

to satisfactorily employ the graphite the fit must be loose.

Some years ago, when Prof. Thurston was connected with Stevens Institute, he made a series of experiments to determine

alone, but furthermore will perceptibly reduce the cost of lubrication.

THE CLIMAX LETTER BOOK.

A new line of letter books is announced by Warwick Bros. & Rutter. One of the leaders is the Climax, so named from the value, as the price is one previously unheard of.

TUCK'S CARDS GOING OUT.

Warwick Bros. & Rutter are just now shipping Tuck's cards to the trade. The sales this year were larger than ever, and the calendars, etc., should do well during the holidays.

ORIGINAL CLUB VELLUM.

A nice line of note paper, the Original Club Vellum, with envelopes to match, has just been put on the market by Warwick Bros. & Rutter. The paper has a semi-smooth surface, is attractively wrapped, and

wallets, all the latest designs, letter and card cases.

The celebrated Paul E. Wirt fountain pens are to be had at the Canadian agents, the Brown Bros. Ltd., who carry a full line of same and would be pleased to quote prices. In inkstands they have one of the finest and largest assortment in the Dominion, and have some very choice lines suitable for Christmas

and New Year presents; also fancy paper weights, also sealing wax, seals in crystal, dresden, delft and ebony, which would make handsome gifts.

The Brown Bros. Ltd. also have an endless variety of novelties such as photo frames, handkerchief and glove boxes, writing desks, gold pens and pencils, gold and silver penholders. As this is the season when ball programmes, pencils, cards and tassels will be in demand, the Brown

Bros. Ltd. have laid in a full stock and can meet all calls for same.

A WONDERFUL LETTER FILE.

Warwick Bros. & Rutter are showing a strike in letter files. They are well made and can be re-tailed for 25 cents. At this marvelous figure every householder will have one for his private correspondence, which many people put into awkward

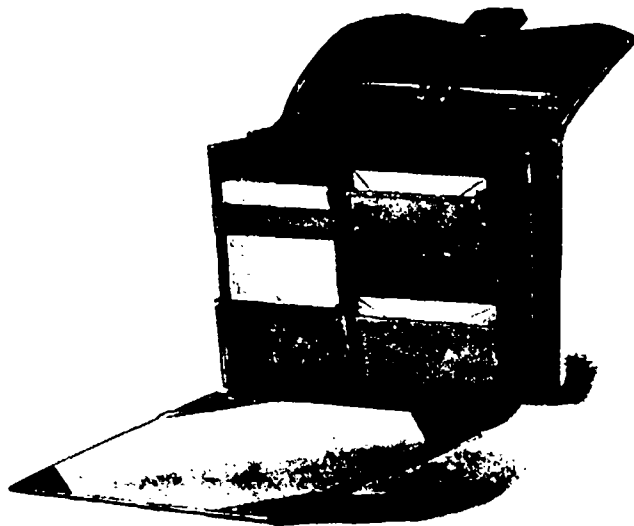
packages hard to get at. The dealer who promptly orders a lot of these

FOR HOLIDAY TRADE.

The Brown Bros. Ltd., Toronto, have opened out and have now ready for inspection at their extensive warerooms a fine line of goods suitable for Christmas trade, and respectfully invite the stationers and fancy goods dealers to call and inspect them.

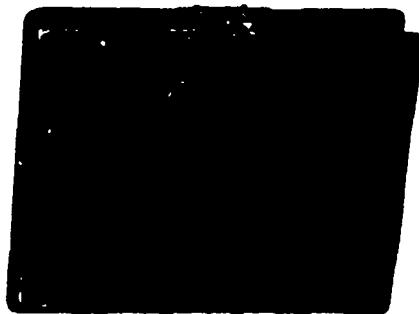
Their stock of leather goods is very fine and comprises photograph albums, card-board albums suitable for unmounted photographs, portfolios of morocco calf, Russian leathers, being a very choice line, ladies'

Common Sense letter files—that is the name—and fills his window with them properly labelled and advising every house-



Brown Bros.

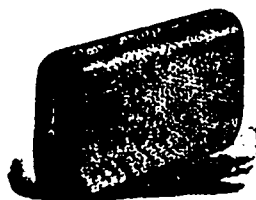
with scientific accuracy the value of graphite as a lubricant. He found that under the same number of pounds pressure and traveling at the same rate of speed, the bearings lubricated with Dixon's graphite, mixed with enough water to distribute it over the bearings, did nearly three times more work than the best quality of winter sperm oil. He also found that when 15 per cent., by weight, of graphite was added to the best quality of lubricating grease, he was able to run the bearings nearly six times longer, at the same high rate of speed, than when the



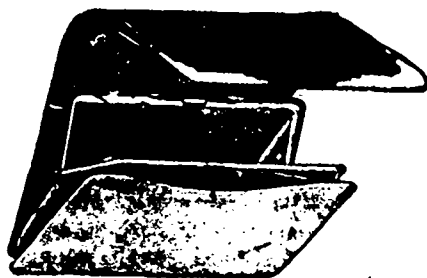
Brown Bros.

bearings were lubricated with the same grease, without the addition of graphite. Furthermore, where the graphite was used there was no cutting and the bearings were in perfect condition.

Little, if any, of the commercial graphite in the market is fit for lubricating purposes, and bearings have been so frequently cut or ruined by its use that there has been a very strong prejudice against its adoption by master mechanics and superintendents having charge of expensive machinery. It is safe to say, however, that when graphite is properly prepared, it will not only reduce friction much better than any oil or grease



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