 7	61	2	7	11	6	1	ş.
ž	35	1 0	7	3	0	+15	6	3	ŝ.
3	4	1 2	71	3	2	15	6	6	
2	42	1 3	8	3	4		~~~	~	2
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3	012	1 3	19	3	7	5 IN	S		ŝ.
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	74	2 2	101	1	4	BY		8	ž
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at 1s. 6d. ver Foot Cube. 131

IN. SQ. BY d. Sq. d. 

132 The Value of Scantlings,

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3			8	5	2	4	82	5	-5	3
3	22	0	0	52	2	6	9	6	0	8
3	3	1	0	6	3	0	95	6	2	8
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at 2s. per Foot Cube.

134 The Value of Scantlings,

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3	35	1 3	64	4	0	10	8	1	8
3	4	1 5	7	4	2	101	8	4	3
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2	94	3 7				5	4	4	2
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at 2s. 6d. per Foot Cube. 135

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136 The Value of Scantlings,

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3	31	0	13	64	0	43	10	0	10	
3	4	0	8	7	0	51	104	0	101	
ş	45	0	21	74	0	51	11	0	11	
3	5	0	24	8	0	6	114	0	114	
3	51	0	21	84	0	64	12	1	0	2
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3	24	0	14	02	0	14	101	0	113	2
٤	3	0	14	0	0	04	102	0	113	2
3	34	0	2	01	0	32	1.1.1	1	03	3
ş.	4	0	24	1	0	0	112		11	3
ŝ.	44	0	23	12	0	01	10	1	13	3
3	5	0	3	0	0	7			~~~	2
3	SI	0	34	82	0	74				ŝ
3	62	0	33	9	0	74	5 I	N. 5	50.	3
3	61	0	4	82	0	84				3
ş	7	0	41	10	0	84				3
2	71	0	44	102	0	9	BY	8.	a.	3
3	8	0	52		0	82	5	0	61	2
3	81	0	51	112	0	10	51	0	6	2
3	02	0	54	12	0	101	6	0	73	3
ŝ.	01	0	53	10.00		~~~	64	0	8	5
ž	102	0	BJ BJ				7	0	84	3
Z	101	0	84	4 I	N. 9	9.	75	0	91	3
ş	102	0	81			-	8	0	10	3
3	III	0 61			-	-	84	0	101	3
ž	19	0 7		BY	8.	d.	9	0	113	3
٤	1.0	0 71		4	0	4	94	0	114	ş
61			41	0	44	10	1	OAL	3	
51	0 7	3 IN. Sq.			0	5	104	1	11	ž
	3 12	0 IA. 5Q.			-	-	2			5
	3 12			51	0	51	11		131	- 51
marrison	3 12 BY	8.	d.	51	0	51	114	1	13	200
······································	S IN	<i>s</i> .	d.	51 6 61	000	5½ 6 81		1	13	******

at 3s. per Foot Cube. 137

	51 I	N. SQ.	7 1	N. SQ.	91	N. Sq.	010N
520	BY	8. d	BY	s. d.	BY	s. d.	
3	51	0 7	7	1 04	9	1 81	3
-	6	0 8	71	1 14	91	1 91	
2	64	0 8	8	1 2	10	1 103	3
3	7	0 9	84	1 3	103	1 113	3
ż	7.5	0 10	9	1 34	11	2 04	3
3	8	0 11	93	1 44	114	2 2	1
3	84	0 11	10	1 5%	12	2 3	2
\$	9	1 0	105	1 61	~~~		3
3	93	1 1	11	1 71	01 1	. 80	3
ŝ	10	1 1	113	1 84	021	N. 04.	2
3	105	1 2	13	1 94			i
ŝ	11	1 3	10000	inner	BY	s. a.	3
3	115	1 3	3 74 1	N. SQ.	94	1 104	3
2	12	1 4	1		10	1 113	3
\$	server		BY	8. d.	101	2 04	3
ż	1		71	1 2	11	2 2	i
3	6 I:	N. SQ.	8	1 3	114	2 3.	3
3			81	1 33	12	2 42	
3	BY	8. 0	. 9	1 43	~~~~		15
3		0 0	- 91	1 53	10 1	N. So.	2
ż	BI	0 0	3 10	1 64			3
3	7	0 10	101	1 75	BY	s d	3
3	71	0 11	2 11	1 84	10		3
ż	8	1 0	4 112	1 91	10	2 1	2
ŝ	81	1 0	12	1 101	102	2 24	
3	02	ii	1 ~~~	new seases.	Sir	2 33	3
3	94	1 2	1 8 1	N. SQ.	12	2 03	3
3	10	1 3	DV	Le d	ner.	0 0	3
:	104	1 3	A DY	3. U.			2
2	11	1-4	1 8	14	101	IN. SQ.	3
3	114	1 5	1 82	1 5	_		3
3	12	1 0	9	1 0	BY	1 s. d.	1
3	heres		102	1 6	104	2 31	12
100	1		101	1 0	112	2 44	13
3	61 1	N. SQ	102	1 10	114	2 6	13
3			lin	1 10	12	2 74	3
2	BY	8. 0	1. 12	2 0		min	3
3	64	0 10	1 mm	mmm	11 1	N. Sq.	3
3	7	0 1]	1 81	IN. SQ.		le d	2
3	75	1 0	- BY	18. 1		0. 0.	3
3	8	1 1			111	2 64	13
3	81	1 1	1 82	1 6	112	0 73	13
2	9	1 2	2 0	1 6	10	0 9	3
2	92	1 3	1 92	1 8	111	In Se	13
2	101	1 4	101	1 104	112	IN. 5Q.	1
3	112	1 3	3 11	1 114	BY	s. d.	
2	ILIA	1 6	1 111	2 01	114	2 9	13
18	12	1 2	1 12	2 14	122	2 104	
2	-		21	1 12		******	14
- 10							-

The Value of Scan lings,

IN. So. 41 IN. SQ. 34 IN. SQ. d IN. SQ. Ц 5 IN. SQ. s 4 IN. SQ. BY 3 IN. SQ. 

at 3s. 6d. per Foot Cube. 139

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~~~~~	51 I:	N. SQ.	7 1:	. Sq.	9 1	N. SQ.	see.
3	BY	s. d.	BY	s. d.	BY	s. d.	3
3	51	0 9	7	1 24	9	1 113	Į.
ž	6 .	0 91	74	1 31	91	2 1	ŝ
ŝ	61	0 104	8	1 43	10	2 21	3
ş	7	0 114	84	1 51	101	2 33	3
3	71	1 01	9	1 64	11	2 5	ŝ
3	8	1 1	91	1 71	112	2 64	ż
ż	82	1 2	10	1 81	15	2 73	3
3	. 9	1 24	101	1 91	~~~	~~~~~	3
ş	82	1 53	11	1 101	94 1	N. Sq.	3
ş	10	1 40	112	1 114	- 2 -		ì
ş	103	1 63	13	Z 04	BY	8. d	3
3	114	1 64			01	23	3
ŝ	12	1 74	1 12 1	N. 5Q.	102	2 41	3
ş	in and		BY	: s. d.	104	2 53	ż
ŝ			71	1 43	112	2 61	2
3	6 1	N. SQ.	12	1 43	1114	2 8	ŝ
3			81	1 64	12	2 92	3
3	DY	1 × d	92	1 74	00000	inner	3
3		0.101	94	1 9	1 10	N 80	3
ś	0	0 103	10	1 10	10	IN, 5Q.	5
è	7	1 01	104	1 112		1	ž
:	1 75	1 11	11	2 04	B1	3. 0.	3
3	8	1 2	111	2 14	10	2 5	3
3	81	1 3	12	2 24	102	2 63	3
3	9	1 34	~~~	~~~~···	1111	4 8	ż
3	95	1 43	81	N. SQ.	12	2 11	2
- 3	10	1 54	DV	1 e d	lara	N	3
	101	1 61	-	1 2			
3	11	1 74	0		101	1N. SQ.	3
	112	1 83	02	li å	1-		13
	112	1 9	91	1 104	BY	18. d.	13
	~~~	~~~~~	102	1 114	10.5	2 84	3
	81	IN SO	101	2 01	11	2 93	
1	102	141.041	11	2 1	113	2 113	12
1	2		- 113	2 3	112	3 03	13
	S BA	8. a.	12	2 4	10000		13
	6 62	1 0.	~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	11	IN. SQ.	12
	3 7.		81	IN. SQ.	1 av	1 s. d.	3
	1 12	1 2	BY	1 s. d.	Hu-	2 11	13
	8 81	1 3:	81	1 0	This	3 04	1
	02	1 42	02	1 10	12	3 24	
	1 91	1 8	01	1 14	1	~~~~~	
	510 <sup>2</sup>	1 7	102	21	111	IN. So.	1
	104	1 7	104	2 2:	1		
	2 11	1 9	11	2 3	BY	3. d	
	\$ 114	1 10	111	2 4	1112	3 21	
	\$ 12	1 10	12	12 5	31115	3 4	1

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-	F		-	1.81	1.0	RA	. 7	10	OI	2	
ŝ	21	N. 9	So:	42	1 n	42	71	0	101	2	
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2	ny		d	42	0	42	8	0	104	13	
\$	- 11	0.	u.	5	0	5	81	0	115	3	
ž	25	0	14	51	0	54	9	1	0	Ş	
2	3	0	2	6	0	6	91	1	0\$	3	
ź	21	l o	al	ar	0	01	10		11	3	
ŝ	32	0	42	02	0	02	10		12	2	
3	4	0	24	7	0	7	102	11	23	ź	
3	44	0	3	75	0	75	11	1	23	2	
3	5	0	34	8	0	8	115		34	ź	
3	51	0	23	18	0	EI.	12	1 i	4	ź	
2	02	0	1	02	i a	02				ź	
2	0	0	4	9	0	9	100.000	~ ~		ŝ	
5	62	0	43	97	0	94				ž	
2	7	0	44	10	0	10	441	N	SQ.	ź	
5	175	0	5	101	0	104				3	
2	0	0	51	112	G	11				3	
5	OI	0	22	111	0	111	BY	1 .8.	d.	3	
3	82	0	04	112	0	112		0	-	2	
5	9	0	6	13	1	0	42	0	7	2	
3	94	0	64	acres		me	5	0	73	2	
3	10	0	83				54	0	84	2	
3	101	0	74	91 1	-	Sa	6	0	9	2	
3	102	0	1	321	N.	30.	ar	0	10	3	
3	11	0	74				02	0	10	3	
3	114	0	7.11				7	0	101	3	
\$	12	0	8	BY	8.	d.	74	0	11	3	
\$	neres	ere.	me	SI	0	44	8	0	114	3	
ź.				1 1	0	14	PI	i	14	3	
2	24 1	N. 9	io.	*	0	44	07		1.1	3	
2	-2 -			45	0	52	9		1.2	3	
5	F3 57		d	5.	0	6	97	1	24	3	
3	BY	8.	u.	54	0	64	10	1	31	\$	
3	24	0	21	B	0	7	101	1	4	ş	
3	-3	0	21	01	0		112			3	
5	10	0	22	04	0	73	11		12	3	
3	34	0	0	7	0	84	112		34	ş	
3	4	0	32	75	0	9	12		6	3	
2	44	0	32	8	0	91				3	
2	5	0	44	SI	0	10	~~~~	~~~·	~~~	3	
5	54	6	44	02	0	101				3	
2	a2	-0	20	9	0	102	5 I	N. S	SQ.	3	
8	ar	0	0	94	0	114			-	3	
5	02	U	02	10	0	112		-	-	3	
:	7	0	6	104	1	011	BY	8.	d.	3	
2	75	0	64	11	1	1		0	03	3	
2	8	0	64	114	1	14	0	0	04	3	
3	SI	0	71	112		12	55	0	84	3	
-	02	0	71	12	1	2	6	0	10	3	
3	0	0	4.2	100.00	~~~	nor	64		11	ŝ	
3		- 1	N				72	1	0	3	
6.1	94	0 8							0.0	2	
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www.	9½ 10 10%	0	81/84	4 I	N. 5	Sq.	71	1	04	5	
man	9½ 10 10½	0000	81212	4 I	N. 5	sq.	71/2 8	1	14	500	
mono	9½ 10 10½ 11	00000	8 8 9 9 9	4 I	N. 5	Sq.	7½ 8 84	1 1 1	14	see on	
monorio	9½ 10 10½ 11 11½	00000		4 I	N. 5	5q. d.	712 8 812 9	1 1 1	144	soone.	
monormo	91 10 101 11 11 12 12	000000	8 8 9 9 9 0 9 9 10	4 I	N. 5	d.	712 8 812 9	1 1 1 1	1 2 3 4		
······································	9½ 10 10½ 11 11½ 12	000000	889990 10	4 I 87 4	N. 5	d.	$7\frac{1}{2}$ 8 $8\frac{1}{2}$ 9 $9\frac{1}{2}$	1 1 1 1 1	123 4	1001010 - 100.	
	9½ 10 10½ 11 11½ 12	00000	8 8 9 9 9 0 10	4 I BV 4 4 4 2	8. 0 0	d.	$\begin{array}{c} 7\frac{1}{2} \\ 8 \\ 8\frac{1}{2} \\ 9 \\ 9\frac{1}{2} \\ 10 \end{array}$		123 44		
******	9½ 10 10½ 11 11½ 12 3 In	0 0 0 0 0 0 0 0 0	8 8 9 9 4 4 9 9 9 9 9 10 ~	4 I <u>BY</u> 4 4 4 4 5	8. 0 0 0	d.	71/2 8 81/2 9 91/2 10 10 10 2		123 445	conners annon	
******	9½ 10 10½ 11 11½ 12 3 Ii	0 0 0 0 0 0 0 0 0	8 8 9 9 9 0 9 0 0	4 I 8 Y 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	N. S.	5Q. d. 5克 6寺 7夫	71/2 8 81/2 9 91/2 10 10 10 10 11		0123 44 524	concerner - concerner	
second contraction and	9½ 10 10½ 11 11½ 12 3 In 87	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4 I BY 4 4 4 5 5 5 5 6	N. S. 00000	5q. d. 5244 44 44 44 44 44 44 44 44 44 44 44 44	7 <sup>1</sup> / <sub>2</sub> 8 8 <sup>1</sup> / <sub>2</sub> 9 9 <sup>1</sup> / <sub>2</sub> 10 10 <sup>1</sup> / <sub>2</sub> 11	1 1 1 1 1 1 1 1 1 1	01223 445 67	and a second and a second seco	
second in the second second	9½ 10 10½ 11 11½ 12 3 In BV	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4 I <u>BY</u> 4 4 4 5 5 5 6 0	N. 5	d. 544 544 544 544 544 544 544 544 544 54	$\begin{array}{c} 7\frac{1}{2} \\ 8 \\ 8\frac{1}{2} \\ 9 \\ 9\frac{1}{2} \\ 10 \\ 10\frac{1}{2} \\ 11 \\ 11\frac{1}{2} \end{array}$		0123 44 567 8	and a state and a	
a assessed a construction of the construction	9½ 10 10½ 11 11½ 12 3 In 8v	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 9 9 9 9 0 . d. 3	4 I BY 4 4 4 5 5 5 5 6 6 6 5 2	N. 5	d. 5-2-4-5-4-5-2-5-5-5-5-5-5-5-5-5-5-5-5-5-	$\begin{array}{c} 7\frac{1}{2} \\ 8 \\ 8\frac{1}{2} \\ 9 \\ 9\frac{1}{2} \\ 10 \\ 10\frac{1}{2} \\ 11 \\ 11\frac{1}{2} \\ 12 \end{array}$		01223 443-52-54 7 8	and a second and a second seco	

at 4s. per Foot Cube. 141

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-	for an and a second and a second and a second and											
3	1			11 34	10	4	17	10	104	2		
3	21	N. 5	50.	4	0	41	71	0	n1	3		
ŝ			- ar	1	0	42	12	0	113			
ş	BY	8.	d.	42	0	24	8		0			
\$				5	0	54	81	1	01			
\$	22	0	5	52	0	64	9	1	13			
3	3	0	24	6.	0	64	94	1	24	3		
\$	34	0	24	65	0	71	10	1	3			
3	4	0	3	7	0	6	LIGI	li.	21	3		
3	41	0	21	71	0	eI	102		12	3		
3	12	0	02	12	0	02	in .	1.1	2	2		
3	5	U	4	0	0	8	112	1	0	5		
3	52	0	44	82	0	94	12	1.1	6	5		
3	6	0	44	9	0	104	\$1 15.	~ ~	visi	5		
3	65	0-	5	95	0	103				3		
3	7	0	51	10	0	111	441	N. 5	SQ.	3		
3	71	0	52	IOA	1	U			1	3		
ŝ	02	a	8	112	1	10		-	_	3		
2	OI	0	or	hin		12	BY	8.	d.	2		
5	82	0	02	112		1.1	11	0	-	2		
5	9	0	04	13	1	12	42	0	0	3		
5	91	0	71	11111	100	nos	5	0	84	3		
2	10	0	75				51	0	94	2		
3	104	0	73	34 1	N.	So.	6	0	101	2		
\$	11	0	83	1 2 1			64	0	114	5		
\$	116	0	63		-	_	7	1	07	2		
3	192	0	04	BY	1 8.	d.	71	i.	14	5		
3	10	0	o	21	0	4.3	02	1	23	5		
3	*****	1	~~~	32	0	44	0.		21	3		
3	23 T	N. 9	50.	- 4	0	34	82	1	24	3		
3	-2 -		-	42	0	53	9	1	34	3		
ž	BV	1 8.	d.	5	0	63	91	1	42	3		
ŝ				55	0	73	10	1	5	5		
£	七主	0	23	6	0	8	104	1	6	2		
ź	3	0	3	61	0	81	11	1	7	3		
ż	34	0	31	7	or	ai	114	1	73	3		
٤.	4	0	33	71	0	107	12	1	81	8		
\$	41	0	41	02	0	int	100		1	2		
	4	0	52	o	0	102	mos	****	1 22	2		
3	SX	0	SI	82	0	114				5		
3	02	0	4	9		0	51	N. S	q.	2		
3	0	0	32.	94		01				5		
ş	01	0	64	10	1	14		-	-	3		
	7	0	7	104	1	14	BY	8.	d.	3		
2	75	0	74	11	11	15		0	10	5		
5	8	0	75	114	-F	3	er	0		3		
3	84	0	81	12	CT.	33	02	0	12	3		
3	9	0	81			24	0	0	13	3		
	10	0	92	series .	~~~	1122	64	1	02	3		
	102	0	ar				7	1	12	2		
2	IOI	0	102	4 I	N. 5	59.	75	1	3 1	3		
ŝ	102	0	101	1			8	1	44	3		
ž	11	0			-	-	84	I	43	3		
2	113	0	11	BY	1 8.	d.	02	1	5	31		
2	12	0	113		0	-	10	i-	61	3		
2	insis		100	4	0	0	102	1	-3	3		
2	0.7			41	0	04	10	1	14	5		
2	3 1	4. SI	Q.	5	0	72	105	1	82	2		
3	-	-	-	53	0	81	11	1	84)	3		
3	BY	8.	d.;	6	0	9	113	1	94			
3	*	0	31	64	0	94	12	1	1011	3		
5.	0		02	-2		-41		1000.	1000	4		
20.0	10.50-1	5500		100 000						100		

at 4s. 6d. per Foot Cube. 143

5.	~~~~	*****	*****	****	son	~~~~	~~~~	nni	8
2200	51 I	N. SQ.	7 I.	. Sq	.	9 I	N. S	Q.	2222
2	BY	8. d.	BY	8. 0	d.	BY	8.	d.	į
51	51	1 0	7	I	61	9	2	6	ŝ
21	6	1 01	74	1 :	8	91	2	8	ŝ
ŝ1	日差	1 1	8	1 1	94	10	2	10	ş
31	7	1 23	85	1 1	03	10초	2	113	ş
3	72	1 4	9	11	14	11	3	14	ŝ
3	8	1 54	91	2	14	112	3	3	ş
31	82	1 01	10	2 :	22	1,2	3	42	ş
31	01	1 02	102	2 .	24				ş
2	10	1 04		2 .	5	91 I	N. 5	Q.	ì
3	104	1 10	12	2	71				ş
3	11	1 104	sense.		2	BY	5.	d.	ş
2	114	2.0	74 T	N. Se		94	2	10	ž
3	12	2 03	-2 *		-	10	2	113	3
3	~~~	m	BY	8. 1	d.	101	3	10	3
ŝ	P		74	1	94	11	3	31	ş
3	6 1	N. SQ.	8	11	03	112	3	5	ŝ
ž	-		81	2	0	12	3	63	2
ŝ	BY	s. d.	9	2	12	~****	·	~~~	3
3	6	1 14	91	2	3	10 1	N. 5	Sq.	ì
3	61	1 23	10	z	44				3
3	7	1 3	102	2	53	BY	1 8.	d.	ž
2	7.5	1 5	111	0	61	10	3	31	3
3	8	1 6	12	2	01	104	3	41	3
3	81	1 74	was	· ····		11	3	5	3
3	8	1 84	8 T	s Se	.	113	3	7	3
3	10	1 101			-	12	3	9	3
3	104	1 113	BY	8.	d.	~~~	~ ~	~~	1
2	112	2 04	8	2	0	104	IN.	So.	1000
10	114	2 2	85	2	13	1.02		~	
3	12	2 3	9	2	3	BY	1 8.	d	- 16
3	ans.	NNNN	95	2	41	10+		-	-
ŝ			10	2	6	112	18	81	1
3	61	IN. SQ.	10\$	2	74	114	3	94	-
3			111	10	101	12	13	113	1
lì	BY	s. d.	12	3	01	m.	~~~	NN	1
18	64	1 4	ana	~~~~	m	11	IN.	So.	-
3	7	1 5	84	IN. S	0.	-	-	-	1
ž	71	1 61			-	BY	8.	d.	l
13	8	1 72	BY	3.	<i>a</i> .	11	-3	94	
	81	1 9	81	2	31	112	3	112	I
	19	1 10	9	12	44	15	14	12	I
	102	2 01	91	10	01	In	Ta	Sa	
-	101	2 1	10	2	03	112	IN.	nq.	
13	112	2 8	102	12	114	BY	1 8.	d.	
	Lis	2 4	lint	3	04	TIA	4	13	
	12	2 5	12	3	24	122	4	33	1
				inne		in no	in		

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The Value of Scantlings,

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at 5s. per Foot Cube. 145

51 IN. SQ. 7 IN. SQ. 9 IN. SQ.

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146 The Value of Scantlings,

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at 5s. 6d. per Foot Cube.

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## FLAT MEASURE,

## READY CAST UP :

Wherely the Superficial Content, and consequently the Values, of any Quantity of Board, Glass, &cc. may be found, at \* sight, from 1 inch to 24 inches the breadth, and from  $\frac{1}{2}$  of an inch to 24 feet the length; and therefore, by addition only, may serve to any greater breadth or length, if there should ever be occasion.

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ş.	18	1	8	0	0	18		18	4	6	3
ŝ	19	1	9	0	0	19		19	4	9	13
3	20	1	0	0	0	20	5	20	5	0	13
ŝ.	21	2	1	0	0	21	- 5	15	5	3	ŝ
3	22	2	2	õ	õ	22	5	22	5	6	ξ
ź.	22	2	3	ŏ	õ i	23	2	3	5	9	3
ξ.	01	2	i.	õ	ŏ	24	5	1.5	6	ö	13
3	64	Ň		0	~	~.					3
3	~~~	~~~	~~~	~~~	~~~	ma	~~	100.		~~~	ŝ
						1.1					3
ş.	120	FT.	IN	• P2	1.8.	ING	FT.	IN.	PA.	. 8.	3
3	LING.					LING.					ž
							-		0	0	ş
2	1	0	T	0	0	1	0	1	0	3	3
2	2	0	\$	0	0	2	0	2	0	8	3
3	3	0	3	0	0	3	0	3	0	9	3
	4	0	9	0	0	4	0	4	1	0	3
3	5	0	5	0	0	5	0	5	1	3	3
	6	0	6	0	0	6	0	6	1	6	3
	7	0	7	0	0	7	0	7	1	9	3
	8	0	8	0	0	8	0	8	2	0	3
3	õ	0	9	Ó	0	8	0	9	2	3	ł
5	10	0	10	0	0	10	0	10	2	6	3
3	11	0	11	0	0	11	0	11	2	9	3
5	11							2			3
2	15.00	~~~	~~~	~~~	~~~	m.	~,	155.	~~~	~~~	2
3	QRS.					QRS.					Ę
3	INCH	IN.	PA.	, S,	T.	INCH	IN	. 67	. 5.	τ.	3
2	LNG.					LNG.					13
3		-	-		-		-		0	0	13
3	1	0	3	0	0	4	0	3	0	9	
5	12	0	6	0	0	2	0	6	1	0	2
3	4	0	9	0	0	1 4	0	9	2	3	
5											1

I2]TN.BRAAD.         PT.         I2]EN.BRAAD.         PT.         I2]EN.BRAAD.           LHO.         PT.IN.PA.         DEG.         PT.IN.PA.         DEG.         PT.IN.PA.           LHO.         S.2         1         0         2         1         0         0           S.3         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <th>*</th> <th>~~~~</th> <th></th> <th></th> <th></th> <th>100</th>	*	~~~~				100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	ana ana	FT.	1211n,Broad.	FT.	122 In. BROAD.	none ac a
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		LNG.	FT. IN. PA.	LNG.	FT. IN. PA.	area area
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1	1 0 6	1	109	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2	2 1 0	2	2 1 6	2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		3	3 1 6	3	3 2 3	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		4	4 2 0	4	4 3 0	20
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		5	526	5	5 3 9	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		0	7 2 0	0	9 4 0	ż
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		ŝ	8 4 0	6	8 8 0	ŝ
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		9	9 4 6	9	9 6 9	ŝ
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		10	10 5 0	10	10 7 6	ŝ
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		11	11 5 6	11	11 8 3	ş
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	13	15 6 0	12	0 8 51	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	13	13 6 6	13	13 9 9	22
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5	14	14 7 0	14	14 10 6	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	È	15	10 7 6	15	15 11 3	2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ŝ	10	17 8 8	10	18 0 0	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		18	18 9 0	18	19 1 6	ŝ
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		19	19 9 6	19	20 2 3	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		20	20 10 0	20	21 3 0	32
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		21	21 10 6	21	22 3 9	ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		22	22 11 0	22	23 4 6	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	23	23 11 6	23	24 5 3	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5	24	25 0 0	24	25 8 0	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	ξ.	*****	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Ş	IN.		IN.		ş
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		LNG.	F1. IN. PA. 8.	LNG.	P1. IN PA. 8.	2220
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Z.	1	0 1 0 6	1	0 1 0 9	1000
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	2	0 2 1 0	2	0 2 1 6	200
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	3	0 3 1 6	3	0 3 2 3	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ŝ	4	0 5 2 6	4	0 5 8 0	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	6	0 6 3 0	8	0 6 4 6	200
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ž	7	0 7 3 6	7	0 7 5 3	224
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ŝ	8	0 8 4 0	8	0 8 6 0	3
10         0         0         5         0         10         0         10         7         0           11         0         11         5         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         10         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         0         11         <	ŝ	9	0 9 4 6	9	0 9 6 9	200
11         0         11         0         18         3           0.65	ş	10	0 10 5 0	10	0 10 7 6	2000
QRS.         QRS.           INCH IN. PA. S. T.         INCH IN. PA. S. T.           INCH 2000         INCH IN. PA. S. T.           1000         100           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00           1000         00	ş	11	011 5 6	111	011 8 3	200
INCH         IN. PA. S. T.         INCH         IN. PA. S. T.           LNG         1         0         3         1         6         1         0         3         2         3           1         0         3         1         6         1         0         3         2         3           2         0         6         3         0         2         0         4         6           2         0         9         4         6         2         0         6         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9	3	~~~~.	~~~~~~~~~	1000	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	000
LNG LNG LNG.	ŝ	INCH	IN. PA. S. T.	INCH	IN. PA. 8. T.	1
1         0         3         1         6         1         0         3         2         3           0         0         6         3         0         3         0         6         4         6           1         0         9         4         6         4         0         9         6         9	3	LNG		LNG.		10.00
0 0 3 0 1 0 0 4 6 2 0 9 4 6 4 0 9 6 9	5	+	0 3 1 6	+	0 3 2 3	
20946 20969	ş	1	0 6 3 0	-	0 6 4 6	
	ş	4400	0 9 4 6	1	0 9 6 9	3

1	10000		man	
	FT.	13 IN. BROAD.	FT.	134IN.BROAD.
more	LNG.	FT. IN. PA.	LNG	FT. IN. PA.
ŝ		110	I	113
3	2	220	2	226
3	3	3 3 0	3	3 3 9
3	4	4 4 0	4	4 5 0
ŝ	5	5 5 0	5	5 6 3
2	B	6 6 0	6	6 7 6
3	7	770	7	7 8 9 3
3	8	8 8 0	8	8 10 0 3
2	0	0 9 0	0	9 11 3
3	10	10 10 0	10	11 0 6 3
2	11	11 11 0	11	12 1 9 3
2	19	13 0 0	12	13 3 0
2	10	14 1 0	13	14 4 3 3
3	13	15 2 0	14	15 5 6 3
3	17	14 2 0	10	16 6 9 3
3	10	17 4 0	16	17 8 0 3
\$	10	10 5 0	17	16 0 3 3
3	17	10 8 0	10	10 10 9
ż	18	20 7 0	10	20 11 0 3
3	19	20 1 0	10	22 1 0 3
3	20	22 0 0	20	42 2 2 2
5	21	0 8 55	13	24 2 0 3
3	22	25 10 0	02	0 0 0 0
3	23	24 11 0	23	20 4 8 2
ŝ	24	20 0 0	24	20 0 0
\$	15-11	mmmmm	11-11	mannesses
3			1.00	
5	IX.	FT. IN. PA. S.	LN.	FT. 1N. PA. 8.
5	LNG		LNG.	- 2
2				0 1 1 0 3
i	1	0 1 1 0	1	0 1 1 3 3
3	2	0 2 2 0	2	0 2 2 6 3
1	3	0 3 3 0	3	0 3 3 9
-	4	0 4 4 0	4	0 4 5 0 3
-	5	0 3 5 0	5	0 0 0 3 5
3	6	0 0 6 0	6	0 0 7 6 3
5	7	0770	17	0 1 8 9 3
3	8	0 8 8 0	8	0 8 10 0 8
2	9	0 9 9 0	9	0 9 11 3
-	10	0 10 10 0	10	0 11 0 6 5
3	11	0 11 11 0	11	1019
	11.11	mummin	mm.	monness
3	QRS.		QRS.	1
2	INCH	IN. PA. S. T.	INCH	IN. PA. S. T.
	LNG.		LNG.	
	1	0 3 3 0	1	0 3 3 9 3
	121	0 6 6 0	1	0 6 7 6 3
	2m	0 9 9 0	21-74	0 9 11 3
S	10 A	0000	4	

4	+~~~	~~	~~~	~~~~	~~~~	~~~~	~~~		~~~.	~~~	
1 and a marked	FT.		841	N, BR	10 A D	FT.	13	11	.BR	0 A D	·~~~~~
son a	LNG	1	9 T	. 1N.	ΡА.	LNG	-	FT	. 1N.	PA.	eres.
200.		1	1	1	8	1	1	1	1	0	12
211	2		2	3	0	2		2	3	6	13
ŝ	3		3	4	6	3		3	5	3	3
3	4	1	4	6	0	4		4	7	0	12
51.4	5		5	7	6	5	1	5	8	9	3
ż	6		6	8	0	6	1	6	10	6	12.
3	7		7	10	8	7		8	0	3	13
ŝ	1 0		10	-1	0	8		9	2	0	12
2	10		11	3	0	1 10		10	5	9	3
3	iii		iz.	4	ß	11			7	0	3
ŝ	12		13	8	ŏ	12		13	ò	0	3
ż	13		14	7	6	13		4	10	0	ź
5	14		15	9	0	1 14		6	5	6	3
3	15		16	10	6	15		17	2	3	3
ž	16		18	0	0	16		18	4	0	ŝ
ŝ	17		19	1	6	17		19	5	9	3
3	18		20	3	0	18	1 3	05	7	6	3
ŝ	19		61 60	4	6	19	1	11	9	3	3
ş.	20		22	7	6	20		22	11	0	ž
1	22		2.1	0	0	21		15	0	8	ş.
ŝ	23		2.5	10	6	23	1 3	B	2	8	3
ŝ,	24		27	0	0	24	i ŝ	27	15	0	3.
~~~~	~~~~	~	~~~	~~~	~~~	~~~~	~~~		~. ·.	~~~	~~~~
	IN.					IN.					3
~~~	LNG.	-		4. P2	. s.	LNO.	FT	. 15	I .PA	. s.	~~~~
3	1-	0	1	1	6	1	0	L	1	8	220
	2	0	2	3	0	2	0	2	3	6	3
ş	3	0	3	4	6	3	0	3	5	3	3
2	4	0	4	8	0	4	0	4	7	0	ŝ
	0	0	0		8	5	0	5	8	9	3
ŝ	7	0	7	10	0	6	0	6	10	8	3
3	8	0	0	10	0	6	0	8	0	3	3
51	9	0	10	ĭ	6	i i	0	10	2	0	3
3	10	0	11	3	0	10	õ	ii	5	B	5
	11	1	0	4	6	11	1	0	7	3	5
	~~~	~		~~~	~~~	non	~ ~			12	3
	QRS.					QRS.					ž
5	INCH	IN	· P.	۱. B.	т.,	INCH	IN.	PA	. 8.	T.	3
Į	LNG	-	-	_	_	LNG.	_				3
13	*	0	3	4	6	+	0	3	5	3	2
	2	0	6	9	0	1	0	8	10	8	3
	4	, 0	10	1	B	-	0	10	3	9	3
	erre	000									2

A New Table

	ferra.	*****	*****	*****	~
	<u>۱</u>		1		13
	1	14 IN. BROAD.		14.IN.BROAD	D. 5
	FT.	000000000000000000000000000000000000000	FT.		
	LINA		LNG		Ĩ
1	10.00	FT. IN. PA.	Lano	FT. IN. PA	. 1 {
	· · · · ·		[]		- 3
		120	1	1 2 3	18
1	2	240	2	246	13
	3	3 6 0	3	3 6 9	13
	4	4 8 0	4	4 9 0	15
	5	5 10 0	5	5 11 3	13
3	6	7 0 0	6	7 1 6	13
-	7	8 2 0	7	8 3 9	12
-	8	040	8	9 6 0	13
3	1 ő	10 6 0	8	10 8 3	18
- 3	10	11 8 0	10	11 10 6	13
-	Lii	12 10 0	111	13 0 9	12
2	12	14 0 0	12	14 3 0	18
3	18	15 2 0	13	15 5 8	- 3
2	1 14	16 4 0	14	16 7 6	13
3	115	17 8 0	15	17 9 0	15
3	10	18 8 0	16	19 0 0	12
ŝ	17	10 10 0	17	20 2 3	18
Ś	110	21 0 0	18	21 4 6	13
3	10	92 9 0	10	22 6 0	13
3	20	23 4 0	20	23 9 0	18
3	21	24 6 0	21	24 11 3	13
ŝ	00	25 8 0	22	26 1 6	13
3	23	26 10 0	23	27 3 9	3
3	24	28 0 0	21	28 6 0	13
3	104				18
ş	10000	**********	~~~~	*****	13
3	IN.		IN.		3
3	LNG	PT. IN. PA. 8.	LNG.	PT. IN. PA. 5.	13
ŝ.					13
3	1	0 1 2 0	1	0 1 2 3	3
ş	2	0 2 4 0	2	0 2 4 6	3
3	a l	0 3 6 0	3	0 3 6 9	3
ŝ.	4	0 4.8 0	4	0 4 9 0	3
ŝ	i s	0.510 0	5	0 5 11 3	18
ş.	6	0 7 0 0	6	0 7 1 6	3
ŝ.	7	0 8 2 0	7	0 8 3 0	3
3	8	0 0 4 0	8	0 9 6 0	÷.
ŝ.	ŏ	0 10 6 0	9	0 10 8 3	3
ŝ	10	0 1 8 0	10	0 11 10 6	3
ŝ.	11	1 0 10 0	11	1 1 0 9	2
ŝ					3
3	OPP		ORC		3
3	INCI.	IN PALS.	INCH	IN. PA. S. T.	3
100	LNO	14	LNG		5
3	und.				3
3	+	0 3 6 0	+	0 3 6 9	\$
3	1	0700	Å	0716	1
3	3	0 10 6 0	1	0 10 8 3	5
3	1	0 0 1	4 1		2

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₽.	mm	*******	·	
manner	FT.	144IN.BROAD.	FT.	143 IN BROAD.
	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.
2	1	126	1	129
5	2	2 5 0	2	2 5 6
	3	3 7 6	-3	3 8 3
	4	4 10 0	4	4 11 0
ş	5	6 0 6	5	610
	6	7 3 0	6	7 4 8
	7	8 5 6	7	878
3	8	980	8	9 10 0
ŝ.	0	10 10 6	0	11 0 0 1
ŝ	10	12 1 0	10	12 3 6
ŝ,	11	13 3 6	11	13 6 3
3	12	14 6 0	112	14 0 0
3	13	15 8 6	13	15 11 0
	1.1	16 11 0	11	17 9 6
5	15	18 1 6	15	18 5 2
ż	10	10 4 0	10	10 0 0
ξ	17	20 6 6	10	20 10 0
ž	10	21 0 0	10	20 10 9
ş	18	99 11 0	18	22 4 2
3	19	24 2 0	19	00 4 3
ŝ.	20	95 4 0	20	24 1 0
	20	26 7 0	00	27 0 0
3	22	20 1 0	22	21 0 0
ŝ	60	00 0 0	23	48 3 3 3
3	64	29 0 0	24	29 0 0
ž	10-15		10.00	10111010101010
3	IN		TN	
3	LNG.	FT. IN. PA. S.	IN.	FT. IN PA. S.
ŝ	4.40.		DAU.	
ş		0100		0.1.0.0
3	1	0 1 2 0	1	0 1 2 9
ŝ	2	0 2 5 0	2	0 2 5 6
3	3	0 3 7 6	-3	0 3 8 3
3	4	0 4 10 0	4	0 4 11 0
3	5	0 0 0 0	5	0 6 1 9
3	0	0 1 3 0	6	0 7 4 6
3	-7	0 8 5 6	7	0 8 7 3
3	8	0.980	8	0 9 10 0
3	8	0 10 10 6	9	011 0 9
3	10	1010	10	0 3 6
3	11	1 1 3 6	11	1 1 6 3
3	1010.	13 1112121200011	1110	10 11001000000
2	QRS.		QRS.	P
3	INCH	IN. PA. S. T.	INCH	IN, PA. S. T.
200	LNG		LNG.	
3		120 0 0 0		
3	1	0 3 7 6	+	0 3 8 3
3	2	0 7 3 0	1 2	0746
2	- #	0 10 10 6	1 4	0 11 0 9
de				

178

£	erer.		conor.	1000000-000000
in the second		15 IN, BROAD.		154IN.BROAD
	FT.		FT.	
SI.		······································		······································
	LNG.	FT. IN. PA.	LNG.	FT. IN. PA.
				1 9 9
		1 3 0		1 3 3
	2	2 6- 0	2	2 6 6
	3	390	3	3 9 9
	4	500	4	510
	5	630	5	6 4 3
	6	7 6 0	6	7 7 8
	7	890	7	8 10 9
		10 0 0	8	10 2 0
	0	11 2 0	0	11 5 8
	8	19 0 0	10	12 8 8
	10	12 0 0	10	19 11 0
	11	13 9 0	11	10 11 9
	13	15 0 0	12	13 3 0
	13	16 3 0	13	10 6 3
	14.	17 6 0	14	17 9 6
	15	18 9 0	15	19 0 9
	16	20 0 0	16	20 4 0
	17	21 3 0	17	21 7 3
	10	22 6 0	18	22 10 6
	10	23 0 0	10	24 1 9
	19	0 0 30	20	95 5 0
	20	25 0.0	20	20 0 2
31	21	20 5 0	00	07 11 0
	22	21 0 0	20	00 0 0
	23	28 9 0	23	29 2 9
2	24	30 0 0	24	30 0 0
ŝ.	and	mmmmm	15-55	monuman
٤		1 A A		
3	IN.	PT. IN. PA. 8.	IN.	FT. 1N. PA. S.
31	LNG		LNG.	
5				
5	1913	0 1 3 0	1	0 1 3 3
5	2	0 2 6 0	2	0 2 6 6
	3	0 3 9 0	3	0 3 9 9
5	4	0 5 0 0	4	0 5 1 0
2	4	0 6 3 0	5	0 6 4 3
	0	0 7 8 0	B	0 7 7 6
	6	0 0 0 0	7	0 8 10 9
1	7.	0 0 0 0	6	0 10 2 0
3	8	0 10 0 0	8	0 11 5 8
	9	011 3 0	9	0 11 3 3
1	10	1060	10	1080
	11	1 9 0	11	1 1 11 9
2	ann	mansusman	ner.	mannen
3	OPE	and the second	ORS.	
3	INCH.	IN. PA. S. T.	INCH	IN. PA. S. T.
2	LNG		LNG	
5	und.			
2	+	0 3 9 0	1	0 3 9 9
2	1	0 7 6 0	1 1	0776
3	1 2	0 11 3 0	1 à	0 11 5 3
2	1 3	011 0 0	11 4	

-	prove		*****		-1
	FT.	154IN, BROAD.	FT.	151IN BROAD.	
	LNO	FT. IN. PA.	LNO	FT. IN. PA.	
100	1	1.3.6	1	1 3 9	12
3	2	270	2	276	3
ş	3	3 10 6	3	3 11 3	12
3	4	520	4	5 3 0	3
3	5	656	5	6 6 9	3
3	6	790	6	7 10 6	3
3	17	906	7	923	3
3	8	10 4 0	8	10 6 0	3
3	9	11 7 6	9	11 9 9	\$
ŝ	10	12 11 0	10	13 1 6	3
ŝ	11	14 2 6	11	14 5 3	ŝ
3	18	15 6 0 .	12	15 9 0	2
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A New Table

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3	13	16 6 0	12	16 9 0	3
3	13	17 10 6	13	18 1 0	2
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3	5	0 8 10 0	4	0 2 11 0	2
2	0	0 0 10 8	5	0 0 11 9	5
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3	1010-	11 MILLION MARKEN			ž
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ner.	andra.	0 8 3 0	-	0 8 4 6	2

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A New Tuble

Pr.         TI R. BROAD.         Pr.         T. [T.] I.B.BROAD.           MAR.         Pr. IN. PA.         LAO         Pr. IN. PA.           I         1.6         0         1         1.5         3           I         0         0         1         1.5         3           I         0         0         1         1.6         0           I         1.6         0         1         1.6         0           I         1.6         0         1         1.6         0           II         1.6         0         1.6         1.6         0           III         1.4         0         1.1         1.5         3         1.5           III         1.7         0         1.2         1.7         3         1.5         3           III         1.6         1.5         1.5         1.5         3         1.5         1.5         1.6         0 <th>3</th> <th></th> <th></th> <th></th> <th></th>	3				
KNO         FT. IN. PA.         LNO         PT. IN. PA.           1         1         5         3         4         3         0         1         1         5         3           2         2         1         5         0         1         1         5         3           3         2         1         5         0         1         1         5         3           3         4         3         0         3         4         5         9         0           4         5         8         4         5         9         0         1         10         6         7         2         3         0         3         4         3         9         0         11         15         7         0         11         15         9         1         13         18         5         0         13         18         5         10         14         20         10         14         4         0         1         15         10         16         22         0         13         18         5         10         16         12         17         30         16         12		FT.	17 IN. BROAD.	FT.	174IN.BROAD.
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4         0         4         3         0         4         0         4         3         9           1         0         8         6         0         1         0         8         7         6           1         0         9         0         4         1         0         1         1         1         3		LNG.	1	LNG.	
0         4         5         0         4         0         4         5         0           0         8         6         0         1         0         8         7         6           1         0         9         0         4         1         0         1         3		1	0 4 2 0	1	0 4 3 9 3
	2	4	0 4 3 0	14	0 8 7 8 3
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3	15	21 10 6	15	22 2 3
ş	16	23 4 0	16	23 8 0 2
3	17	24 9 6	17	25 1 9 8
3	18	26 3 0	18	26 7 6 3
3	19	27 8 6	-19	28 1 3 3
3	20	29 2 0	20	29 7 0 5
3	21	30 7 6	21	31 0 9 3
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200	5	0 7 8 6	4	0 7 4 0 3
3	6	0 8 9 0	B	0 8 10 0
3	7	0 10 2 8	7	0 10 4 2 2
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3	3	4 6 0	3	4 6 9	
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22	Lii -	18 6 0	11	16 8 9	13
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3	14	21 0 0	14	21 3 6	13
ş	15	22 6 0	15	22 9 9	3
ŝ	16	24 0 0	16	24 4 0	3
3	17	25 8 0	17	25 10 3	2
ş	18	20 0 0	18	20 10 0	3
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100	22	33 0 0	22	33 5 6	3
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3	3	0 4 6 0	3	0 4 6 9	3
3	4	0 6 0 0	4	0 6 1 0	22
3	3	0760	5	0 7 7 3	222
	6	0 0 0 0	6	0 9 1 6	3
	7	0 10 6 0	7	0 10 7 9	3
	8	1 0 0 0	8	1 0 2 0	50
	9	1 1 8 0	9	1 1 8 3	ŝ
	10	1 4 8 0	10	1 4 8 0	ŝ
2		1.00	11	1 1 0 9	3
\$	ABR	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.00	*****	3
	INCH	IN. PA. 8. T.	UNCH	IN PA & T	20
5	USO.		LNG.		32
3					3
3	4	0 4 6 0	4	0 4 6 9	3
	2	0 9 0 0	- 2	0.916	210
-	4	1 1 8 0	4	1 1 8 3	2
100	00000		****		a

FT	1841	N.BR	OAD.	FT.	18≩I	N BR	OAD.	
LNG.	FT	. 1N.	РЛ.	LNO.	F	r. 1N.	PA.	
1	1	6	6	1	1	6	9	
2	3	1	0	2	3	1	6	
3	4	7	6	3	4	8	3	
4	6	2	0	4	6	3	0	
5	7	8	6	5	7	9	9	
6	9	3	0	6	9	4	6	
7	10	9	6	7	10	11	3	
8	12	4	0.	8	12	0	0	
9	13	10	0	9	14	~	9	
10	15	3	0	10	15		0	
19	10	11	0	11	10	0	0	
19	20	0	B	12	20	3	0	
14	21	7	0	10	21	10	B	
14	02	1	ß	14	23	1 5	3	
18	24		0	18	25	0	0	
17	26	2	ß	17	26	6	0	
18	27	õ	0	18	28	I	8	
19	24	3	-6	19	29	8	3	
20	30	10	0	20	31	3	0	
21	32	4	6	21	32	9	9	
22	33	11	0	22	34	4	6	
23	35	5	6	23	3.5	11	3	
24	37	0	0	24	37	6	0	
10-15	in			1 ~~~~~	· · · · ·		13811	
IN.				IN.				
LNG.	FT.	IN. P	A.S.	LNG	FT.	IN. P	A. S.	
	-	-	-		-		_	
1	0	1 1	5 15	1 1	0	1 6	0	
2	0	3	0	2	0	3	6	
3	0	4 .	7 6	3	0	4 8	3 3	
4	0	6 :	0 5	4	0	6 1	3 0	
5	0	7 1	8 6	5	0	7 5	9 9	
6	0	9 :	3 0	6	0	9 .	1 6	
7	0 1	0 9	6	7	01	10 1	1 3	
8	1	0 .	1 0	8	1	0 (	3 0	
9	1	1 10	0 6	9	11	2 1	9 9	
10	1	3 .	5 0	10	11	3 '	7 6	
11	1	41	1 6	11	1	5	2 3	
****	11 11		*****	1000	- 5000		*****	
QRS.				QRS.				
INCH	IN.	PA.	S. T.	INCH	I IN.	PA.	S. T.	
LNG.	-	-		LNG	-	_		
+	0	4	7 6	1	0	4	8 3	
4	0	9	3 0	1 1	0	9	4 8	
the	1	11	0 6	22	II	2	0 9	
* 1 1 10 0    4   1 2 0 9								

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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		PT.	19 IN. BROAD.	FT.	194IN.BROAD	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		LNG.	FT. IN. PA.	LNG	FT. IN. PA.	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	1	170	1 1	173	12
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	2	3 2 0	2	3 2 6	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	1 ã	4 9 0	3	4 9 9	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	4	640	4	8 5 0	13
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	5	5	7 11 0	5	8 0 3	15
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	1 B	9 6 0	6	0 7 8	13
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	1 7	11 1 0	7	11 2 9	12
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ż	8	12 8 0	8	12 10 0	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	0	14 3 0	0	14 5 3	12
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	10	15 10 0	10	18 0 8	18
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	10	17 5 0	11	17 7 0	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5	110	19 0 0	12	10 2 0	13
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	12	20 7 0	13	20 10 3	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	10	22 2 0	14	20 6 8	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ş	14	23 0 0	15	24 0 0	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	10	25 4 0	18	25 8 0	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	10	28 11 0	17	27 8 3	iŝ
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	110	28 6 0	10	20 10 B	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	\$	18	20 1 0	18	20 5 0	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ž	19	31 6 0	20	32 1 0	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	20	22 2 0	20	22 0 2	2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	\$	1 21	34 10 0	90	0 0 0 0	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	22	20 5 0	22	28 10 0	2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2	23	20 0 0	20	20 6 0	5
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	3	24	33 0 0	24	30 0 0	3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	3	15.00	mmmm	15-50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	IN.		IN.		3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	LNG	FT. IN. PA. S.	LNG	FT. IN. PA. S.	3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	ş				2	ŝ.
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3		0 1 7 0	-	0 1 7 3	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	1	0 3 2 0	0	0 3 2 6	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	2	0 0 0 0	2	0 4 0 0	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	3	0 6 4 0	0	0 6 5 0	5
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	- 4	0 7 11 0	5	0 8 0 3	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	22	8	0 4 4 0	6	0 0 7 6	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	7	0 11 1 0	7	0 11 2 0	3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	6	1 0 8 0	8	1 0 10 0	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-	ô	1 2 3 0	0	1 2 5 3	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	10	1 3 10 0	10	1 4 0 8	3
$ \begin{array}{c} \begin{array}{c} & & & \\ & &$	3	11	1 5 5 0	11	1 5 7 9	3
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3		1000		1010	3
QRS.         QRS. <td< td=""><td>3</td><td>13.00</td><td>************</td><td>1141-</td><td>*****</td><td>3</td></td<>	3	13.00	************	1141-	*****	3
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3	QRS.		QRS.		5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3	INCH	IN. PA. S. T.	(NCH	IN. PA. S. T.	3
+         0         4         9         0         +         0         4         9         0           +         0         9         6         0         +         0         9         7         6           +         1         2         3         0         4         1         2         5         8	3	LNG.		LNG.	-	3
4         0         9         6         0         4         0         9         7         6           4         1         2         3         0         4         1         2         3         1         2         5         3         1         2         5         3         1         2         5         3         1         2         5         3         1         2         5         3         1         2         5         3         1         3         1         2         5         3         1         3         1         3         1         2         5         3         1         3         3         1         3         3         1         3         3	5	1	0 4 0 0	1	0 4 0 0	3
1 2 3 0 4 1 2 5 3	3	3	0 0 6 0	1	0 9 7 6	2
1 1 1 0 0 0 1 211 0 0 01	-	3	1 2 3 0	23	1 2 5 3	3
	3	1	1 0 0 0	4	1 6 0 0	2

194IN, BROAD 1941N. BROAD FT. a Ó IN. FT. IN. PA. S FT. IN. PA. 

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A New Table

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		20 I )	r. Br	OAD		20	ĮΙΝ	BR	OAD	
	FT.				FT.	1				13
3		1000			11	1000	~~~	~~~~		13
	L'NG	FT	. IN.	PA.	L'LNG		ET.	IN.	PA.	.12
										13
	1		0	0	1	_		-		12
- 3		1 1	8	0	1 1	1	1	8	3	18
-	2	3	-4	9	1 2		3	4	6	13
3	3	5	0	0	3		5	0	9	13
3	4	6	8	0	4	1	6	9	0	13
3	5	8	4	0	1 5		8	5	3	13
- 2	B	1 10	. 0	0	6	1	0	i	R	13
- 3		1 11	ě	0	1 7	1 3		6	ő	15
ź		1 12	4	0	1 .		2	0	0	12
- 2	1 8	1 10	7	0	i o	1 3	0	0	0	18
S	9	10	0	0	9		0	z	3	18
3	10	16	8	0	10		0	10	U	13
3	11	18	4	0	11 11		8	6	8	13
3	12	20	0	0	1 12	1 2	0	3	0	13
3	13	21	8	0	13	2	1	11	3	13
3	14	23	4	0	14	2	3	7	6	13
3	115	25	0	0	15	2	5	8	8	13
3	10	28	8	0	1 10	0	7	0	ő	13
3	10	00	4	0	10	1 3	0	0	2	12
1	17	20	3	0	112		0	8	3	13
3	18	30	0	0	1 18	0	0	4	0	12
- 2	19	31	8	0	1 19	3	2	0	9	15
3	20	33	4	0	20	3	3	9	0	12
3	21	35	0	0	21	3	5	5	3	3
3	22	36	8	0	22	3	7	1	6	13
3	23	. 38	4	0	23	3	8	9	9	13
ŝ	24	40	0	ő	21	4	0	6	0	13
ş	-1	1.		~				~	0	3
3	100000	mm	~~~	~~~	10000	~~~~	~~~	****	~~~	15
3	INT				1.22	}				13
3	1	FT, 1.	N. P.	A . S.	124.	PT.	IN-	PA.	s.	3
ş	DNG		100		LNG.					3
ş									-	12
3	1	0 1	8	0	1	0	1	8	3	3
3	2	0 3	4	0	2	6	3	4	6	3
3	3	0 5	0	0	3	0	5	0	9	3
3	4	0 6	8	0	4	0	6	9	0	3
3	5	0 8	4	0	5	0	8	5	3	\$
3	6	0 10	0	0	6	0	10	1	6	3
5	7	011	8	0	7	0	ii.	8	9	3
5		1 1	4	0	0	1	1	B	0	ž
1	6	1 2	0	0	0	-	5	0	° 2	3
i.	1 10	1 3	0	0	9		4	10	0	3
3	10	1 4	8	0	10	1	4	10	0	5
3	11	1 8	4	0	11	1	0	9	9	3
5	and	non	in	mail	lorer.		~~		m	2
3	ORS.				OBS.					3
3	INCH	IN. PA		T	INCH	IN.	PA	8.	T	3
3	LNG				LNG					5
3	MAG.						-			5
3	1	0 5	0	0	L.	0	5	0	0	2
1	1	0 10		0	1 1	0	10	1	8	2
2	2	0 10	0	0	50	0	0	-	2	2
3	_#_	1 3	0	0	4	1	9		0	8
-0.1										-

ф.	~~~~		~~~~	·~~~		****		4
www.	РТ.	20 <sup>1</sup> / <sub>2</sub> IN.BR	DAD.	FT.	20‡IN	BR	DAD.	20 - 20
www	LNG.	FT. JN.	PA.	LNG.	FT.	17.	PA.	www.
31	1	1.8	6		1	8	9	ŝ
3	2	3 5	0	2	3	5	6	3
3	3	5 1	6	3	5	2	3	2
3	4	6 10	0	4	6	11	0	3
3	5	8 6	6	5	8	7	9	ż
3	6	+ 10 3	0	6	10	4	6	3
3	7	11 11	8	7	12	10	3	3
3	8	13 8	0	8	13	10	0	3
3	10	17 1	0	10	10	2	B	3
3	10	10 0	8	1 11	10	0	3	3
ž	12	20 6	0	12	20	8	0	3
3	13	22 2	6	13	22	5	8	2
3	14	23 11	õ	14	24	8	6	3
2	15	25 7	6	15	25	11	3	3
3	16	27 4	0	16	27	8	0	13
3	17	29 0	6	1 17	29	4	9	3
ş.	18	30 9	0	18	81	1	6	2
ŝ	19	32 5	6	19	32	10	3	3
3	20	34 2	0	20	34	7	0	3
\$	21	35 10	0	21	30	5	9	2
3	22	20 8	ß	22	30	0	0	12
ş	24	41 0	0	24	41	ß	0	3
ŝ			°.				0	3
ŝ	****	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		100.00	ma	~~~~		13
3	1N.	PT. IN. P.	A. 8.	IN.	PT. I	NP	A. 8.	3
3	LNG.			LNG.	k			3
3						_		1
3		0 1.8	0		0	18	9	3
ş		0 5 5	0	2	0	3 5	. 6	1
2	4	0 6 10	0	3	0	3 11	0	1.
3	5	0 8 6	ß	5	0	8 7	0	
3	6	0 10 3	0	6	0 1	0 4	6	
3	7	0 11 11	6	1 7	1.1	0 1	3	
5	8	1 1 8	0	8	1	1 19	0	
3	9	1 3 4	6	9	1 .	3 6	9	
2	10	1 5 1	0	10	1 .	5 3	6	
3	III	1 6 8	6	11	1	7 0	3	
22	no	······	~~~~	no		~~~	~~~~	-
52	QRS.			QRS.	+			1
20	INCH	IN. PA.	5, T.	INCH	I IN.	PA.	5. T.	1
202	LNG			LNG	-	_	_	
-	4	0 5	1 6	1	0	5 9	2 3	1
3	1	0 10	3 0	1	0 1	0	1 B	1
-	1 mg	1 8	4 6	2 ant	11	3 (	3 9	
5	-			- 4				

-2		······	*****		- 16
\$	1			1	12
3	12.00	21 IN BROAD		PLITY Doorn	
3	ET.	TIN. DROAD.	ET.	TATA DROAD.	
3	1	mmmmm		*********	3
3	LNG.		LNG		3
3	100	FT. IN. PA.		FT. IN. PA.	3
3					3
3	11	190	1	193	3
2	2	3 6 0	2	3 6 6	3
1	3	5 3 0	3	5 3 0	3
8	1	7 0 0	4	7 1 0	2
ş		0 0 0	1	6 10 2	\$
5	0	10 0 0	0	0 10 0	ş
٤.	0	10 0 0	0	10 7 0	3
ŝ	7	12 3 0	7	12 4 9	3
ŝ	8	14 0 0	8	14 2 0	ŝ
ş.	8	15 9 0	9	15 11 3	ź
ŝ.	10	17 6 0	10	17 8 6	\$
ŝ	11	19 3 0	11	19 5 9	3
ş	18	21 0 0	12	21 3 0	3
3	13	22 9 0	13	23 0 3	3
	14	24 6 0	14	24 9 6	٤
ŝ	15	26 3 0	1.5	28 8 9	ş
	16	28 0 0	18	28 4 0	3
ş.	17	20 0 0	17	20 1 2	ŝ
	10	21 6 0	10	21 10 8	ŝ.
ŝ	10	22 2 0	10	99 7 0	\$
ŝ	19	0 0 0 0	19	33 1 8	3
	05	33 0 0	20	33 3 0	3
ξ.	21	30 9 0	21	37 2 3	3
	22	38 6 0	22	38 11 6	3
8	23	40 3 0	23	40 8 9	٤.
	24	42 0 0	24	42 6 0	\$
3	11.3	mmmmm	11.11	manna	3
					ž
	IN.	FT. IN. PA. S.	IN.	FT. IN. PA. S.	2
3	LNG		LNG.		\$
3		-			3
	11	0 1 9 0	1	0 1 9 3	3
ş	2	0 3 6 0	2	0 3 6 6	ŝ
3	3	0 5 3 0	3	0 5 3 9	3
ŝ	4	0700	4	0710	ŝ
1	5	0 8 9 0	5	0 8 10 3	2
5	6	0 10 6 0	6	0 10 7 6	\$
3	7	10301	T	1049	3
	0	F 2 0 0	0	1 9 9 0	3
	0	1 2 0 0	0	1 2 11 2	ş.
	10	1 5 8 0	10	1 0 11 0	3
	10	1 0 0 0	10	1 0 0 0	3
		1130	11	1 1 5 8	٤.
	15.11	momm	mar.		3
	QRS.		QRS.		3
	INCH	IN. PA. S. T.	INCH	IN. PA. S. T.	ŝ.
2	LNG.		LNG.		ş
2					3
	2 4 1	0 5 3 0	4	0 5 3 9	3
	4	0 10 6 0	1	0 10 7 8	ž
	4	1 3 9 0	1 3	1 3 11 3	ŝ
2					2

213IN BROAD 214IN.BROAD. LNG IN IN. T. IN. PA. 1.51 H OBS

A New Table

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3	1	1		1	18
2	1	92 IN BROAD		92ITH DODIO	18
3	BT.	a this buo ab.	ET.	augen. BROAD.	13
3	1	mmmmm		mmmmm	13
3	LNG.	PP IN DA	LNO	Dan 141 ma	13
ş		FT. IN. PA.		FT. IN. PA.	13
3	1				13
3	11	1 10 0	1	1 10 3	13
3	2	3 8 0	8	3 8 6	13
5	1 . 8	5 6 0	3	5 6 0	12
3	1	7 4 0	4	7 5 0	15
3	1 7	0 2 0		0 2 2	15
3	0	11 0 0	0	8 3 3	15
2	0	11 0 0	0	11 1 0	3
ş	7	12 10 0	7	12 11 9	3
ş	8	14 8 0	8	14 10 0	ŝ
\$	9	18 8 0	9	16 8 3	K
3	10	1 18 4 0	10	18 6 6	3
3	11	20 2 0	11	20 4 9	2
ş	12	22 0 0	12	22 3 0	2
ż	13	23 10 0	13	24 1 8	\$
ŝ	111	25 8 0	14	25 11 6	3
ş	1.5	27 6 0	15	27 0 0	3
ş	18	29 4 0	18	20 0 0	3
ş	17	31 2 0	17	21 6 2	ş
ş	110	33 0 0	10	92 4 0	3
ş	18	24 10 0	18	35 4 0	3
ş	19	34 10 0	19	35 2 9	ŝ
3	20	30 8 0	20	37 1 0	ź
ì.	21	38 8 0	31	38 11 3	\$
ŝ.	22	40.4 0	55	40 9 6	3
ş.	23	42 2 0	23	42 7 0	3
3	24	44 0 0	24	44 6 0	3
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٤.					3
3	IN.	PT. IN. PA. 8.	IN.	RT. IN PA.S	ž
ξ.	LNG		LNG.		ż
Ş.					÷
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	2	0 3 8 0	2	0 3 8 6	3
ŝ	3	0 5 6 0	3	0 5 6 9	ŝ
ş.	4	0 7 4 0	4	0 7 5 0	5
ş	5	0 9 2 0	5	0 0 3 3	3
\$	0		4	0 11 1 0	ŝ
	0	1 0 10 0	0	1 0 11 0	ź
	7	1 0 10 0	7	1 0 10 0	Ś
2 I	8	1 2 8 0	8	1 2 10 0	3
ŝ	9	1480	9	1 4 8 3	ξ.
	10	1 6 4 0	10	1 8 8 8	ş.
	11	1820	11	1 8 4 9	Ł
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	QB5.		QRS.		ž
	INCH	IN. PA. 8. T.	INCH	IN. PA. 8. T.	ż.
3	LNG		LNG	~	ŝ
					3
	4	0 5 6 0	+	0 5 6 9	ŝ.
8	1	0 11 0 0	1	011 1.8	3
2	24	194 6 0	23	1483	3
	- 1		4 1		2

4	mm	*********				suns
3	1				1	13
3		22LIN BRO	n		2241 BP	OAD :
3	FT.	00213,0000		PT.	eedin Du	3
ž		1212111111111	~~		*******	1 11 11
3	LNG.	RT IN F		LNG.	PT IN	PA
2		P1.10. 1	A.		P1. 18.	FA. 3
ş		-		-		- 5
ş	1	1 10 6	۶	1	1 10	9 3
ŝ.	2	390		2	3 9	6 3
ź	3	576	5	3	5 8	3 ?
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A New Table, &c.

IN. BROAD IN. QRS.

OF THE

NAILS.

TELATAN

DIRICIRS

AS I know of no materials relating to building, in which so great abuses and impositions constantly occur, as in the article of Nails, I shall be very particular in my directions concerning them, in hopes of preventing such practices for the future.

Nails are of many sorts, and of several of those sorts there are great variety.

N. B — The Wholesale Dealers in Nails have found it necessary to distinguish them into General and Special. But first of what they understand hy General Nails.

Under the General sorts of Nails they compreheud, 1. Brads, 2. Hobbs, and 3. Nails.

 BRADS; vlz. Bill-Brads, Plain-Brads, and Gunner-Brads.

2. HOBBS; viz. Clasp-Hobbs, Dye-Hobbs, Rose-Hobbs, Skidder-Hobbs, and Thick-Hobbs.

3. NAILS; viz. Deck Nails, Flat-head Nails, Flat-point Nails, Draw Nails, Lead Nails, Rose-Nails, Scupper-Nails, Sharp-Nails, Middle-Nails, Square-Nails, Prigg-Nails, Spike-Nails, &c.

N. B.—The above, which are known by the cames of *General* Nails, are sold by the tbousand, and including them all, the prices are from 8d. to 12s. per thousand, and the weight from 24oz. to 40th, per thousand

Note-A thousand of Nails is 1200, there being 120 to the hundred.

87 If you would upderstand how to buy Nails, of any of the above sorts, (for there are several sizes and prices of each sort) you must observe the following Table. THE USE OF THE FOLLOWING

# TABLE.

Having the PRICE to find the WEIGHT.

#### EXAMPLE I.

If a thousand of Rose-Nails cost 2s 3d, how much ought they to weigh?

Look in the Table for 2s. 3d. the price, and against it is 5lb. 4oz. and so much a thousand of Rose-Nalls (which cost 2s. 3d.) ought to weigh.

### RXAMPLE II.

If a thousand of Rose-Nails cost 12s. how much ought they to weigh?

Look in the Table for 12s. the price, and against it is 40lb. and that is the weight of a thousand of Rose-Nails, which cost 12s.

### Having the WEIGHT to find the PRICE.

#### EXAMPLE I.

What is the price or value of a thousand of Sharp-Nails that weigh 2lb. Soz ?

Look in the Table for 2lb. 8oz. the weight, and against it stands is  $4\frac{1}{2}d$ , and that is the price of a thousand of Sharp-Nails, which weigh 2lb. 8oz.

#### EXAMPLE II.

What ought I to pay for a thousand of Sharp-Nails that weigh 36lb.?

Look in the table for 36th, the weight, and against it stands 11s, and that is what I ought to pay for them.

And so you may find either the weight or value of any other of the General Sorts of Nails; and the same method is to be observed for finding the weight or value of any of the Special sorts of Nails.

## THE TABLE

OF THE

Prices and Weight of the General sorts of Nails, viz.

1. BRADS-viz, Bill-Brads, Plain-Brads, and

1010-101	Price per Thousaud.	Should weigh per Thousand.	Price per Thousand.	Should weigh per Thousand.	******		
anone service and an and	*. d. 0 73 0 8 0 8 1 0 9 0 9 1 0 9 1 0 9 1	10. 0x. 0 24 0 5 0 6 0 8 0 9 0 10	s. d. 2 8 2 9 2 10 3 0 3 3	<i>ib. oz.</i> 6 8 6 12 7 0 7 8 8 0 9 0			
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	NAILS.           Fial-pointed, Strong, or Draused.           The Price           The Price           Namo           e. d. £ e. d.           2 0 111 0 4 0 1 9 0           2 6 110 0 5 0 1 9 0           3 4 1 9 0 6 0 1 9 0						

# THE TABLE

OF THE

Price and Weight of the Special sorts of Nails.

	Batten Brads.								
Price per Thousand.	Should weigh per Thousand.	Price per Thousand.	Should weigh per Thousand.						
s. d. 0 8½ 0 11	10. oz. U 8 U 14	s. d. 1 9 1 10	1b. oz. 2 12 2 14						
$ \begin{array}{c} 0 & 11_{\frac{1}{2}} \\ 1 & 3_{\frac{1}{2}} \\ 1 & 3_{\frac{1}{2}} \\ 1 & 4 \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 4 2 10	3 0 4 0 5 0						
Clout	Nails.	Dog Nails.							
Price per Thousand.	Should weigh per Thousand.	Price per Thousand.	Should weigh per Thousand.						
	1b. oz. 4 8 7 0 8 0	s. d. 3 9 4 9 6 0	1b. oz. 9 0 12 0 16 0						
Clout Price per Thousand.	Brads. Should weigh per Thousand.	N. B. There are larger Dog Nails, viz. from 201bs. to 1201bs. per thou- sand, and are sold at 4d. per lb.							
1. d. 3 6	1b. oz. 9 0								
Round H	Round Head Nails. Tenter Hooks.								
Price per Thousand.	Should weigh per Thousand.	Price per Thousand.	Should weigh per Thousand,						
$\begin{array}{c} s. \ d. \\ 0 \ 11\frac{1}{2} \\ 1 \ 0\frac{3}{4} \\ 1 \ 2 \end{array}$	1b. oz. 0 13 1 0	s. d. 1 3 1 6	10. oz. 10 18						
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3 3 4 4 5 6	7 0 10 0 13 0	18 0	40 0						



THE

## PRICES

JOINERS' TOOLS. Sec.

# Augers.

THERE are 12 sizes of Augers, which are sold from 1s. to 4s. a piece, viz.

Those which are  $\frac{1}{2}$  inch at 1s  $\frac{1}{6}$  inch at 1s  $\frac{1}{6}$  inch at 1s  $\frac{3}{64}$  inch at 1s  $\frac{3}{64}$ . 1 inch at 1s  $\frac{3}{64}$ . If inch at 1s  $\frac{3}{64}$ . If inch at 1s  $\frac{3}{64}$ . At 2s. 1 $\frac{3}{6}$  inch at 2s.  $\frac{6}{64}$ . 1 $\frac{1}{2}$  inch at 2s.  $\frac{3}{64}$ . and 2 inches at 4s. a piece.

## Hammers.

THERE are several sorts of Hammers, but I shall only take notice of those known by the names of Claw-Hammers, Welded Cheek-Hammers, and Lathing-Hammers.

There are several sorts of Claw-Hammers, which are sold from 2s. 8d. to 8s. per dozen, viz.

At 2s. 8d. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. and at 8s. per dozen.

There are four sorts of Welded Cheek-Hammers, which are sold from 11s. to 16s. 6d, per dozen, viz.

At 11s. at 12s. at 14s. and at 16s. 6d. per dozen.

There are four sorts of Lathing-Hammers, which are sold from 10s. to 15s. per dozen, viz.

At 10s. at 12s, at 14s. and at 15s. per dozen.

# Axes, Adzes, and Hatchets.

THERE are also three sorts of Axes, which I shall take notice of, viz. Felling-Axes, House-Axes, and Lopping-Axes.

There are four sorts of Felling-Axes, which are sold from 1s. 5d. to 2s a piece, vis. Prices of Joiners' Tcols. 203

No. 1 at 1s 5d. No. 2 at 1s. 6d. No. 3 at 1s. 10d and No 4 at 2s. a piece.

There are also four sorts of House-Axes, which are sold from 2s. 6d. to 3s. 6d. a piece, viz.

At 2s. 6d. at 3s. at 3s. 3d. and at 3s. 6d. a piece.

Likewise there are four sorts of Lopping-Axes, which are sold from 17s. to 24s. per dozen, vlz.

At 17s. at 18s. at 22s. and at 24s. per dozen.

There are two sizes of Adzes, one at 20d. and the other at 2s. a piece.

There are two sizes of Joiners' Hatchets, the one is sold at 18s. and the other at 20s. per dozen.

Saws.

THERE are several sorts of Saws, both of steel and iron, viz. Compass Steel Saws, Grafting-Saws, Hand and Pannel Saws, Tennot-Saws, Two Hand Peg Tooth-Saws Whip Steel-Saws, Rib Steel-Saws.

Compass Steel-Saws are sold by the dozen, viz.

Those of 12 inches at 8s, and those of 15 inches at 10s, per dozen.

Grafting-Saws are also sold by the dozen, viz.

Those of 10 inches at 9s. 12 inches at 12s. 14 inches at 14s. 16 inches at 10s. and 15 inches at 18s. per dozen.

Hand and Pannel-Saws are likewise sold by the dozen, viz.

Those of 20 inches are at 22s. 22 inches at 25s. 24 inches at 28s. and 26 inches at 30s. per dozen.

Hand and Pannel-Saws (extraordinary) hardened plates, viz.

Those of 22 inches are sold at 4s. 6d. 24 inches at 5s. and 26 inches at 5s. 6d. a piece.

Tenant-Saws, hardened plates (extraordinary) are sold at 55s. per dozen.

Two Hand Peg Tooth and Whip Steel-Saws: of these there are 13 different sorts, which are sold from 6s. 6d. to 30s. a piece, viz.

Those of 3 feet at 6s. 6d.  $3\frac{1}{2}$  feet at 7s. 8d 4 feet at 9s.  $4\frac{1}{2}$  feet at 10s. 5 feet at 11s.  $5\frac{1}{2}$  feet at 13s. 6 feet at 15s. 6 feet at 16s. 7 feet at 17s.  $7\frac{1}{2}$  feet at 20s. 8 feet at 22s.  $5\frac{1}{2}$  feet at 25s. and 9 feet at 30s. a piece.

## Prices of

Rib Steel-Saws are sold singly, viz,

Those of 5 feet at 8s.  $5\frac{1}{2}$  feet at 9s. and 6 feet at 10s. a piece.

## White's Saws.

Hand Saws, whet and set, are sold singly, viz.

Those of 22 inches at 6s. 24 inches at 6s. 6d. and 26 inches at 7s. a piece.

Pannel-Saws, made by White, whet and set, are sold at 6s. a piece.

Tenant-Sawa, made by White, whet and set, are sold at 7s. a piece.

Whip-Saws, made by White, whet and set, with tillers, and set: of these there are seven sizes, which are sold as follows, viz.

Those of 6 feet at 28\*, 6 $\frac{1}{2}$  feet at 32s, 7 feet at 34s, 7 $\frac{1}{2}$  feet at 35s, 8 feet at 42s, 8 $\frac{1}{2}$ feet at 44s, and 9 feet at 50s.

## Iron Saws.

Iron Hand Saws are sold by the dozen, wiz.

Those of 17 inches at 8s. 18 inches at 9s. 19 inches at 10s. 20 inches at 12s. 22 inches at 13s. and 24 inches at 16s. per dozen.

Iron Two Hand, Peg Tooth, and Whip-Saws, are sold singly, viz.

Those of 3 feet at 3s,  $3\frac{1}{2}$  feet at 3s, 6d, 4 feet at 4s,  $4\frac{1}{2}$  feet at 4s, 6d, 5 feet at 5s,  $5\frac{1}{2}$  feet at 5s, 6d, 6 feet at 6s, 6d,  $6\frac{1}{2}$  feet at 7s, and 7 feet at 7s, 6d,

Hand Saw Screws are sold at 6s. per gross.

Hand Saw Sets are sold at 2s. per dozen. But the very hest are 3s. per dozen.

Stone-Saws are sold at 35s. per hundred weight.

# Chizels.

There are several sorts of Chizels, viz. Firmers and Gouges, Mortice-Chizels, Paring-Chizels, Broad-Chizels, Hending-Chizels, Scribing-Chizels, Turning-Chizels, and Socket-Gouges; all which are sold by the dozen, viz.

Firmers and Gouges shouldered, those of an inch or under, at 20d. per dozen; those from  $l_{\frac{1}{2}}$  inch to  $l_{\frac{1}{2}}$  inch, at 2s. per dozen; those from  $l_{\frac{1}{2}}$  inch to 2 inches, at 2s. 6d. per dozen.

N. B.-Of these there are a longer sort, which are 4s, per dozen.

Mortice-Chizels at 4s. 6d. per dozen. Paring-Chizels at 7s. per dozen.
Joiners' Tools, &c.

N. B.-There are a better sort of Paring Chizels which are 8s. per dozen.

Broad-Chizels are 7s. per dozen.

Heading-Chizels, those of ½ Inch, are 4s. per dozen.

And those of 2 inch and inch are 6s. per dozen.

Scribing-Chizels are 5s. per dozen; Turning-Chizels and Gouges are 5s. 6d. per dozen.

Socket-Gouges are 5s. per dozen.

Compasses.

Of these there are 7 sizes, which are sold from 20d. to 3s. 4d. per dozen, viz.

At 20d. at 2s. at 2s. 3d. at 2s. 6d. at 2s. 9d. at 3s. at 3s. 4d. per dozen.

Compasses with Steel Sweeps are of dif ferent sizes, and are sold singly, viz.

Those of 12 inches at 2s dd. 13 inches at 2s. 0d. 14 inches at 3s. and 15 inches at 3s. 6d. per pair.

Of these there are the following sorts, viz.

Brick Trowels at 10s. per dozen. Setting Trowels at 8s. per dozen. Stopping Trowels at 8s. per dozen. Stone Trowels at 10s. per dozen. And Laying Trowels at 10s. per dozen.

Jack, or Hand Screws (single.)

Of these there are several sizes, which are sold by the pair, viz.

Those of  $\frac{1}{2}$  inch at 16s, those of  $\frac{1}{3}$  inch at 25s, those of  $\frac{1}{3}$  inch at 26s, those of an inch at 30s, those of 1 $\frac{1}{3}$  inch at 31s those of 1 $\frac{1}{3}$  inch, at 4s, a pair, 1ach, 1 $\frac{1}{3}$  inch, at 4s, a pair.

# Jack, or Hand Screws (double)

Are sold by the pair, viz. those of  $1\frac{1}{2}$  inch at 40s, and those of  $1\frac{1}{2}$  inch at 80s.

### Bolts.

There are several sorts of Bolts, viz Balcony Bolts, Spring Bolts, Sash Bolts and Shutter Bolts,

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Some Balcony Bolts are sold by the dozen, and some by the pair; there are ten sorts of those which are sold per dozen, wiz.

At 6s. at 7s. at 9s. at 12s. at 15s. at 18s. at 22s, at 24s. at 26s. and at 28s. per dozen.

Balcony Bolts, sold by the pair, of these there are eight sorts, viz.

At 3s. at 3s. 6d. at 4s. 6d. at 5s. at 5s. 6d. at 7s. at 9s. and at 13s. per pair.

Spring Bolts and Sash Bolts are sold by the dozen, and of these there are 15 sorts, viz.

At is. 6d. at is. 10d. at 2s. 3d. at 2s. 4d. at 2s. 9d. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 6s. 6d. at 9s. at 12s. at 13s. at 15s. and at 18s perdozen.

Shutter Bolts are sold per the dozen; and of these there are five sorts, viz.

At 10s. at 12s. at 14s. at 16s. and at 18s. per dozen.

Latches.

Of these there are several sorts, viz. Long Tinned Latches; Varnished Latches; Spring and Thumh Latches, with Brass Knobs; and Rimmed Latches.

Long Tinned Latches are sold by the dozen, and of these there are 7 sorts, viz.

At 2s. 3d. at 2s. 6d. at 3s. at 4s. at 4s. 6d. at 6s. and at 7s. per dozen.

Varnished Latches are sold by the dozen, and of these there are 5 sorts, viz.

At 2s. 6d. at 3s. at 4s. at 6s. and at 8s. per dozen.

Spring and Thumb Latches are sold by the dozen, and of these there are 9 sorts, viz.

At 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. at 8s. at 9s. at 12s. and at 14s. per dozen.

Latches with Brass Knobs are sold by the dozen, and of these there are 3 sorts, viz.

At 14s. at 16s. and at 18s. per dozen.

Rimmed Lutches: of these there are sundry sorts, viz. Iron Cased, Brass Cased, and some Sliding Cused, and some not Cased; these are sold singly, and are from 1s. 10d. to 10s. a piece, viz.

At 1s. 10d. at 2s. 2d. at 2s. 4d. at 3s. at Ss. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 6s, 6d. at 8s. 6d. at 9s. at 10s. at 12s. at 13s. and at 16s. a piece.

# Hinges.

There heing several sorts and many sizes of Hinges, the wholesale Smiths and Ironmongers, to avoid, as much as possible, too preat a multiplicity of prices, have contrived to class and consider several sorts together, after such a manner, that the prices set down under each class or sortment are applicable to the whole.

Black Hinges, Chest Hinges, Chest Hasps, Hooks and Hinges, Scuttle Hinges, Strap Hinges,

The above sorts are sold by the dozen, as follows, viz.

At 3s. 3d. at 4s. 3d. at 5s. 3d. at 6s. 3d. at 7s. 6d. at 8s. 6d. and at 10s. 6d. per dozen.

Cross Garnet Hinges with rising joints, are sold by the dozen; and from 6s. 6d. to 15s. 6d. viz. at 6s. 6d. at 8s. 6d. at 10s. 6d. at 13s. 6d. and at 15s. 6d. per dozen.

Cross Garnet and Scuttle Hinges that are weighty, are sold at 32s. 6d. per hundred weight.

But if more than 25 pair to the hundred weight, then at 12d. per hundred more.

Cross Garnet Hinges, with filed joints, are sold at 37s. 6d. per hundred weight.

Hinges with hooks are sold at 30s. per hundred weight.

N. B .- Sometimes they have Stay-Hooks, and then they are 2s per hundred more.

Holdfasts and Wall-Hooks are sold at 33s. per hundred weight.

Ditto for joiners are sold at 41d. per pound,

Hooks and Eyes, for gates, are sold at 84d. or 34d. per pound.

The cheaper sort of Hinges are Lancashire Hinges, Balcony Hinges, Chest Hinges, Dove Tailed Hinges, Cross Garnet Hinges, Shutter Hinges. Pew Hinges, Box Hinges, Side Hinges, and Bed Hinges.

N.B.-These sorts are sold by the dozen, viz.

At 1s. at 1s. 2d. at 1s. 6d. at 2s. 6d. at 3s. at 4s. at 5s. at 8s. at 10s. at 12s. at 14s, at 16s. at 18s. at 20s. at 24s. and at 30s. per dozen.

Smooth filed Hinges, viz. Balcony Hinges, Box Hinges, Chest Hinges, Clock Case Hinges, Desk Hinges, Pew Hinges, Shutter Hinges, Side Hinges, and Tumblers.

N. B .- These Hinges are sold by the dozen as follows, viz.

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At 1s. 6d. at 1s. 8d. at 1s. 9d. at 2s. at 2s. 2d. at 2s. 6d. at 3s. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d at 7s. at 9s. at 10s at 11s. at 14s. at 16s at 20s. at 22s. at 24s. at 26s. at 30s. at 36s. and at 42s. per dozeu.

Some smouth filed Hinges are sold by the pair, and are from 4s. to 7s. viz.

At 4s. at 5s. at 5s. 6d. at 6s. and at 7s. a pair.

The best IL Hinges are sold by the pair, viz.

Those of 6 inches at 9d. 7 inches at 10d. 8 inches at 1s. 9 inches at 1s. 2d, 10 inches at 1s. 6d. 11 inches at 2s. and 12 inches at 2s. 9d. a pair.

N. B.-There are larger sizes, which are sold at 10d. per pound.

II. Hinges, with rising joints, are sold by the pair, as follows, viz.

Those of 7 inches at 1s. 2d. 8 inches at 1s. 6d. 9 inches at 1s. 9d. 10 inches at 2s. 2d. 11 inches at 3s. and 12 inches at 4s. a pair.

N. B.-There are larger sizes, which are sold at 10d. per pound.

Pew Hinges are sold by the dozen, as follows, viz.

Those of 6 inches at 9s. 7 inches at 13s. 8 inches at 17s, 9 inches at 21s. and 10 inches at 26s. per dozen.

Shutter Hinges are sold by the dozeu, viz.

Threes of 6 inches at 7s. 7 inches at 10s. 8 inches at 12s. and 9 inches at 16s. per dozen.

Side Hinges are sold by the dozen, as follows, viz.

5 inches at 4s.6d. 6 inches at 6s. 7 inches at 8s. 8 inches at 10s. 9 inches at 12s. and 10 inches at 13s. per dozen.

The hest Dove-tailed Hinges are sold by the pair. viz.

Thuse of 3 inches at 3s.  $3\frac{1}{2}$  inches at 4s. 4 inches at 4s. 6d.  $4\frac{1}{2}$  inches at 5s. and 5 inches at 6s, a pair.

## Locks.

The different sorts of Locks are almost innumerable, as it respects the making and contriving their wards and guards, &C., and a more particular account than what I shail give of them, would, by the generality of readers, 1 presume, he thought superfluous; the Locks I shall exhibit the prices of, are, Joiners Tools, &c.

1. Bastard Banbury Stock Locks.

2. Livery Stock Locks.

3. Plate Stock Locks.

4. Plate Closet Locks; ditto with screws; ditto with single springs; ditto with double springs.

5. Spring. Stock Locks, twice dead ; Spring Stock Locks, twice dead in snite.

6. Iron Rimmed Locks, once dead; twice dead and pull back with brass knobs; one bolt, two bolts, and three bolts, plain, and wards hound.

7. Brass Rimmed Locks ; closet with spindles : not cased, cased, and silding case.

8. D Gate Locks, with two wards, three wards, steel wards, slit key, or letter key.

9. Hanging Locks; Pad Locks, Slit Keyed Locks, Bridged and Secret Padlocks.

10. Cabinet Locks, Box Locks, Cup-hoard Locks, and Till Locks.

11. Cabinet Locks, Till Locks, Scrutoire Locks, Desk Locks, Book Case Locks, in suite; Five Locks and one key. 12. Inside Locks for chests, desks, tills,

cupboards, and boxes, viz. X Keys, X Wards, XX Wards, XX and

Bullet Wards, S Bitted, &c.

13. Outside Locks for boxes, chests, tronks, and band boxes.

14. Very small X Word, Cuphoard, and Till Locks.

I shall begin with those which the wholesale dealers price distinctly'; and it must be observed, (by such as would attain a true notion of these things,) that as it was in the case of some Hinges, so it is in the case of some Locks; the wholesa'e Ironmongers and Smiths, to avoid as much as possible too great a multiplicity of prices, have contrived to class, or sort, several kinds of Locks together, so that the prices set down shall he applicable to all the sorts in each class,

Bastard Banhury Stock Locks, are sold by the dozen, viz.

At 6s. at 7s. at 8s. and at 9s. per dozen. Livery Stock Locks are sold from 6s. 6d. to 24s. per dozen, viz.

At 6s. 6d. at 8s. 6d. at 9s. nt 11s. nt 14s. at 16s, at 20s. at 22s, and at 24s, per dozen. Plate Stock Locks are sold from 5s. to

27s. per dozen, viz.

At 8s. at 9s. at 11s. at 2s. at 14s. at 16s. nt 20s. at 22s. at 24s and at 27s. per dozen.

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Plate Closet Locks : of these some are sold by the dozen ; some are sold singly, with screws; some are sold singly, with single springs; and some are sold singly, with double springs: those sold by the dozen are from 11s, to 20s, viz.

At 11s. at 12s. at 14s. at 16s. and at 20s. per dozen.

Those sold singly with screws, are from 18d. to 3s. 6d. a piece, viz.

At 1s. 4d. at 1s. 8d. at 1s. 10d. at 2s. 2d. at 2s. 9d. and at 3s. 6d. a piece.

Those sold singly with single springs, are sold from 6s. 6d. to 9s. a piece, viz.

At 6s. 6d. at 7s. at 5s. and at 8s. a piece. Those sold singly, with double springs, are sold from 12s. to 16s. a piece, viz.

A1-12s, at 14s, and at 16s, a piece.

Spring Stock Locks, twice dead, are sold from 2s. 2d. to 9s. 6d, a piece, viz.

At 2s. 2d. at 2s. 4d. at 2s. 10d. at 3s. 6d. at 4s. 6d at 5s. 6d. at 7s. at 8s. and at 9s. 6d. a pièce.

Spring Stock Locks twice dead, in suite, are from 11s. to 50s. viz.

At 11s. at 14s. at 16s. at 20s. at 22s. at 24s. at 26s. at 33s. at 40s. and at 50s. a piece.

Iron Rimmed Locks are of sundry sorts, viz.

Once dead, twice dead and pull-backs, with brass knobs, one bolt, two bolts, and three bolts; plain, and wards bound.

Brass Rimme t Locks, Closet, with spiudles, not cased, cased, and sliding cased.

N.B.-The above Locks are of several prices, viz, from 11d. to 32s. a piece, viz,

At [1d, at 1s, at 1s, 2d at 1s, 0d, at 1s, 7d, at 1s, 10d, at 2s, 2d, at 2s, 4d, at 2s, 0d, at 2s, 0d, at 3s, at 3s, 0d, at 4s, at 4s, 3d, at 4s, 0d, at 4s, 0d, at 5s, 0d, at 0s, at 0s, 0d, at 7s, 0d, at 8s, at 8s, 0d, at 0s, at 0s, 6d, at 10s, at 12s, at 13s, at 16s, at 18s, at 15s, at 2ss, at 2ds, and at 32s, a piece.

Besides those Iron Rimmed Locks, and Brass Rimmed Locks, before mentioned, there are also 26 sorts which are sold in suite, viz.

At 14v. at 16s. at 10s. at 21s. at 24s. at 20s. at 28s. at 30s. at 33s. at 30s. at 38s. at 42s. at 48s. at 54s. at 60s. at 65v. at 68s. at 70s. at 76s. at 84s. at 90s. at  $\mathcal{L}_{5}$ . at  $\mathcal{L}_{5}$ . 10s. at  $\mathcal{L}_{6}$ . at  $\mathcal{L}_{6}$ . and at  $\mathcal{L}_{7}$ . per suite.

D Gate Locks, if two wards, three wards, steel wards, slit key, or letter key, are from 2s. 6d. to 14s. per dozen, viz. Juiners' Tools, &c.

At 2s. 6d. at 2s. 9d. at 3s. at 3s. 4d. at 3s. 6d. at 4s. at 4s. 6d. at 5s. at 7s. at 7s. 6d. at 9s. at 9s. at 11s. and at 14s. a dozen.

Hanging Locks, Padlocks, and Slit-keyed Locks, are from 3s. 6d. to 16s. per dozen, viz.

At 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. at 8s. at 9s. at 10s. 6d. at 12s. at 14s. and at 16s. per dozen.

Bridged and Secret Padlocks ; some are from 9s. to 16s. per dozen, viz.

At 9s. at 11s. at 14s. and at 16s. a dozen. Bridged and Secret Padlocks; some are sold singly, and those are from 20d. to 5s. 6d. a piece. viz.

At 1s. 8d. at 1s. 10d. at 2s. 2d. at 2s. 0d. at 2s. 9d. at 3s. 6d. at 4s. and at 5s. 6d. a piece

Cabinet Locks, Box Locks, Cupboard Locks, Till Locks, (whether in suite or not,) are from 3s. 6d to 16s. per dozen, rize

At 3s. 6d. at 3s. 8d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. at 8s. at 10s. at 11s. at 14s. and at 16s. per dozen.

Cabinet Locks, Till Locks, Escrutoire Locks. in suite, five Locks and one key, Desk Locks, and Book Case Locks, are from 2s. to 7s. a piece, viz.

At 2s. at 2s. 6d. at 3s. at 3s. 6d. at 4s. at 5s. 6d. and at 7s. a piece.

N.B.- There are some of bigher price, but not of common nse.

Of Inside Locks for chests, desks, tills, cupboards, and boxes, there are sundry sorts, viz.

X Keys, X Wards, XX Wards, XX and Bullet Wards, S Bitted Spring, &c. and these are sold from 3s. 2d, to 36s. per dozen, viz.

At 3s. 2d. at 3s. 6d. at 4s. at 4s. 4d. at 4s. 6d. at 4s. 6d. at 5s. 3d. at 5s. 6d. at 5s. 5d. at 7s. at 6s. at 9s. at 11s. at 12s at 14s. at 16s. at 20s. at 22s. at 26s. at 28s. and at 36s. a dozen.

Inside Locks not sold in dozens, but single, viz.

At 2s. 2d. at 3s. at 3s. 6d. at 4s. 6d. at 5s. at 5s. 6d. at 7s at 8s. and at 11s. a piece.

Outside Box and Chest Locks, sold by the dozen, are from 3s 2d. to 19s. viz.

At 3s. 2d. at 3s. 6d. at 4s. at 4s. 6d. at 5s. 6d. at 7s. at 7s. 6d. at 8s. at 9s. 6d. at 11s. at 14s. at 16s. and at 19s. per dozen.

Outside Locks for Trunks and Band Boxes, are sold at 5s. 6d - Ditto plain dril-

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212 Prices of Joiners' Tools, &c. led at 7s. X Wards at 8s. Raised at 14s. per dozen. Ditto small X Wards Cupboard and Till Locks, are sold per dozen, viz. At 4s. 6d. aud at 5s. per dozen.

## Iron Work,

Done by the pound Weight, is

Casements for Wiudows, Cross Window Bars, filed, and Work of the like nature, at 4<sup>1</sup>/<sub>2</sub>d. per pound.

Iron Doors and Shutters, at 10d. per pound.

All hammered work, as Chimney Bars, Stays, Upright Window Bars, Iron Fenders, Shutter Bars, Pump Work, Bolts, Saddle Bars, Cramps, Hold-fasts, Wall Hooks, Gudgeons, Hoops, and all Black Work of the same nature, at 34d, per pond.

Pins, Hoops, Chains, Hooks, dcc. to stable-bails, at 4d, per pound,

Printed by Oliver & Boyd, Tweeddale Court, Higb Street, Edinburgh







