

card with pocket scissors. There is an opening for each size of round, while a drawing shear cuts the flat. There are several unique movements and points in connection with the machine, which must be seen to be appreciated, especially the return of the blade after a cut has been made, and which is made without any springs to offer any resistance to the cutting motion. A great advantage and saving of time results from the finished manner in which the work is left after the cutting.

Annapolis is to have a boot and shoe factory. The capital stock of the Company is to be \$10,000, in shares of \$25, to be paid in from instalments of 25 per cent. Over \$4,000 of the stock has already been subscribed, and in a few weeks it is thought the whole amount required will be guaranteed. Mr. Charles Balcom, of Boston, Mass., is starting the enterprise, and he will be manager.

Statements prepared by Government Statistician Johnson go to show that while Canada only sent \$1,100,000 worth of lumber and other products of the forest last year to the West Indies and South Central America, the United States sent \$7,000,000. There is a big market for lumber to the south of us, outside of the United States, and to that market it would be well if our lumbermen would direct their attention, as well as to the West Indies.—*Canadian Lumberman*.

Canada has fifty six paper and pulp mills now in operation, employing 2,250 hands. The manufacture of pulp is fast becoming a special industry, and it is probable that before long wood pulp will form a special item of export. The best wood fibre is made from spruce and poplar, of which the country produces unlimited quantities, particularly in Quebec and New Brunswick, and the conditions for manufacture in those provinces are very favorable.—*Canadian Lumberman*.

The manner in which celluloid is made is as follows: A huge roll of paper is unwound slowly, and while unwinding is saturated with a mixture of five parts of sulphuric and two parts of nitric acid, which is carefully sprayed upon the paper. The effect of this bath is to change the cellulose in the paper into pyroxyline. The next process is the expelling of the excess of acid in the paper by pressure and its washing with plenty of water. It is then reduced to a pulp and bleached, after which it is strained and then mixed with from twenty to forty per cent. of its weight in water. Then follows another mixture and grinding, after which the pulp is spread in thin sheets, which are put under enormous hydraulic pressure and squeezed until it is as dry as tinder. These sheets are then put between heated rollers and come out in quite elastic strips, which are worked up into the various forms in which celluloid is made.

We understand that a milk condensing factory is soon to be established at Kingston. Halifax capital is at the bottom of the enterprise.—*Kentville New Star*.

A suspender factory, we learn, is to be established in Annapolis shortly.—*Spectator*.

CUMBERLAND LUMBER KINGS.—The old firm of B. Young & Son manufactured in 1890 eight million feet of long and five million feet of short lumber. This was their smallest cut for several years. The new firm of Young Bros. & Co. will put out this season 5½ million feet at Newville, and 3½ million at River Hebert, where they will manufacture 1½ million of shingles this winter. They have 35 horses and 70 men at Newville, and 24 horses and 48 men at River Hebert, making a total at both branches of nine million feet logs, with 118 men and 59 horses employed. They intend to manufacture from six to seven million of this cut into deals for English market; the balance will be manufactured for the American market. They will also manufacture about 7 million of 1sths this coming season for the American market. They manufacture about 80 M. long lumber and 75 M. short lumber per day at both mills, and when mills are working employ 75 men directly, and about as many more indirectly in carrying deals, loading vessels, etc.

NEW INDUSTRIES ON A FARM.—About three miles from Bathurst is a fine farm of some three hundred acres managed by J. Williams. In addition to 110 acres laid out in hops, there are some fine specimens of the male and female buffalo. The manager is interested in the mule industry, and is giving his attention to the breeding and raising of these profitable animals, which endure fatigue uncommonly well, and are admirably adapted for farm purposes. Mr. Williams does not believe in all-the-eggs-in-one-bucket farmer, and these new industries are being eagerly watched by the agricultural community at Bathurst.—*St. John Gazette*.

CHANGE OF BUSINESS.—Messrs. Geo. N. Clark and G. A. Lounsbury, of Woodstock and Fredericton, have recently purchased the business of Messrs. Johnston & Co., farm machinery and carriages, etc., and were in the city yesterday taking it over. They will carry on the affairs as heretofore, with the intention of developing the Moncton establishment to a considerable extent. Mr. O. S. MacCowan has been put in temporary charge of the warehouse and show room opposite the City Hall. Messrs. Clark & Lounsbury have also taken over the Newcastle branch of Johnston & Co., with all the connected local agencies from Sackville to Campbellton. Being men of long experience in the business, they will no doubt succeed as well or better than the late firm of Johnston & Co., although the business of this firm has been steadily progressive since its first establishment and its sales last year the largest in its history.—*Moncton Times*.

DAVID ROCHE, HOUSE, SHIP AND ORNAMENTAL PAINTER.

Importer and Dealer in English and American Paper Hangings and Decorations.

AGENT FOR C. & T. C. POTTER'S ENGLISH PAPER HANGINGS.

234-ARGYLE STREET-236

HALIFAX, N. S.

HALIFAX NURSERY,

Cor. Robie and North Streets.

The Oldest and Most Reliable Establishment in the Maritime Provinces.

HUNDREDS OF TESTIMONIALS.

Orders by Mail or Express Promptly Executed. Telephone 252

HERBERT HARRIS, Propr.

SPRING, 1891.

Wm. Stairs, Son & Morrow, HALIFAX.

NETS, LINES, TWINES, in Cotton & Hemp.

Manilla and Hemp Cordage and Hawser,

COTTON SAIL DUCKS, and DRILLS,

DORIES, FISHING ANCHORS;

FISH—"W. S. S. M."—HOOKS,

The Cheapest and Best Hook offered. Quality, Shape and Temper Warranted.

HANDY



COLORS.

W. S. M. WHITE LEAD AND COLORED PAINTS,
BRANDRAM BROS. Genuine No. 1 & No. 2 White Leads,
RAW, BOILED, & DOUBLE BOILED LINSEED OIL,
AND A LARGE ASSORTMENT
Shelf Hardware, Steam Fittings, Boiler Makers' Goods,
MECHANICS' TOOLS, ALL DESCRIPTIONS.

P. W. LEVERMAN & SON, Pianoforte Makers.

Pianos Tuned, Toned & Regulated
REPAIRING A SPECIALTY.

All kinds of Piano Material for sale.
COVERED STRINGS made to order. Call or write.

56 SOUTH PARK ST.
HALIFAX, N. S.

Horse Cars Pass the Door.

163-Barrington Street-163

ROBERT WALLACE,

(Established in Halifax 1871.) Importer and dealer in WATCHES, CLOCKS, JEWELLERY, OPTICAL GOODS, SILVER PLATED WARE & SEWING MACHINES; THE WHITE, NEW HOME, AND FAVORITE KINGS OF AMERICAN SEWING MACHINES. Which we will sell very cheap, wholesale and retail, on the most favorable terms. Also ORGANS, from Fort Wayne, Indiana. A few gold-headed WALKING CANES, which will be sold cheap. Repairing in all branches promptly attended to by first-class workmen.

BOOK-BINDING.

Magazines, Music, Law and Library Books
Neatly and Strongly Bound in

SHEEP, ROAN, CALF & MOROCCO.

The best way subscribers to Magazines and other valuable publications of the day can preserve them, is to have them bound into neat and convenient volumes of six months or a year.

Blank Books, Invoice Books and Portfolios made to Order.

Estimates Furnished on Edition Work.
E. J. SMALL,

197 HOLLIS STREET, (Opposite Province Building.)

A. & W. Mackinlay

HAVE RECEIVED A LARGE STOCK OF

School Books,
Blank Books,

—AND—

GENERAL STATIONERY;

WHICH THEY OFFER AT LOW RATES

137 GRANVILLE ST., HALIFAX, N. S.