The Louths' Department.

ANSWER TO GEOMETRICAL PROBLEM IN OUR LART.

The pool is distant therefore, from the langest tree, 36 1-2, and from the shortest, 53 8-9 feet

H. BOGUE.

MINUTENERS OF ASIMALAUTUS, THEIR ORDANIZA-THEN AND PLYCTIONS

The globules of blood, small as they are, are exceeded in injustences by funuinerable creatures whose existence the microscope has disclosed and whose entire Irelies are inferior in magnitude to the global s of blood.—Microscopic tresatch has disclosed the existence of animals, a million has disclosed the existence of animals, a million of which do not exceed the bulk of a grain of sand, and yet each of these is composed of members as admirably suited to their mode of lite as those of the largest species. Their motions display all the phenomena of vitality, sense, and instinct. In the liquids which they inhabit they sinct. In the liquids which they inhabit they are observed to move with the most surprising appeal and agility; nor are their motious and actions blind and tortuious, but evidently governed by choice and directed to an end. They use find and drink, by which they are noutlined, and must, therefore, be supplied with a digestive apparatus. They exhibit a muscular power far exceeding in strength and flexibility, relatively speaking, the larger species. They are susceptible of the same appetites, and obnoxious to the same passions as the superior animals, and same passions as the superior animals, and though differing in degree, the satisfaction of these desires is attended with the same results as In our own species. Spallanzani observes, that certain animalculm devour others so voraclously that they fatten and become ind. lent and sluggish that they leter and become that the had stiggish by over-feeding. After a meal of this kind, if they be confined in distilled water so as to be deprived at all food, their condition becomes reduced, they regain their spirit and activity, and once more amuse themselves in pursuit of the once more amuse themselves in pursuit of the more minute animals which are supplied to them. These they swallow without depriving them of life, as by the aid of the microscope, the smaller, thus devotted, have been observed moving within the body of the greater. The microscopic researches of Ehrenberg have disclosed most surprising examples of the minuteness of which or research untiler is autocraftle. He has above prising examples of the minuteness of which organized matter is susceptible. He has shown that many species of infusoria exist which are so small that millions of them collected into one mass would not exceed the bulk of a grain of sand, and a thousand might swim side by side through the eye of a needle. The shells of these creatures are found to exist fossilized in the strata of the earth in quantities so great as almost to exof the earth in quantities so great as almost to ex-ceed the limits of credibility. By microscopic measurement it has been ascertained that in the slate found at Bilin, in Bohemia, which consists almost entirely of these shells, a cubic inch contains forty-one thousand millions; and as a cubic inch weights two hundred and twenty grains, it follows that one hundred and eighty score millions of these shells must go to a grain, each of which would consequently weigh the 187,000,000th part of a grain. All these phenomena lead to the conclusion that these creatures must be supplied with an organization corresponding in beauty with those of the larger species.—Lardner's Hand Book of Natural Philosophy.

LIFE AND DEATH IN LONDON.-Few know that in every seven minutes of the day a child is born in London, and that in every nine minutes one of its inhabitants dies! The population of London is roundly, 2,362,000. If the averages of the past fifty years continue, in thirty-one years from this time as many persons as now compose its population will have died in it, and yet in about thirty-nine years from this time, if the present rate of progress continue, the metropolis will contain twice as many persons as it does now .- Builder.

Adpertisements.

Fresh Arrivals of Groceries.

*\$PHE Subsections log to call the attention of purchasers. — In their New Importations of

TEAS, TOBACCOS, WINES,

and General Generics, certains daily, all of which are microil low for each or chort certain

JOHN YOUNG, JON , & Co Hamilton, May 12, 1-12.

THE GREAT

BRITISH QUATERLIES

BLACKWOOD'S MAGAZINE PENNY READING ROOM!

Important Reduction in the Rains of Postage.

LEONARD SCOTT & Cc., No. 54 Gold St., New York.

Continue to publish the following British Perusicals, viz

THE LONDON QUARTERLY REVIEW (Conservative)

THE EDINBURGH REVIEW (Which

THE NORTH BRITISH REVIEW (Free Church).

THE WESTMINISTER REVIEW (Liberal), and BLACKWOOD'S EDINBURGH MAGAZINE (Tory).

fullESI, REPRINTS have now been in successful opera-tion in this country for twenty years, and their circu-lation is constantly on the increase, nothwithstanding the competition they encounter from American Periodicals of a mular class, and from numerous Eclectics and Magazines made up of selections from foreign Periodicals. This feet shows clearly the high estimation in which they are held by the intelligent reading public, and affords a guarrantee that they are established on a firm basis, and will be con-tinued without interruptions.

tuned without interruption.

Although three works are distinguished by the political shades above in iteated, yet but a small portion of their contents is devoted to political subjects. It is their literary character which gives them their chief value, and in that they stand confessedly her above all other longuaged their class. Huckwood, still under the masterly guidance of Christopher North, maintains its ancient celebrity, and is, at this time, unusually attractive, from the serial works of Balwer and other literary notables, written for this twospazine, and first appearing in its columns both in Great Britain and in the United States. Such works as "The Carroin," and "My New Novel," (both by Bulwer, "My Peninsular Medal." "The Green Bind," and other serials, of which memerize treal solitons are issued by the leading publishers from the pages of Blackwood, after it has been issued by Messers, Scott & Co., so that Subscribers to the Reposit of that Magazine may always rely on having the earliest residing of these fascinaling tales.

TER MS 2

TERMS:

For any one of the four Reviews	•	•	•		3 00
For any two of the four Reviews .		•		•	
For any three of the four Revisws .		•	•		7 10
For all four of the Reviews		•	•	•	(a) d
For Blockwood's Magazine	,	•	•		3 (II)
For Blackwood and three Reviews		•			9 (1)
For Blackwood and the four Review	•	•	•	. 1	o co

Payments in all cases to be made in advance.

REDUCED POSTAGE.

To Subscribers in Canada, residing near the Boundary Line, and receiving these Periodicals from an American Post Office, the Postage on a review will be 4 cents, and on Blackwood 9 cents per quarter, payable in advance. Remittances and communications should be always ad-

dressed, post paid, to the Publishers,

LEONARD SCOTT & Co.

79, Fulton Street, New York. Entrance, 64, Gold Street.

N.B.-I. S. & Co. have recently published, and have now for sale, the "Farmers Guide," by Henry Stephens of Ediaburgh, and Prof. Norton of Yale College, New Have. complete in 2 vols, royal octave, containing flow pages, 13 steel and 600 wood engravings. Price, lin muslin binding, 86; in paper covers, for the mail, \$5.

TORONTO, C. W.:

THOMAS MACLEAR. 22-u

Now Dry Goods Establishment MILLINERY SHOW ROOM.

J. & W. McDONALD

Wall I meet a specifully enhance a faithe Ladies at Tracella, that she Milistery blood Rooms a connection with their Multip med v

DRY GOODS ESTABLISHMENT,

No. 1, Elgin Buildings, carner of Yange and Adelaide Streets,

was opened on the With and, with a new and other chapter of the prior Factor and Mark Mill may, which will be affected at prices into make the

So L. Elem Burblinge.

Till unlersigned has opened a News Room in his premises, M Youge Street, supplied with the leading Papers and most valuable Stagazince, ladh

BRITISH AND AMERICAN.

As follows, viz.:-

Landon Quarterly Review, The Edinburgh, " North British, " Bibliothera Sacra, Eclectic Magazine. Blackwonl's International, " Littell's Living Age, Harper's Magazine, Sartains Union. " Constitution and Church Sentinel Dublin Newspaper, Globe, Colonist, Patriot, ** **

Examiner. North American. " Canadian Pamily Herald. Literary Gem, with a large number of others, and as the charge

is only One Penny per visit, or Seven-pence half-penny per month, he trusts to be honoured by the patronage of the reading public.

C. FLETCHER.

Toronto, January 8th, 1852.

NEW BOOK STORE! No. 54, Yonge Street, Toronto

(Two Doors South of Spencer's Foundry.)

THE Subscriber respectfully informs his Friends and the Public that he has commenced business as

Bookseller and Stationer

In the above premises, where he intends to keep on hand a choice and varied assortment of

BOOKS & STATIONERY,

The Stock on band comprises—STANDARD WORKS in every department of Literature, to-gether with Chenp Publications, SCHOOL BOOKS, &c., &c., &c.

Lar A Valuable Second-hand Library for Sale.

TERMS-CASH.

CHARLES FLETCHER.

Toronto, January 8th, 1852.