



little or nothing towards the alteration of the methods of collecting the customs duties, which are to-day essentially the same as they were during the Mackenzie regime. To show that such is the case and that the fault lies with the officials and not with the law, we might cite what every importer knows is the case, that the honest importer has less trouble in passing goods through the Toronto custom house to-day than they did before the N.P. came into force. This is entirely owing to the better management of the staff, and the employment of competent appraisers, there being a specialist for every department who knows his business. Mr. Doll's best plan would be to employ a first-class lawyer and go for the Customs Department without gloves. In no other way that we know of can such abuses be remedied.

AN APPARENT OVERSIGHT.—Our readers, who may regard the omission of P. W. Ellis & Co.'s material advertisement as an oversight, are informed that this department are so busy in filling orders this month that the manager could not find time to put one together, and his page is, therefore, devoted to the clock department. Mr. Wilkinson says that the trade may look out for an important bulletin from him in the CHRISTMAS TRADER.

WORKSHOP NOTES.

ENGRAVERS' BORDER WAX Beeswax one part, pitch, two parts; tallow, one part; mix.

TO CLEAN GILT SURFACES.—To clean gilt, metallic surfaces, dissolve 3 parts borax in 100 parts (both by weight) water, and gently rub the article with it; rinse with clean water and dry with a soft linen rag.

TO TRANSFER PICTURES.—If you desire to transfer pictures from paper to wood, for re-engraving, soak the print in a saturated solution of alcohol and white caustic potash to soften the ink; then transfer to he block under roller pressure.

LENGTH OF LEVER.—You may easily ascertain whether or not the lever is of proper length, by measuring from the guard point to the pallet staff, and then comparing with the roller table; the diameter of the table should always be just half the length measured on the lever. The rule will work both ways, and may be useful in cases where a new roller table has to be supplied.

SHAPE OF PIVOTS.—Pivots should be cylindrical, well tempered, with a shoulder or bearing at right angles, but rounded at the end: the same may be said of the pivot poles. The material entering into their composition must not be easily oxidized by the action of oil, and it is advantageous to have them somewhat olive-shaped inside, with ends lemon-shaped and extended beyond the air sinks. They should bring the oil to the pivots, and for this the sharp-angled pivot is the best.

GUTTA-PERCHA CEMENT.—This highly recommended cement is made by melting together in an iron pan two parts common pitch and one part gutta-percha, stirring them well together until thoroughly incorporated, and then pouring the liquid into cold water. When cold, it is black, solid and elastic; but it softens with heat, and at 100° F., it is a thin fluid. It may be used as a soft paste, or in the liquid state, and answers an excellent purpose in cementing metal, glass, porcelain, ivory, etc. It may be used instead of putty for glazing windows.

TO CLEANSE A BRUSH.—A watchmaker's brush is in constant requisition, still, it is seldom kept in proper order. A soft brush for rough work is useless, a hard one for fine work is ruinous, and a dirty brush for any kind of work is a nuisance. Some brushes are cleaned with dry bread, some by laying a piece of tissue or other paper across the wide open jaws of the bench vise, the sharp corners formed by the jaws taking off on the paper a little of the dirt. These methods are imperfect. A good way to clean a brush is with soap and water, warm water being preferable. Wet two brushes, soap them, and then rub them together in plenty of water, till perfectly clean. An objection to this method is the delay of drying. Apropos of brushes: much injury is done to the appearance of the movement by injudicious brushing, and the watch grows prematurely old in appearance by such treatment.

OUR HELP COLUMN.

THE TRADER aims to be of practical value to the Retail Jewelry Trade. NO CHARGE is therefore made for advertising in this column, but the subject-matter should not exceed five type lines, or about 60 words.

FOR SALE.—Moseley Lathe, nearly new. Also lot of watchmakers' tools. Address, LATHE, 4 King Street East, Toronto.

FOR SALE.—New jeweler's safe, cost \$600, specially made for a jeweler. Apply to Townsend & Stephens, Traders' Bank Chambers, Toronto, Ont.

FOR SALE.—No. 2½ Whitcomb Lathe (hard), with 30 chucks, including five wheels, also universal face plate for same. All in perfect order. Cheap. C. WRIGHT, 113 King St. West, Toronto.

FOR SALE.—Cheap. One illuminated street clock. Runs eight days, has two dials 14 inches diameter, all in perfect running order. For further particulars apply to Box 99, care of TRADER PUB. Co., Toronto.

JEWELERS AND OTHERS wishing to secure the services of an optician to fit spectacles at their places of business can do so by applying to R. S. Muir, druggist and optician, Port Elgin. Reference, Alex. Moffat, jeweler, Port Elgin.

SITUATION WANTED.—By a practical watchmaker, as travelling salesman for a wholesale jewelry or silverware house. Address, JEWELER, care of TRADER PUB. Co., Toronto, Ont.

SITUATION wanted by young man of good habits. Four years' experience at bench; has most of his tools; speaks French and English, and is also a telegraph operator. Best of references. Address, Box 61, Cowansville, Que.

SITUATION WANTED.—By young man aged 19, where he would have a chance to improve. Has worked three years at the trade and can do all kinds of plain watch, clock and jewelry repairing. Wages not so much the object as a good place. Best of references. Address, WATCHMAKER, Box 69, Brussels, Ont.

SAFES.—Second hand, good as new, very cheap. Fire-proof, 42 in high, 33½ wide, 27 deep, price \$70. Burglar and fire-proof, 47 x 33½ x 30, price \$225. Burglar and fire-proof, 61 x 50 x 35½, price \$500 10% for cash. All with the latest improvements. A. C. ANDERSON & Co., Toronto.

TRAVELLER for a wholesale jewelry house. Jeweler preferred. Apply TRADER OFFICE.

WANTED. first-class watchmaker, one accustomed to high grade watches and competent to undertake repairs of fine chronographs and repeaters. Apply VERITAS, TRADER OFFICE.

WATCHMAKER wanted who is thoroughly acquainted with work in retail jewelry store, with at least four or five years' experience. Must have best of references. Apply Lock Box No. 11, Brighton, Ont.

WANTED.—A good second hand, fire-proof safe. Give height, width, depth, weight and cash price. Address, A. BUCKINGHAM, Melbourne, Ont.

WANTED.—A general working jeweler, to take full charge of shop. Must be experienced. A man with some tools of his own preferred. To a competent person good wages and permanent employment will be given. Apply, Box 55, care of TRADER PUB. Co., Toronto.

WANTED.—Situation as traveller, salesman or watchmaker by practical man. Has had fifteen years' experience, and is well up in all the different lines. Knows the Western route well, best of references. Address, JACKSON, 11 Yonge St. Arcade, Toronto.

WANTED. by a young man, 17 years of age, and who has been at the jewelry business 2 years, a situation to finish, well up in clocks and jewelry repairing. have worked on watches, has a good kit of tools, including American lathe. Good references. Address, Jewelry Apprentice, Port Perry, Ont.

\$25.00 will buy a good walnut regulator, porcelain dial and perfect timepiece. Have two regulators and owing to recent changes in our store have only room for one. Address REGULATOR, care of TRADER PUB. Co., Toronto.