Conversations,

BETWEEN

JAMES BLOCK, Esq.

AND

IILLAR, the Editor of the Monthly Miscellany,

UPON THE CAUSES OF

The Distresses of the Country,
AND THEIR PROBABLE REMEDIES.

FOUNDED UPON A FACT.

In which are noticed,

Debt, falsely called, National—Interest of that Debt—Sink-g Fund—Seventy Millions of Taxes—Tax Eaters—£200,000 hich the Borough Faction pocket annually out of the Taxes—tate Paupers—Abolition of Sinecures, Pensions, Grants and moluments, not merited by Public Services—Sale of Seats in arliament—Unequal State of the Representation, and Reform the Commons House of Parliament—Equal Laws—Univer-Suffrage—Annual Parliaments, &c. &c.

PART I.

nees and Peers may flourish and may fade, reath can make them as a breath hath made: t a bold Peasantry, their Country's pride, hen once destroy'd can never be supply'd."

GOLDSMITH.

AYR:

Printed by D. Macarter & Co. for the Author.

1817.

Entered in Stationers' Hall.

PREFACE.

As it is customary to say something by way of Proface, it may be noticed here, that these Conversations have made some noise both in Glasgow and Paisle. The Blockites, or perhaps they should rather be termed Block-heads, affirm that the victory was gained have Block. This Millar's party as strenuously denoted in consequence of this difference of opinion, it was thought advisable to publish the whole controversy detached parts, at a low price, and then all particinterested would have it in their power to judge for themselves, who had the better or worse of the dispute.

CONVERSATION FIRST.

On Monday evening, the 25th November, 1816, Millar was in his shop alone, perusing a mathematic author, up drives his shop door, and in steps Jam

Block, Esq.

Block—Well, Millar, I hear that in a lecture which you delivered on Saturday night last, you had the a dacity to insult the revered memory of LORD NE SON, the greatest Admiral that ever sailed upon the sea, who terminated his glorious career, in as glorious a manner. Not content with Lord Admiral Nelso you also basely attacked that worthy old veteran Blocher. Nor could you be satisfied with these two, be you must haul in by the head and shoulders, the everto-be admired Lord Wellington, whose deeds of far shall shine in the annals of our country, till time self expire. And those brave heroes, who fell in suan glorious cause, will be rewarded with crowns of glary in Ireaven.

Millar—I think, Mr Block, you have a great deal of impudence, to come and treat me in such a manner in my own shop, whatever I said in my discourse on Saturday evening, I had a right to do so, independent if you, Sir. If you had attended upon that discourse ourself, and heard with your own ears, what I said, you would not have had the smallest reason to be in a cassion about any expression that I used that evening, oncerning these Characters you mention.

Block. It may be so, perhaps I may have got a bad

et of it.

Millar. I recollect quite well, Sir, of that part of by discourse to which you allude. My Essay was uon "The causes of the different Seasons of the year." n treating of vegetation in Spring, I said 'Shall we n this occasion forget the ploughman, 'who whistles o'er the furrow'd land, an' toils for us the lee lang day,' to supply us not only with the conveniences, dut even the necessaries of life, without which we could ot exist? The man who makes two blades of grass grow, where only one grew before, deserves far etter of the world than either an Alexander, a Charles he Twelfth, a Nelson, a Blucher, or a Wellington; whose employments have been to diminish the numbers If the human race, and for which they have been covred with glory, and adored as demi-gods, while the Jusbandman has been considered as a poor Insignifiant Clown". So Sir, you see that you are placed in he same predicament, for you adore Nelson, Blucher, nd Wellington as demi-gods.

Block. No, I do not, I consider them only as men ke myself. But men whose love of their country red their bosoms to heroic actions. If such men had ot arisen our Tight Little Island would have been otally ruined. Buonaparte, that base usurper of the crown of France, would have deprived us of our exstence as a Nation, and reduced us to the situation of

bieet slaves.

Millar. I have no such idea, nor ever had. W out prejudice, Mr. Block, let us just take a view our existence as a nation at present. See how tri languishes. Thousands of industrious mechanics out of employment in every district of the coun-Many persons have already died for perfect want the necessaries of life. Of these facts too many procan be given. The reason of these distresses, is as has been falsely said, by a sudden transition f war to peace! No, these mournful distresses which the country is involved, are the effects of late sanguinary war, which was carried on to supply the Divine Cause of Legitimacy, and to destroy Rights and Liberties of Mankind. Is not the Port full power, and the Inquisition in fall force, to dest religious liberty? and have not the beloved FERD AND, and others, attempted the demolition of C Liberty? One Mr Davies, in a speech which he livered at a meeting held in the Relief Church, P ley. On Saturday the 5th October, 1816, observ "The late unjust, unnecessary and sanguinary w have cost this nation nearly two thousand millions s ling; a sum, which if divided equally among the labo ing men of Great Britain, would give each of the £500, the interest, at £5 per cent. (for one ye would pay James Madison's salary, of six thous pounds a year, as President of the United States America, since the creation of the world, and ma tain upwards of 250 families, at 501, a year, since flood of Noah besides. This vast sum has been w tonly squandered in the cause of Legitimacy, and gainst the rights and liberties of mankind."

Block. Paisley Weavers may indeed ken someth about heddles, treddles, heel-pins, tintoes, dressing boxes, harnesses, nets, lappets, imitation shawls, plais or gown pieces. But they know nothing at all abothe affairs of Government. Nor have they any but ness to know about the affairs of Government either

It that they have got to do, is to work at their employment, d pay up their taxes. A parcel of lazy, ignorant weavs, holding meetings to discuss about the affairs of overnment, just as if the Government were accountle to them, how they disposed of the Seventy Millions taxes. What business have they with George Rose, d the rest of the Tax Enters? Or the two hundred pusand pounds, which the Berough Faction gets out the taxes every year? What business have they, ether seats in the Commons House of Parliament be d like stalls in a market or not? Or the Liberty of Press either? If they get liberty to weave, what pre liberty need they ask for? They discuss about Reform in Parliament, and say we should have Uni-Isu! Suffrage, and Annuai Parliaments, and that we Il so unequally represented. They make a great Is about Glasgow, and Manchester, and say what a time it is, for such large and populous cities, not to d a single member to Parliament, while these small woughs send to Parliament.

Newton,	1	Elector	sends	2	Members,
Old Sarum,]	do.	sends	2	do.
Midhurst,	, 2	Electors	send	2	do.
Castle Rising,	2	do.	soud	2	do.
Marlborough,	2	do.	send	2	do.
Downton,	4.	do.	send	2	do.

Total. 12 Electors send 12 Members.

Although these 12 Electors have in their power to d 12 Members to Parliament, and to be sure they be easily corrupted; yet the Members of the use of Commons are not all returned by so few E-ors, which I will shew you out of Tegg's Chrono-

London,		Electors	send 4	Membei
Westminster,	10,000	do.	send 2	do.
Middlesex,	3,500	do.	send 2	do.
Surry	4,500	do.	send 2	do.
Southwark,	2,000	do.	send 2	do.

Here are 27,000 Electors to 12 Member Millar. Sir, what you have just now stated, the absolute necessity of a Reform in the Com House of Parliament. In that Petition which till habitants of Paisley sent to the Prince Regent, the " Of the 658 members, which compose what is the Commons House of Parliament, only 33 av pointed by the people, the great Lords appointing remainder, is an incontestible proof, that those the Representatives of the people, are but the ser and tools of this oligarchic borough-mongering fal in plundering the pockets of his Majesty's indust people of the fair fruits of their labour, in order t the interest of a debt contracted for the worst of poses, and to squander upon men wholly unkno: the public, or if known at all, are remarkable for thing so much as hostility to the imprescriptible of man, and their execrable intrigues, in suppr that system which enables them to riot in luxu the expence of the industrious part of the nation Mr Campbell, who also spoke at the Paisley me observes "By the actual state of the representhe subjects fundamental right is openly violat thousands are taxed, who have no voice in the ele of Members of Parliament; and the present contion of Parliaments, is of a most dangerous and u stitutional duration, because Parliaments ought chosen for one year only agreeably to the Constitut

Block. Campbell has copied out that speech from some book, or other, which had been writted some Member of Parliament. It is surely a laughable circumstance for ignorant folk to of

their superiors about, a standing Army of 150,000 n in time of Peace. Abolition of sinecures, pens, grants, and emoluments not merited by Public vices, useless offices, state paupers, Parliament setthe Nation at defiance about the last corn bill, ing fund, National Debt, interest of the National bt, excessive taxation occasioned by payment of

N ational Debt, &c.

Iillar. Sir, riches appear to dazzle your eyes. ause people are poor you think they can know nog at all. I'll find you men among the Paisley weathat are well skilled in Politics, Mathematics, ronomy, Languages, Chemistry, and all kinds of ural Philosophy. Besides all this, I will find you sley weavers that will preach you a better sermon, nine parish ministers out of ten. Although you ear to hold the Paisley weavers in such contempt. Cobbet has a very different opinion of them. In Register, in taking notice of that meeting which held in the Relief Church, Paisley, on the 5th of ober, 1816, to consider the present Disstresses of Country, their Causes and probable Remedies, He , "My very best acknowledgements are due to the. tleman who has been so kind as to send me a small phlet, containing the speeches and Petition of the meeting in Paisley. The principles expressed in publication are admirable. The clearness of the ments contained in the speeches; the managet of the matter; the ingenuity and force of the ments; the spirit, eloquenee, and impressiveness. e language; all these give to these proceedings tamp of superiority, and do great honour to Scot-I wish the accounts of these proceedings could ead by every man in the kingdom. I do not bethat so much talent is possessed by all the 16 's, and the 45 Commoners as is possessed by the

ikers at the Paisley meeting. I have read with

great attention the accounts of the proceedings at the popular meetings which have been held of late, I have no hesitation in giving it as my opinion, the the proceedings at Paisley bear away the palm. The are the model for the imitation of every town county in the kingdom. It appears from the deciation of the speakers themselves, that they are trade men, or manufacturers. They apologized for the want of ability for the task they had undertaken, one of them observed, that he had been urged ward in part, with a view of rescuing Scotland, file the disgrace, which the general servility of his call trymen in high life was but too well calculated to bill upon her. Look then, at these tradesmen; read the luminous, eloquent and powerful speeches; complete these with the few disjointed members of sentences will

Lord frequently, on such occasions, stanmers of or with the redundant and senseless trash of a bride ing "Learned Friends;" make this comparison related er, and then say, whether that you believe that the an age when hereditary and professional privileges likely still to make mankind bow implicitly to their I Great national evils generally in the end, bring t antidotes; and as this is a season of uncommon tress and peril, so it has brought forth such a porition of public spirit, and of talent as to convince every that the cause of freedom is in able hands, and the affairs of the country would not suffer by the che that may be expected to take place. Canning called the Reformers "a low degraded crew." the best parts of his hundreds of speeches were selection they would not amount in point of talent to what find in the speeches delivered at Paisley, on the of October. It is a very false notion to suppose, men in this country, are possessed of talents and dom, because they possess power and emolumican Thus far Cobbet. I will now ask you a single que on, Mr Block: How much space do you think the ational Debt, if it were all in guineas would occupy? Block. I cannot pretend to say exactly. Two, or ree, sugar hogsheads, full of guineas, would certainly ount to a far greater sum than would pay all the tional Debt.

Millar. The Paisley Weavers would be ashamed shew their ignorance to be so great as you have wn yours to be just now. I have been at the trouble drawing up a few problems concerning the Nation-Debt. After you hear them read, you will never an think, that two or three Sugar Hogsheads full of neas, or a hundred either, will be able to pay off National Debt. The truth is, that few persons on ling in a Newspaper, that we have " Eleven hun-I millions of National Debt", have the smallest idea what an enormous sum the National Debt is. Ind, they can form no idea in their minds between the ble of that sum and the hundredth part of it. How-I am of the opinion, that the solution of these plems will give a more distinct conception of the mitude of this Debt, Although Mr. Cobbet, and rs, have stated the National Debt at 1100 millions, nese calculations I take it only at a £1000,000000. Suppose this sum, of one Thousand Millions of pounds, were r in Guineas, Shillings, or Half pence, allowing each of these , to be an inch in diameter, and distributed in equal rows: many English aeres would they eover?

nswer 151 acres guineas; 3,188 acres shillings;

76,525 acres half pence.

Suppose this sum were either in Guineas, Bank of England d Notes, Three Shilling pieces, Shillings, Sixpences, Penny , or Halfpenee, and allowing one to tell over 60 of them in ute, for ten hours in the day, and 313 days in the year, which days for Sundays deducted: How long, at that rate, would to tell over the National Debt? Answer

84 years and 163 days for Guineas.

88 years and 233 days for Pound Notes.

591 years and 235 days for Three Shilling pieces.

3,774 years and 341 days for Shillings. 3,549 years and 317 days for Sixpences. 21,299 years and 79 days for Penny pieces. 42,598 years and 159 days for Half pence.

If any Being had begun to tell out this sum in half pence, at above rate, thirty six thousand years before the creation of the we and continued telling it out till the present, at the end of se

hundred years after this it would not be all told out.

HIL. Suppose this sum were either in gold, silver, or copp. What length of a wall 55 inches high, and 10 inches thick, we is build in each of these metals? Also: What area of square pi

of land would each of these walls inclose?

Ans. A Gold wall of one mile and $344\frac{1}{2}$ yar nearly, which would inclose a square piece of land $57\frac{1}{6}$ acres. A Silver wall of $28\frac{5}{4}$ miles, which we inclose a square piece of land of 50 square miles. And a Copper wall of 147 miles, which would inclose a square piece of ground of $1350\frac{1}{2}$ square miles.

IV. Suppose this sum either in Bank of England Pound N 512 to a pound weight, gold, silver, or copper: How many he and waggons will it require to carry the national debt? Also annual interest of the national debt at four and a half pound cent? Allowing the Bank Notes, and Copper, avoirdupois weithe gold and silver troy weight; and each horse and waggon to c

a ton weight.

Ans. The horses and waggons necessary to cathe National Debt, will be for Bank Notes, 87 Gold 9522, Silver 148,809, Copper 6,696,478. Annual interest at £4½ per cent. is 45 millions. A horses and waggons necessary to carry the annual terest will be for Bank Notes $392\frac{1}{3}$, Gold $428\frac{1}{2}$, Sil $6696\frac{4}{3}$, and for Copper 301,341.

V. How many miles of a read would these horses and wag:

cover, allowing each horse and waggon 20 yards?

Ans. For the National Debt. 99 miles and 14 yes carrying Bank Notes, 108 miles carrying Gold, 1,5 miles carrying Silver, and 76,0963 miles carrying C per; which in copper is upwards of three times routhe globe of our carth.

Ans. For the Annual Interest. 4\frac{1}{2} miles carry Bank Notes, 4 miles and 1530 yards carrying go

6 miles and 176 yards carrying silver, and 3424

niles and 1740 yards carrying copper.

VI. How many Soldiers will it require to carry either the Naonal Debt, or the annual interest of the National Debt, in Ban England Pound Notes, gold, silver or copper; allowing eacidier to carry 40 pound weight in his knapsack?

ns. For the National Debt.

488,281 Soldiers carrying Bank Notes.

524,232 Soldiers carrying Gold.

8,333,304 Soldiers carrying Silver. And

375,002,768 Soldiers carrying Copper.

There are not as many men upon the globe of our earth as would sufficient to earry the National Debt in Copper?

Ans. For Annual Interest of the National Debt.
21,972 Soldiers carrying Bank Notes.
23,590 Soldiers carrying Gold.
294,998 Soldiers carrying Silver. And

16.875,124 Soldiers carrying Copper.

It would require more Soldiers to carry the annual interest of the tional Debt, in copper, than all the inhabitants of Great Britain

d Ireland, put together.

VII. Suppose these Soldiers, one man deep, at three yards discrete from each other: How far would they extend in marching heither the National Debt, or Annual Interest of the National bt. in Bank of England Pound Notes, Gold, Silver, or Copper?

Ans. For the National Debt.

2 miles and 543 yards carrying Bank Notes, & $893\frac{V}{2}$ les carrying gold, $14,204\frac{1}{2}$ miles carrying silver, & 9,209 miles carrying copper; which is farther than the moon, and one half back again; or upwards of

times round the equator of our earth.

Ans. For the annual interest of the National Debt. $\frac{1}{2}$ miles nearly carrying Bank Notes, $40\frac{1}{4}$ miles near-carrying Gold, $639\frac{1}{4}$ miles nearly carrying Silver, $128,761\frac{1}{4}$ miles carrying Copper; which would go and the globe of our earth $1\frac{1}{8}$ times.

III. How many Ships would the National Debt, in Copper, l at 500 tons to each?

Ans. 15,593 ships nearly.

The tonnage, of the Navy of Great Britain, together with the nmercial vessels belonging to her, is estimated at about 2,300,000

tons in whole; therefore the National Debt in copper would

them all nearly three times over.

IX. Suppose the number of the members of the three estate Parliament to amount to 1200, and allow the weight of each particle to be 168 lbs. Would their weight in gold discharge the cional Delt?

Ans. 1200 members multiplied by $1\frac{1}{2}$ cwt is 90 to only: whereas the weight of the National Debter gold is upwards of 9522 tons; which is upwards 105 times the weight of 1200 persons at $1\frac{1}{2}$ cwt. ea

X. Suppose this sum to be either in a cubical piece of silver, or copper: What would be the length of one of its sides

Ans. In Gold $25\frac{1}{12}$ feet cubic. In Silver upward of 72 feet cubic. In Copper upwards of 138 feet cu

XI. If all the inhabitants on the whole globe of the earth, to pay up our National debt among them. (which, by the bye, are under no obligation to do) How much would each person's

of the national debt be?

Solution. Of the numbers of mankind, authave differed widely in their opinions. Riccionatimates the numbers of mankind at 1000 millions, Vossius 500 millions, Brackenbridge 400 millions, Teller at 370 millions. If we take Riccioli's estimate will be one pound to each, Vossius' will be pounds to each, and Teller's estimate nearly the pounds to each persons share.

XII. Great Britain is allowed to contain nearly 12 million inhabitants. If we allow 6 persons on an average to each far the number of families will be two millions. Suppose this num of families to pay up the national debt among them. If ow n will each family's share of the national debt be?

Ans. £

XIII. Suppose this sum was either in guineas shillings, or pence, and laid singly down in a strait line, each touching anot edge: How far would the line of each of these coins extend?

Ans. In Guineas upwards of $15,031\frac{1}{2}$ miles; whis more than $\frac{5}{3}$ round the equator of our earth. Shillings $12\frac{1}{2}$ times round the globe, or to the moand one fourth part back again. In Halfpence 3 times round the earth, or $31\frac{1}{2}$ times betwixt the capable the moon, or upwards of $4\frac{1}{2}$ times round the moon, or the earth.

A very nice metal orbit might be made of this national debt for moon to roll upon, when performing its mouthly revolution and the earth.

XIV. The whole land in Great Britain and Ireland is thought to be worth £12 per acre, on an average; but allowing it to be d at that rate per acre: Would it pay the national debt?

Ans. According to Smith's New English Atlas, eat Britain and Ireland contain 74,668,800 acres; ich multiplied by £12 would leave £103,974,400

the National Debt unpaid.

XV. Suppose this sum to be either in Guineas. Shillings, or Half re, and each of these coms heaped up in a pile by themselves. lowing the thickness of 1.5 guineas, 20 shillings, or 12 half pence,

in inch. Required the height of each pile?

Ans. In Guineas, upwards of one thousand miles; ich would form a golden ring round the globe of earth of one fifth of an inch in diameter. In Shiles, 15,788 miles; which would form a silver ring and the globe of the earth of upwards of 7 tenths of inch in diameter. In Halfpence, 631,312 miles, or wards of 25 times round the globe of our earth, a great copper cable, as thick as a tree of five inches meter, might be formed of the national debt to go and the globe of our earth.

If one part of this copper ring, which is made of the tish National Debt, were to pass through the very talle of the Island of Great Britain, it would then so the Equator. Some of our ingenious artists the teasily construct a machine, to whirl round the be, upon this thick copper ring, with perhaps six, eight, passengers traveiling in it, making the tour of world. After one of these machines was found to wer the purpose, more might easily be constructed. Ving written thus far, a thought has struck me, ch puts me into a complete dilemma, about the ing of these machines. I am aware that plenty of ple would be extremly fond of making the tour of world. But I am afraid, that if these machines to turn out to be any way lucrative, to either the

inventor, or the proprietors of them, that Govern would strike in as usual for the greatest share of profits. Parliament could easily lay a heavy ta either the machines, or the passengers, and the proprietors of the machines would be reduced to situation of mere tax gatherers. In that case perh might have been as well for neither the copper ring machines ever to have been thought of. But if this c tion is obviated, and it be fully determined upon, the copper ring shall be made, and the machines set a ing on it, with travellers in them making the tot the world. If these travellers possess any ability all, they never can be at a loss to fine the latitud the place where they are. At least, we may ratio suppose, that in each machine, there will be all some passenger or another, that will know bow to the latitude. Indeed it would be no great diffic for all travellers, going the tour of the world, to Ille how to find the latitude before they set out. It very easy matter the finding of the latitude; but great difficulty lies in the finding of the longi I would strongly recommend to engrave in legcharacters, on this great copper ring, so plain this who runs may read, the degrees, minutes, and secof longitude. Travellers would then know at onc the machine whirled along the ring, what part o globe they were upon. But in ease of objections ing raised against the copper ring and machines, prepared for the worst. I have got two strings to bow. I will submit to your consideration and scheme. A copper ladder may be made of the tional Dobt, to reach from the earth to the n Each of the sides of the ladder will be more the tenths of an inch in diameter, twelve inches can length, and 14 inches asunder. As Philosophers long disputed about the Moon's atmosphereheight of its mountains-its seas; The Moon's in

ts, their religion, their Arts and sciences, their size, pe, &c. &c. &c. By means of such a metal ladder ould be very convenient for them to ascend, and cend, to, and from the moon; and an end might out to this controversy by ocular demonstration. we are at a great loss, for a market to dispose of manufactures, at present, we might open up a corondance with the Lunar inhabitants, and get our ds disposed of to them, and their productions, ht be brought down to us. They would add greato the luxuries of the tables of our State Paupers. LOCK. You are very satyrical, Millar. However I must acledge, that you have not studied arithmetic in vain. You have ished me with your wonderful calculations. I had no idea that Cational Debt was such an immense sum, as the solution of questions shew it to be. But I am firmly of opinion, that as kation has jogged on with this burden of national debt, upon oulders, for these hundred and twenty years past: So it may move on for ever without stopping for a single moment.

LLAR. Your sophism, Mr. Block, will not go down with It brings to my mind a passage of scripture. As, "There come in the last days scoffers, walking after their own lusts, wing. Where is the promise of his coming? for since the fafell asleep, all things continue as they were from the beginning Creation": So you think, that because the nation has patientved on, without stopping, for these hundred and twenty years ander the heavy pressure of the National Debt, that the inng load will never be able to break the Nation's back. If so, nust be something supernatural about this Debt. There is a MAXISTEM to which the National Debt may arrive at; but t must stop. In order to demonstrate the absurdity of your ing, for my next problem, I shall pitch upon some period, a of years hence, and allow the National Debt to accumulate, same ratio, till that year, which it has done for these hundred enty years past. From the solution, it will appear evident, a interest of the National Debt must either be reduced, or iole system will explode. In either case, the Fund-holders te losers, for there is no alternative.

1. The present National Debt commenced, and was in 1697

In	1702	£16.394,702	In 1786	£266,725,007
	1740	40,532.550	1796	367.303,268
7	1717	64,595,797	- 1807	638,451,573
	1755	75,077,264	1810	.900,000,000
	11765	146,982,844	1817	1100,000,000

Duplicate Geometrical Progression of the National Debt in lions of pounds, each term being seventeen and a half years.

It appears from this statement, that the National Debt had old itself since its commencement, 120 years ago, in about eventeen and a half years, upon an average. Allow the nat debt in 1820, to be 1024 millions of poonds, and to continut that ratio, what will be the amount of the national debt in 50

Solution. 1024 millions squared=1048576=years additional, or till anno 1995. 1048576 millsquared=1,099,511,627,776 millions=350 years ditional or 2345 A. D. 1,099,511,627,776 millions squared=1,208,925,819,614,629,174.706,176 millio 700 years additional; or anno 3045. Or, 1 septillion, thousand, 925 quadrillion, 819 thousand, 614 tril 629 thousand, 174 billion, 706 thousand 176 millio

XVII. The diameter of the earth, from the latest experimis 42073016 feet. A cubic foot of fine gold is 1506.155168 lbs. weight, and a pound Troy weight of fine gold is equal in val 48 pound sterling. Required how many globes of fine solid and each of them as large as the globe of our earth, will the amof the National Debt be equal to, on anno 5045, according to the creasing geometical progression mentioned in last question?

Solution. The answer of the last question divide £48 gives 251859515753047744730453333334 troy of fine gold. Then the cube of 42073016 is 74501628045372347908096 feet, cube of the d eter of the earth; then this last number multiplied .5236, being the 6th part of 3.1416 (the circumfere of a circle whose diameter is one) and the product be equal to 39009052444556961364679.0656, the bic feet in the globe of the earth. Then this last duct being multiplied into 1506.135168 lbs. Tro-58752905757103609690560413.73354 lbs. Troy gold: equal to the globe of our earth. Ans 428 glo of fine solid gold each of them as large as the gl of our earth. Interest at $2\frac{1}{2}$ per cent= $10\frac{1}{2}$ glc of fine gold, and each of of them as large as our ea Avr : Printed by D. Macarter & Co.