PETROLEUM AS STRAM FUEL.

(full E following is a letter written by G. B. N. Tower Esq , late Chief Engineer, U S Navy, with reto experiments being made in the U.S. steamer C1 Paus, with an apparstus invented by Col. Henry Foote, of Oil City, Pa, for barning petroleum. The results of the experiments seem to prove that the problem which has engaged attention so long has at last twen solved, and that as a generator of steam, perroleum will take the place of coal, until by the increased demand for the former and the decreasing con umption of the atter, the prices of 'oth commodities shall be more nearly equalized :

Boston, April 6th, 1867.

DEAR SIR,-Some weeks since you requested me to give you a statement of my connection with the use of Petroleum as fuel, and this being the first leisure moment I shall improve my opportunity to answe. your request.

In 1822 any request. In 1822 any request from sea, 1 met Chief Engineer win A bief Eugineer Whipple, to investigate the prac-ticularly and economy of Shaw & Linton's patient for burning petroleum under bolters, instead of ceat. As made to flow through the axis of a truncated con-construction of the construction of the in-cliend surface, its progress was partially arrested by a very carde affair, but a ratio of 2 to 1 in heating proce, as compared with coal, was established. In 1855 while detailed as Chief Martine Engineer on Gen-list and the detailed as Chief Martine Engineer on Gen-list and the detailed as Chief Martine Engineer on Gen-list and on the ordinary faite a strile of garning processing from front to rear, and an ordinary light coal the was from front to rear, and an ordinary light coal the was from front to rear, and an ordinary light coal the was from the result of the multio and passed the was from the result of the multio and passed the was from the result of the multio and passed the was from the result of the multio and passed the was from the result of the multio and passed the was from the result of the multio and passed the was from the result of the multio and passed the was from the result of the multio and passed the was from the task to duly without having a the was from the task to duly without having a the was from the task to duly without having a the state of the task to duly without having a the state of the task to duly without having a the state of the task to duly without having a the state of the task to duly without having a the state of the task to duly without having a the state of the state to by the simplicity of its ar-thrangement, the ease with which it was massed, and the state of the combasitor, that I proven tasking with was so much struck by the simplicity of its ar-thrangement in booking it over. I went several times the state and signed a recommendation to the Sceretary of the state and a struck by the simplicity of its

periments, the ratio was found to be 1 ib. of oil to 8 of

coal We are now daily making changes and lighting fires to see the effect of the alterations, and are at this moment burning less than half the oil, with the same effect as regards quantify of water evaporated. I cannot conclude without thanking you for the zeal you have manifested in regard to these experiments. Many of the slight changes made were at your sug-gestion, and they have shown their great utility at once. once.

I presume we shall be associated together for some time yet, and it gives me much pleasure to have so able a coadjutor

alle a coadjutor I ain yours very truly, G. B. N TOWER, La'e Chief Engineer U. S Aury, HENRY LESTER, Esq. American House, Boston, Mass.

ROYAL CANADIAN BANK — This institution has es-tablished an agency here which will be opened for the transaction of business on the 3rd of next month. The temporary office is in Mr. Calvin Brown's building, over Drapor & Fingland's store The Manager-Mr. J Ambross Guodman-is favourably known to the public as the former Cashier of the Bank of Upper Canada here. Mr. James Taylor is appointed Lacal Director, and Mr. Calvin Brown, Solicitor Our bus-tness men will no doubt be glad of the increased ac-commodation effered by the opening of another Bank. -St. Catharines Post.

MONEY MARKET.

U L have no change to report in the money market. Sterling Evenance to report in the money market. Sterling Exchange has been selling at 109; to 119j for 60-day Bank drafts, and 10S to 109 for private. In New York, best Bankers' bills sold yesterday at 1:91 for gold. Gold drafts on New York are quoted at par to | per cent. premium.

GOLD in New York under the influence of European advices, and the possibility of a general war there, which would induce the sending back of U.S bonds, advanced to 1371 after numerous fluctuations, closing yesterday at 137].

Silvan is more abundant, buying at 4 to 3], and selling at 3) per cent. discount.

THE GROCERY TRADE.

Aulerson, John & Ca. Railwam, et. H., & Ca. Chapman, H., & Faerr & Tyleo Bayman, H., & Ia. Guilda, Gurze, & Ca. Jarke, Clark, & Clarkon, Filipatrick & Noore, Frankrey Ling, Ca. Co. Gillenpin, J. C. & Co. Jeffery, Brothers & Co.

Kinyan & Kinkoch,
Kinyan & Kinkoch,
Kernituz, Thomas & Co,
Kinkoli Janor
Robino, one Chailte,
Robino, Constraint, Janor
Robino, Constraint, Janor
Robino, Constraint, Janor
Robino, Constraint, Janor
Kin, Joe, & Sona
Thompson, Merrars & Co,
West, Erze,
Winn & Holland,
Doop not search a search of the search of t

THE past week has been noticeable only for its dull.

ness in this department of trade, owing to the causes which usually affect business at this season of the year, namely, bad roads, and the waiting for the opening of navigation.

COFFEE-Without change, and nothing doing. FISH-Are without demand, the Lenten season being now almost over, and quotations are for the most part nominal.

Fatir - Stocks are in general not excessive, and although the inquiry is limited, prices are well maintained.

MOLASSES-Without change, transactions being chiefy of a retail character. Refinery strups are unaltered.

RICE-Is scarce, and good samples are held at \$4.

SUGARS-Are without animation, but prices are fully maintained at \$7 50 to \$7 75 for Cuba, and \$7 75 to \$8 25 for Porto Rico.

TEAS .- There is a fair lobbing demand. Good Twankays are very scarce, and none obtainable under 40c. Japans are, if anything lower, ...nd low and medium grades are a little cauer. In houng Hysons there is a fair business doing, and the finer grades are firm, while for medium the demand is not very active.

THE DRY GOODS TRADE

THES DEFY Institute James, Ion & Co. Joinnatano, James, & Co. Joinnatano, James, & Co. Joinnatano, James, & Co. Cali, Joine & K. Cali, Joine & Co. Parta, Weish & Co. Feran, Shearwe & Co. Fordia & Hordynam. Gatti, Rive & Co. Gimour, J. Y., & Co. Greenshields, S., Son & Co. Lewis, Kay & Co. Lewis, Kay & Co. Lewis, Kay & Co. MacKensie, J. G. & Co. MacKensie, J. G. & Co.

MarKay Lawysh, & Bro. May, Janeph Mar, Thomas, & Co. McIniyre, Demon & Co. McIniyre, Demon & Co. Mone, C. H., & J. Mair W. & R. Humderich & Nyemrica. Octivy & Co. I Runderich & Stenziera Octivy & Co. Pilimedi, Athin & Co. Robertson, A., & Co. Robertson, A., & Co. Robertson, A., & Co. Scychen, William, & Co. Scychen, William, & Co. Scilling, McGall & Co. Thomas, Thissoftons & Ca. Winks, George & Co.

DERING the past week trade has been about an average for this season of the year, but perhaps DERIVIC the past week trade has been about an average for this scatton of the year, but perhaps which are less plenty which are less plenty hardly as active as at the corresponding period of last readily sold at bic to bic for Green Esiled.

year. A good many buyers are in town, mostly from the near-by districts, but they are not purchasing largely at present, some of them merely paying their notes, and stating that they will not buy until after the first of May, consequently a brisker business may be could ently looked for pext month.

Imports continue to show a decline, amounting for this port for the present, as compared with last year up to this time, to nearly half a million of dollars Wo hope this decrease in imports will go on for some time to come, as too many goods were brought out last year, leaving too largo stocks on hand to be wintered over.

At grescut we believe that all departments are fairly supplied, with no special deficiency in any, and we think the season will close with moderately small stocks in the hands of importers.

In regard to prices, there is nothing particular to report. The Liverpool cotton markets have been weak, and the price has gradually receded, closing yesterday at 11id to 11id for middling uplands and New Orleans Manufactured goods have not yet felt the full influence of the decline in the raw material, and we do not look for any marked cheapening of staple articles in this market

THE HARDWARE TRADE.

Brush, Georga, Charleboa, A., & Ca.* Charleboa, A., & Ca.* Charleboa, A., & Ca.* Charle, W. & F. P., & Co. Vesna & Erana, Fernar, P. Fernar, P. Gilbert, K.E.

Hall, Kar & Gr. Irola ed. W. H. Nordand, Watson & Fo Mathod Rased, & Batter, Roberta.or. Ma Findas, Jain & Sonia, Simana, Jain & Sonia, Waddell & Pearce Winn & Holland î'a

N consequence of the general breaking up of the country roads, business in this as in other branches of trade is almost at a stand-still, and wholesals merchants report very little doing at present. As soon as navigation opens, however, and roads are fit for travel, a good de-1 of activity may be expected.

Pic Inon - Stocks here are very low, and transactions, which have only been in retail lots, have been at full rates.

BAR IRON -For present delivery prices are firm, while for May delivery some sales have been made at figures lower than our quotations.

BOILER PLATES-Are inactive, and prices, though nominally unaltered, could only be obtained for small lots

TIN PLATES-Are in moderate supply, with no particular change to notice in rates.

CUT NAILS-Are inactive and without change.

BLOCK TIR.-The recent advance of £2 per ton in the English markets has slightly stiffened prices here, although we hear of exceptional lots having changed bands under our quotations.

THE LEATHER TRADE.

Hus & Richardson, Sermour, M. H. Sermour, C. E. Shaw Y. & Bros, Smyth & Edulation.

WE have no improvement to note in this branch of business, which are the business, which continues very quiet, in sympathy with trade generally, but so far as we are able to ascertain there is no great probability of any excessive accumulation, to affect prices materially, even though trade should not become, on the opening of navigation, particularly active.

SPANISH SOLE -The balk of the stock in market is of ordinary and low grades. Buenos Ayres being in unwonted limited supply.

SLAUGHTER SOLE -Is wholly neglected. Our quotations consequently cannot be taken as indicating the rates that could be realized.

HARMESS. Continues firm for prime stock which is very scarce, and obtainable only in a retail way, at fancy prices.

WAXED UPPER .- Very little finds its way to market, but import tions from the United States have satisfied the more immediate wants of the trade, and it is probable that a better supply will be coming for-

It is probable that a better supply will be coming for-ward within a few weeks. BUFF AND PERBLED - The demand for strictly first class stock is fair-while inferior is more difficult to place, and is becoming more abundant. PATENT AND EXAMELLED -Still in limited quan-thitos at recent rates, with a moderate supply in market. CALF SEING - There has been rather more inquiry, but the receipts are vary trifleg, especially of choice stock.

SPLITS- Have been less active, the receipts being equal to the demand, particularly of heavy.