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# Dominion Printer.



PUBLISHED BY THE DOMINION TYPE-FOUNDING COMPANY.

Volume 2.

MONTREAL, JANUARY, 1876.

No. 1.

## NULLI SECUNDUS.

In returning thanks to our many customers for their abundant patronage during the past year, we venture to hope for a continuance and even an increase of their favors during the next.

We claim for our foundry a rank among the type manufactories of the world, equal to that of the best. Our facilities enable us to fill orders of any extent or amount. Our workmen are skilled in their several branches; our machinery is of the latest and most improved description; our matrices are entirely new; and the type we produce is unequalled for beauty and finish; and of a QUALITY which we guarantee to be unrivalled.

We are agents for the most celebrated Power and Job Presses, (ENGLISH AND AMERICAN); for the best Ink manufactories; and for the leading American Type Foundries.

Our usual terms have been four months; but, in order to encourage a ready cash system, we have decided to allow a discount of TEN per cent. off News Type, and FIVE per cent. off Job Type and Sundries, on all accounts settled monthly. We indulge in the hope that a large and constantly increasing number of printers will be glad to avail themselves of this liberal discount. Special terms for new outfits and large orders.

### OUR DIRECTORS:

ALEX. MURRAY, Pres.  
 RICHARD WHITE, Vice-Pres.  
 ALEX. BUNTON. JAMES SIMPSON.  
 HON. THOS. RYAN. D. J. REEK.  
 C. T. PALSgrave. Wm. HALL.  
 JOHN WHITE, Mang. Director.

Our Mr. P. A. CROSSBY will call on the trade in Ontario during this month and February. We hope he will "take" many "fat" orders. Give him a hearty welcome, and you encourage the only Type Foundry (thoroughly Canadian) in British America.

## HARD TYPE.

Our experience, as well as that of first-class United States foundries, has proved the utility of manufacturing type of which the only merit was in its hardness. It is amusing to read the test proposed by an old country friend that "the respective strength of the qualities may be ascertained by rubbing a type of each, face against face, or what is better, the edge of one against the edge of another, prov-

ing which sustains the least injury by the friction." This brilliant suggestion might be improved by the substitution of a piece of glass for the famous Scotch hard metal type. Glass would certainly scratch away the face of the type, and no one would be so absurd as to try how the hard glass would stand under the impression to which type is subjected. Scotch hard metal, if it has the special quality of glass, must also have its brittleness under an impression, and this is a quality for which the printer would be loath to pay.

The result of our experiments on various type

## OLD TYPE.

Many people believe that the old type—worn out letters, broken and twisted leads, metal furniture, electrotype and stereotype plates, cuts and general rubbish—which the printer returns to the founder after many years of hard service, is again melted and cast into bright new type. This is an error. No first class foundry makes new type from old. They cast it into leads and slugs, and back up electrotype plates and cuts; but never into type. Type is made from entirely new metals, prepared with the utmost care by a skillful person. This prepara-

tion is a very nice job. To combine a certain degree of toughness and hardness—one exactly as essential as the other—the metals (antimony, tin, lead, and sometimes copper) must be tested and amalgamated with the utmost nicety as to proper quantities of each. To analyse the old material would be impossible. In our foundry tons of metal are mixed new at a time, and thoroughly tested. Precisely as good are the metals, and as carefully and skillfully prepared, as it is possible to do it in any quarter of the globe.

We do not make the ridiculous claim that type of our own manufacture is "harder" than any made at any other foundry in the world; but we do claim that it is equally as hard and tough as the best, NO MATTER WHERE IT COMES FROM.

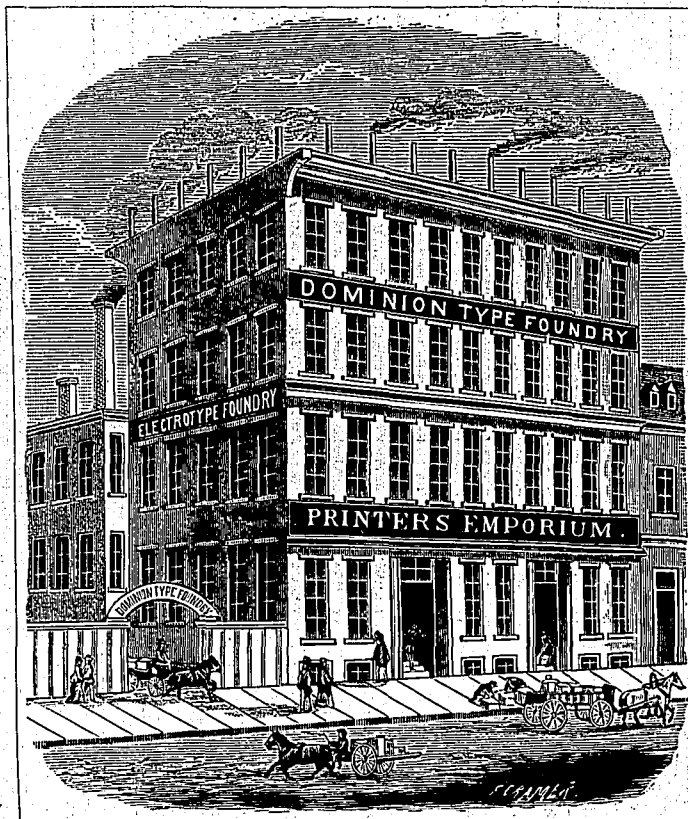
In forwarding old type, mark your name distinctly on every box or package sent; and forward by post a shipping receipt or bill of lading, as soon as the type is despatched.

## FINE PRINTING.

The McKay Printing Co., Hamilton, Ont., have sent us specimens of their fine printing. They are a creditable exhibition of skill, and

## SAMPLE LETTERS.

We cannot too frequently remind printers at a distance of the necessity of sending specimen types, when ordering sorts for fonts they already have. The cap. H and the lower case m should be selected, as they give the best guide for LIXING. The delay caused by our having to write for samples is often a serious one to the printer.



alloys, proves the fact, that in order to produce a type with the largest amount of durability (and consequently of most profit to the purchaser,) it is absolutely necessary it should possess the property of TOUGHNESS to resist the lateral action of the cylinder, as also the horizontal pressure of the hand press.

## CHARLES ENEU JOHNSON.

We have been appointed agents for this celebrated Ink Manufacturer. A full supply in stock.

give evidence of the completeness of their establishment. We are glad to hear of the success of the company.

## TYPE MAKING.

In the earliest day of the art, printers made their own type, and performed many other functions which are now delegated to others, and the same roof covered several different necessary arts. Ere long, however, the trades separated, and the type founder took his place in the ranks. Of course, the first tools and materials used were crude and but poorly fitted for the purposes for which they were designed. They were cast by hand, one at a time, and the processes were necessarily slow and tedious. The fac simile engraving below, the original of which



was given by Jost Amman, in *The Book of Trades*, published in Germany, in the year 1564, shows the founder at work, with his mould enclosed in a wooden box held in one hand, while with the other he pours in the melted metal. It is the purpose of this article to show something of the modern processes for manufacturing type, and the comparison with the engraving will be at least interesting.

The first attempt at type-founding in the United States was made at Germantown, Pa., by Christopher Saur, or Sower, about 1735, who cast the types for a German Bible which he himself printed. An unsuccessful attempt was made to establish the business at Boston, about 1768, by a Scoteliman named Mitchelson. Abel Buell soon after began the business at Killingworth, Conn., and was granted a loan of money by the Colonial General Assembly to aid him in his designs. At the close of the Revolution, John Baine, of Edinburgh, came to the United States and conducted the business until his death in 1790. About the close of the last century, Messrs. Binney & Ronaldson successfully established themselves at Philadelphia, and from that date type founding has been reckoned among the industries of the Republic. Now there are about thirty foundries in the United States; and it is no exaggeration to say that they excel those of every other nation in the extent of their operations and the excellence of their wares, for in no other country can there be found so beautiful and so great a variety of faces as are made there.

Type-founding in Canada was commenced in Montreal in 1830, by Thomas Guerin and Chilian Ford.

In 1834, Mr. C. T. Palsgrave became proprietor, and continued so until 1873, when it passed into the hands of the present company. This is the only type foundry in the Dominion.

To gain an insight into the processes employed in type-making—which all printers ought to be familiar with, but of which they generally know but little—we invite a visit to our foundry.

Type metal is a composition of lead, tin, antimony and copper, all of which metals are necessary to give the required ductility, hardness and toughness. No other composition has ever been found which so well answered all the purposes for type-making.

The first step in the making of type is cutting the letter desired, on the end of a piece of fine steel, forming the **PUNCH**, which is afterward hardened.



PUNCH.

This is an operation requiring great care and nicety—there being comparatively few adepts at it—that the various sorts in a font may be exactly uniform in their width, height and general proportions to each other. A separate punch is required for each character in every font of type, and the making of them is the most expensive portion of type-founding. During the process of its manufacture, the punch is frequently tested or measured by delicate gauge, to insure its accuracy. When finished, a smoke-proof taken and the letter pronounced perfect, it is driven into a piece of polished copper,



DRIVE.

called the **DRIVE**. This passes to the fitter, who makes the width and depth of the faces of the types uniform throughout the font. They must then be made to *line exactly with each other*. When thus completed, the drive becomes the **MATRIX**, wherein

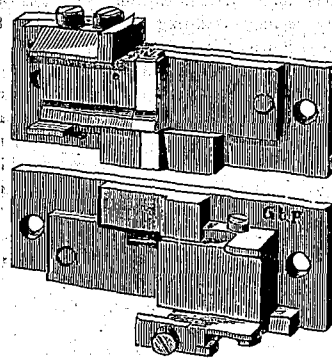


MATRIX.

the face of the type is made. This undergoes other processes in fitting and finishing, to make it true and square with the body of the type. Matrices are also made by the electrotype process, for the purpose of copying and multiplying certain faces without incurring the great expense of cutting new punches. The **MOULD**, in which the body is formed, is made of hardened steel, in two parts; one part is fastened to the machine and is stationary, while the other is movable, so that it may be adjusted for the proper width of the letters, as one is wider than another. The accuracy of these moulds is patent to every printer, who knows that types must be mathematically square, else they could not be used.

The combined matrix and mould are then adjusted

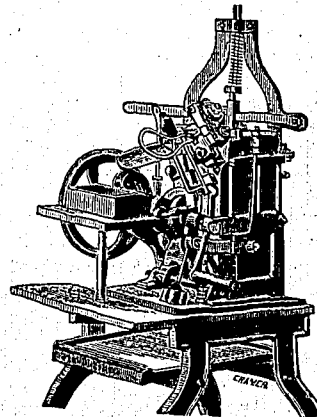
to the type-casting machine, which is set at work manufacturing types at the rate of from one hundred



MOULD.

to one hundred and seventy-five per minute. The type-casting machines in use in our foundry are of the most improved English and American make.

The following is a description of their operation:



TYPE CASTING MACHINE.

ation: "The metal is kept fluid by a little furnace underneath, and is projected into the mould by a pump, the spout of which, you see, is in front of the metal pot. The mould is movable, and at every revolution of the crank in the hand of the workman it comes up to the spout, receives a charge of metal, and lies back with a fully formed type in its bosom; the upper half of the mould lifts, and out jumps a type as lively as a tadpole. You don't see how the letter is formed on the end of the type? True, we had forgotten; well, this spring in front holds in loving proximity to the mould a copier matrix, such as you saw just now in the fitting-room. The letter a, for instance, stamped in the matrix, sits directly opposite the aperture in the mould which meets the spout of the pump; and when a due proportion of a's is cast, another matrix with b stamped in it takes its place; and so on throughout the whole alphabet." In casting small fonts, where frequent changes are made in the moulds, the machines are driven by hand power; but when the fonts are large, as in daily newspapers, steam is used as a motor, and the industrious little machines, with scarcely less than human intelligence, go thumping along at their work, requiring but little care or attention, except when changes in

the matrices and moulds become necessary. The only practicable method of making types is by casting them singly. All attempts at making them by swaging, cutting or casting fifty or more at a time have proven utter failures.

The types are not finished when they leave the machine. There will be found attached to each a wedge-shaped jet, somewhat similar to that on a bullet cast in a hand mould.



UNFINISHED TYPE.

The loose types are placed upon circular tables, around which are seated nimble-fingered boys or girls, who pick them up at the rate of from two to five thousand per hour, at the same time breaking off the jets. A bur still adheres to the shoulder of the type, and this is taken off by the rubbers, who rub the sides of the letters on a circular table on which have been placed fine steel files, manufactured expressly for this purpose. The kerned letters then go to the kerning machine, where they are dressed without disturbing the kern or over-hanging part of the type. The types next go to the setters, who set them in long lines, ready for the dresser, who slips them into a long stick, turns them on their face, fastens them in a bench adapted for that purpose, and with a plane cuts a groove in the bottom, taking off the bur left in breaking off the jet, leaving each type with a pair of feet to stand upon, and then dresses off the under and upper sides, giving them the bright, silvery appearance so familiar in unused type.



FINISHED TYPE.

The picker now takes the types in hand, and, with aid of a magnifying glass, picks out each defective letter, which is returned to the melting kettle. They are then broken up into shorter lines for convenience in handling, when they are sent to the dividing room, where they are divided into fonts, each having its due proportion of the respective sorts, made into pages, wrapped into papers, sent to the office, packed, marked and shipped to the purchaser, or put upon shelves awaiting an order.

Let us go back and observe some other processes connected with this curious place. Many have undoubtedly wondered how brass rules, with their multifarious faces, are made. The brass is rolled into broad plates, varying in thickness with the purposes for which they are designed. These are cut in strips a little more than type height in width, which are clamped in an iron bench, where they are planed on the face to the pattern desired. Wave rules are made by a curious crimping tool, while the leader and fancy rules are milled by machinery—the larger faces by an engine lathe.

Metal furniture is first cast in hand moulds, in long pieces, which are placed in planing machines for the purpose of dressing the four sides. They are then sawed to the required length and sent to the finisher, where they are fitted to the sizes desired, insuring perfect accuracy.

Leads are also cast in hand moulds, in pieces about fourteen inches long. At one end, where it has entered the mould, will be found a large lump of metal, which is cut off with the lead cutter. The leads are then sent to the planer and shaved on both

sides, securing an even thickness for their entire length. They are then ready to be cut to any desired measure.

Singular to relate, comparatively few printers ever see any more of a type foundry than its business office, and, except from reading, know little or nothing of the various ramifications of a business more intimately connected with their own than any other. Those who have not already done so will find such a place one of the most interesting they can visit, and, withal, they will be apt to learn something that will be of value to them in the future. Visitors to the city, whether printers or not, will find in our foundry countless things to amuse, and, perhaps, instruct them.

We have just received "THE POETS AND POETRY OF PRINTERDOM," a collection of original, selected and fugitive lyrics, written by persons connected with printing; collected and edited by OSCAR H. HARPEL, editor of "HARPEL'S TYPOGRAPH." It is among the finest productions of the typographical art we have seen. The binding and exterior of the volume is chaste and beautiful, but the interior, with its high-grade, violet-tinted, gold-edged paper, is a very marvel of ornamentation; every PAGE, and even every ARTICLE, being profusely and yet tastefully adorned with every fanciful device known to the art. Mr. OSCAR H. HARPEL, of Cincinnati, has expended world of thoughtful labor on the book, but he has achieved a success, of which he, as well as those whose names are embalmed in its magnificent pages, may well feel proud. Those who fail to secure copies now, will have no future opportunity, unless perhaps at a greatly enhanced price, of obtaining a book whose like is rarely found in any libraries, save those of kings or the wealthy. The price (\$7) is by no means an exorbitant one. For sale by the DOMINION TYPE-FOUNDING COMPANY.

NEW TYPE.—To-day's FREE PRESS appears in a new outfit of type. That just discarded had been in use over three years, and although by no means used up, nor anything nearly as much worn as type ordinarily is before being discarded, the determination to keep the FREE PRESS in the very front rank of first-class Canadian newspapers has induced this improvement. It will be noticed that the new type is considerably smaller than that formerly used, consequently the quantity of reading matter will be correspondingly increased. A point, in this connection, worth mentioning, is the fact that the entire outfit is of Canadian manufacture, being the product of the Dominion Type Foundry, Montreal; and the fine appearance of to-day's paper is as high a tribute to the excellence of the same as can be asked.—DAILY FREE PRESS, WINNIPEG, MAN., NOV. 19.

OUR NEW DRESS.—The NEWS appears to-day in a dress of new type from the Dominion Type Foundry, which, for beauty of cut, thoroughness of finish, and adaptability to the work for which it is intended, will bear favorable comparison with the type of any other foundry on either side of the Atlantic.—ST. JOHN, N.B., DAILY NEWS, SEPT. 6.

We have just received one of Potters' Celebrated "Special" Presses. Price, \$1200. Prints Double Royal. A cheap press, but a good one. On exhibition at our foundry.

The Tramp Printers' Virtues.

Mr. Josh. T. Johnston, editor and proprietor of the BRANT UNION, Brantford, Ont., writes the AMERICAN NEWSPAPER REPORTER as follows:

I read with considerable interest your editorial on tramps in last REFORMER. On many occasions I have perused articles—editorial, contributed, and selected—in the REFORMER which started me "a-thinking," and occasioned an almost irresistible desire on my part to write to you. But the many calls of the country printing office have always interfered with my "good intentions." On this occasion, however, I must have my say. About a year and a half ago, when I started in business on my own hook, I determined that the tramp should have no cause to grumble at his treatment in the Union office. But, to guard against imposition by inferior workmen, I posted up placards to the following effect:

"TRAMP PRINTS,  
Look Here:  
If you are without curls  
MEANDER."

As a job, as artistic as the foregoing was intended to be, would have been incomplete without a cut. I procured one of Hartman's "What is it?" as the most appropriate embellishment to be had, and the walls and stairways of the office were at once decorated with the "work of art." The effect of the announcement was that every tramp who presented himself produced a musty tobacco-stained card from some Union or another, and in every instance he was used well. As nearly as can be judged, one hundred itinerants have put in an appearance. And, with a solitary exception, every man of them was a dead swindle. This, after a fair trial, is the record left behind by the tramp printer. Is it to be wondered at, then, that every tramp who has presented himself during the past month has been ignominiously shown the door? Let some of your "sympathetic, magnanimous correspondents" have a like experience for two months, instead of seventeen, and they will commence to hold the opinion that exists in this office.

BARGAINS.

- Dryden, Foord & Co. four-feeder Wharfedale, size Bed, 62 x 55; good as new..... \$2,000
- Payne two-feeder Wharfedale, size Bed, 37 x 52; guaranteed good as new..... 1,750
- Hoe Bed and Platen Printing Machine (Adams Patent), six rollers; prints double royal; guaranteed in good order..... 2,200
- Single Large Cylinder Hoe Press, size Bed, 36 x 44; good condition..... 1,200
- Northrup Power Press, prints double royal; fair condition..... 400
- Demy Folio Wharfedale, size Bed, 19 x 24; with steam fixtures; in good order.... 300
- Gordon Franklin Cylinder, 14 x 22 inside of chase; an excellent press..... 400
- Chromatic Job Press; half-medium; size inside chase, 13 x 19½; with steam fixtures; now doing good work..... 350
- Half-Medium Oshawa Gordon; in good order Eight-Medium Oshawa Gordon; in good order..... 300
- Tuft's Patent Hand Printing Press, guaranteed in good order; Platen 24 x 28.... 200
- Champion Job Press, 8 x 12 inside chase.... 150
- Ruggles Card and Bill-Head Press..... 75
- One Ericsson's Caloric Engine, made by W. Tripp & Co., Boston; 3 horse power; one year in use; cost \$800 gold..... 500

BOOKBINDERS' MACHINERY FOR SALE.

NEW AND OF THE BEST MAKE.

- Tangye Hydraulic Press; Platen, 22 x 32; tested to 30 tons..... \$350
  - No. 5 Embossing Press; new series; Sanborn. 350
  - Patent Backing Machine, do do 450
  - Power Sawing Machine, do do 200
  - Steam Glue Heater and Kettles..... 70
  - 30 inch Forsaith Paper Cutter..... 150
  - Shears and Table for Millboard (Hoe)..... 70
  - Two Nipping Presses, each..... 25
- For terms, &c., apply

The DOMINION TYPE-FOUNDING Co.  
MONTREAL.

## THE DOMINION TYPE FOUNDRY.

## PRINTERS' FURNISHING WAREHOUSE.

## ALPHABETICAL LIST OF GOODS.

**BLACK INKS**—Mather's, Wilson's, Baylis, Wilkes & Co.'s, Johnson's, and German Printing Inks. All grades from the finest card and wood-cut; to the cheaper cylinder press. We guarantee not to be undersold in this or any other market.

**BODKINS**—Hoe's Knifs Bodkin, spring and plain. All varieties in market kept on hand.

**BODY LETTER**—All sizes, from Nonpareil to Pica. Classic series of Scotch faces, and with "sorts" to match, always on hand; in fonts from 50 pounds upwards to suit customers. We guarantee it the most artistic cut, and the hardest, toughest and most durable type made in the world.

**BOOKS**—De Vinne's Price List; Harpel's Typograph; The American Printer; American Encyclopedia of Printing; Wilson on Punctuation, and Specimen Books on hand and furnished to order.

**BRASS RULE**—Every style shown in our Book, at specimen book prices, in two feet lengths, Column, Hand, Single, Double and Parallel Cross Rules, and Advertising Rules cut to order.

**BRASS GALLEYS**—Double and Single, Lined and Unlined, and all brass, Job Galleys, all sizes.

**BRONZES**—Gold, Silver and Carmine. All grades, prices and varieties. Full stock; best in market.

**BRUSHES**—Ive Brushes, all sizes and kinds; also Proof Brushes.

**CABNETS**—The most useful article ever used in a Printing Office. 16 and 20 cases. Always on hand.

**CARD CUTTERS**—The Curtis & Mitchell and Hoe Card Cutters, on hand, or furnished to order, at factory prices.

**CALLAHAN'S CELEBRATED ROLLER COMPOSITION** is extensively used for every variety of work, by first-class Printing Houses throughout the Dominion. We keep it constantly on hand.

**CHARACTERS**—Arithmetical, Geometrical, Algebraic, Music, Greek and Hebrew, furnished to order.

**CHASERS**—Wrought Iron News and Book Chasers. All sizes on hand, or made to order; also all sizes of cast iron Job Chasers. Odd sizes made to order, at short notice.

**CHEAP JOB TYPE**—We have a number of fonts of early styles of Fancy letter well adapted for bag printing and the commoner description of Job work. They are Catalogued at 50 per cent. reduction on present rates. When a number of fonts are selected an extra discount will be allowed. Catalogue mailed on request.

**CHESS AND CHECKER TYPE**, always on hand, or furnished to order at short notice.

**COLUMN RULES**—All the numbers shown in our Book, always on hand, and cut to any length desired.

**COMPOSITION**—Callahan's and Thompson's. The best made. A full supply always in stock.

**CUTS**—All the Cuts and Designs, shown in our Book; also all the choice ones from other foundries, besides originals.

**DEGENER & WELLS'S "Liberty" Job Presses**, all sizes on hand, or furnished to order. One-eighth medium, 7 x 11, \$200.00; one-fourth medium, 10 x 15, \$350.00; one-half medium, 13 x 19, \$450.00; boxing, steam fixtures and ink fountain, extra.

**DOUBLE AND SINGLE STANDS**, with or without racks, of the best manufacture, kept on hand, or furnished at short notice.

**ELECTROTYPING**—We have the largest Electrotyping Foundry in the Dominion. Every description of work promptly executed. Satisfaction guaranteed.

**EMBLEMS** for Masons, Odd Fellows, Knights of Pythias, Sons of Temperance, and other secret societies, to order, on reasonable terms.

**ENGRAVING**—All orders for Wood Engraving and Electrotyping, will receive our prompt and careful attention at lowest rates.

**FOOT SLUGS**, of any thickness and measure desired; also Number Slugs of our own manufacture, always on hand and made to order.

**GORDON PRESSES**—We are agents for these justly celebrated Job Presses, and keep all sizes in stock. Eighth, 8 x 12, \$250.00; quarto, 10 x 15, \$350.00; half medium, 13 x 19 inches, \$450.00; boxing, ink fountain and steam fixtures, extra. Illustrated circular and price list furnished when desired, and orders promptly filled.

**HAND PRESSES**—Hoe's Patent Washington Hand Presses, all sizes, supplied at short notice, and maker's prices.

**HEADINGS**—Newspaper Headings, of any desired style, electrotyped to order.

**HICKOK'S RULING MACHINES**, Standing Presses and Book Binders' Machinery, furnished to order, at manufacturer's prices, adding boxing and freight.

**HORSE CUTS**—A full line of "Horse Cuts" on hand, and made to order, at specimen prices.

**IMPOSING STONES**, of any desired size or thickness, of Marble, on hand, or made to order, at lowest manufacturers' rates.

**IRON AND WOOD SHOOTING STICKS**, of various patterns and sizes; always on hand.

**IRON SIDE AND FOOTSTICKS**—Any length desired made to order. Warranted true and smooth.

**JOHNSON'S celebrated Type and Material**, Purchasers can procure of us any article shown in the books of Mackellar, Smiths & Jordan.

**LABOUR SAVING CHERRY FURNITURE**—Convenient and durable; accurately made of 2, 3, 4, 5, 6, 8 and 10 ems wide, and 10, 15, 20, 25, 30, 40, 50 and 60 ems long. Size stamped on each piece, and finished in oil. In fonts of 500 pieces, \$10; with Stained Case, \$15.

**LABOUR-SAVING BRASS RULE**—This admirable Rule is cut accurately of various lengths, differing in an or in an em Pica, and will be found of vast utility in Table or Job Work, rendering the use of shears and file entirely unnecessary. Mitered corners being furnished with every font, the rule may be advantageously used in a variety of ways. We make it of Single, Double, Parallel, or Dotted Rule, of fifteen different faces. Every piece is marked with the number of ems it measures, so that it cannot get mixed with the ordinary scrap rule, and can be readily put in the box which it belongs. Cases are furnished especially adapted to it.

**LABOUR-SAVING QUOTATION FURNITURE**—A very desirable and convenient appliance for a printing-office. The pieces are cast in a type-mould, and are finished with the strictest regard to accuracy, so that the printer who takes pride in the perfection of his work may rely upon them as a most serviceable auxiliary. This article is equally valuable as furniture for the imposition of forms and as quotations for blank and rule work, posters, colour printing, etc. The pieces are from 4 to 30 ems Pica in length, and from 2 to 4 ems in width, quadrate height.

**LABOUR-SAVING LEADS AND SLUGS**—To meet a growing demand, we manufacture Four and Six to Pica LEADS, from 4 to 25 ems Pica long, put up in 25 lb. fonts for \$8.00, or in any useful quantity at 25 cents per lb.

NONPAREIL and Pica SLUGS cut to same lengths, put up in 25 lb. fonts at \$5.00, or 20 cents per lb.

**LEADS**—All sizes. The smoothest and truest in the market. Sizes 8, 7, 6, 5, 4, 3 to pica. Also Slugs from nonpareil to double pica, cast under our immediate supervision, in our own establishment, and warranted perfect. Also cut to any desired measure, without extra charge. Orders solicited and promptly filled.

**MAHOGANY AND CHERRY JOB STICKS**—A very fine and well made article, of all lengths, suitable for poster work.

**MILING MACHINES**, of any make, furnished to order.

**MALLETS**—Hickory, Beech and Dog Wood; the best in the market.

**METAL FURNITURE**—This useful article will be found to be indispensable when once used. It is light and strong, and is cut with great care; to pica ems. Forms of any size can be locked up without any extra justification. The fonts are assorted with pieces from four to fifty ems in length, and from one to ten in width. Smallest font 50 lbs.

**NEWSPAPER FOLDING MACHINES**—Forsyth's and others, the best make, furnished to order at short notice.

**NEWSPAPER GALLEYS**, Brass and Zinc, always on hand.

**NEWSPAPER HALF CHASERS**—Also Book and Job, made to order, and warranted true, strong, well finished and durable.

**NEW TYPE**, at specimen book prices, exchanged for old, at 10 cents per pound, delivered at our foundry.

**OLD TYPE**, received in any quantity, from printers, in exchange for new, at ten cents delivered. Mark our address, nett weight, also shipper's address plainly on each box or package.

**OVALS AND CIRCLES**, Brass, always on hand, or furnished to order.

**OUTFITS FOR NEW PRINTING OFFICES**—Estimates furnished, and all the appurtenances provided, from a bodkin to a steam-power press, for newspaper, job, and book printing-offices, on liberal terms.

**PATENT MECHANICAL QUOINS and Sticks**. New lock-up side and foot-sticks, furnished to order.

**PLANERS**—A full assortment, perfectly true and thoroughly seasoned always on hand.

**POINTS**—Plain and Spring Points for Hand Presses, of any desired length or size, furnished to order.

**PRINTERS' TYPE MEASURER**, MADE OF BOX-WOOD, agreeing with our type-bodies, constantly on hand. Very convenient and useful for measuring matter. Price, 75 cents.

**PROOF BRUSHES**, the very best in the market, always on hand.

**PROOF GALLEYS**, Brass, lined or unlined, or all brass, suitable for job or book and newspaper work.

**PROOF PRESSES**—English and American; the best make, furnished to order.

**QUOINS**—Assorted—Box-wood Quoins, neatly put up in packages of 100, or excellent and well seasoned Hickory Quoins, always on hand, at lowest rates.

**QUOTATIONS**, and Labor Saving Furniture on hand, and furnished to order.

**REAL GOLD AND SILVER POWDER** or Bronzes. A very fine but very costly article, furnished to order.

**REGLET**—Cherry and Pine, from agate to double pica; also Furniture from two to twelve-line pica, always on hand.

**ROLLER CLOTH**, for distributors, in strips, always on hand.

**ROLLER HANDLES AND STOCKS**—All lengths for News and Job work, always on hand.

**ROLLER MOULDS**, of any desired length, furnished at short notice.

**ROLLERS** cast for customers, from any desired composition. Satisfaction warranted.

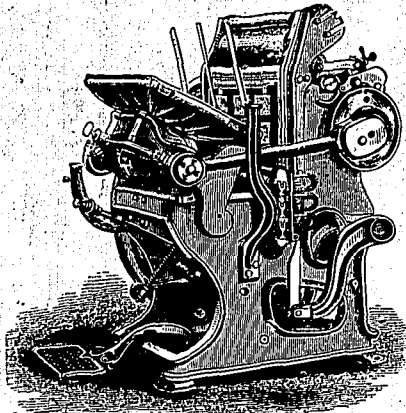
**RUBBER AND FELT BLANKETING**, of any desired size, and best quality, furnished to order.

**STANDING GALLEYS, STONE FRAMES**, or any other article of wooden furniture required in a printing office, made to order, when desired, at reasonable rates.

**TAPE**, both Wide and Narrow (English,) for power press use.



## UNIVERSAL JOB PRESS.



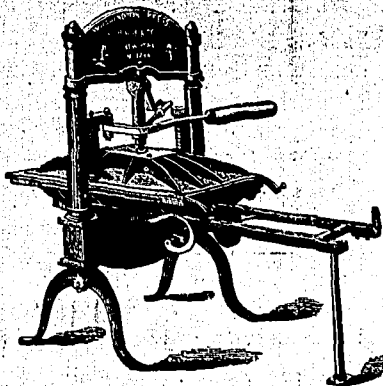
THE "UNIVERSAL" JOB PRESS—These machines are manufactured with improved machinery, under the best facilities. The manufacturers claim that they are the strongest press made: compact and very simple in construction. THE PRISKEE FUSIONS are of an improved construction, which allows both to be used on a narrow margin. The Bed remains stationary, and inclines backward, so that the form rests upon it, and can never bog or the type work out of place; at the same time it is always in view and in reach of the pressman. The chase is secured to the bed by a strong and simple device, which can be adjusted from the front of the press. THE CHANGIABLE INK FOUNTAIN allows a change from one colour or kind of ink to another in a few moments of time, without waste. The gauge can be specially set to feel any required degree of ink, or to entirely cut-off the supply at any number of points, allowing a feed of ink from any part without binding the fountain roller.

PRICES:  
 Half-Medium, 13 x 19, inside of chase, \$450.00  
 Quarto, 10 x 15, " 350.00  
 Eighth, 7 x 11, " 250.00  
 Ink Fountain, \$25.00 extra.  
 Boxing—Eighth, \$6.00; Quarto, \$7.00; Half, \$10.00. Steam Fixtures, extra, \$15.00.

With each Press are included three Chases, one Roller Mould, two sets Roller Stocks, Wrenches and Treadle.

AGENTS FOR CANADA:  
 DOMINION TYPE-FOUNDING COMPANY, MONTREAL.

## HOE'S PATENT WASHINGTON HAND PRESSES.

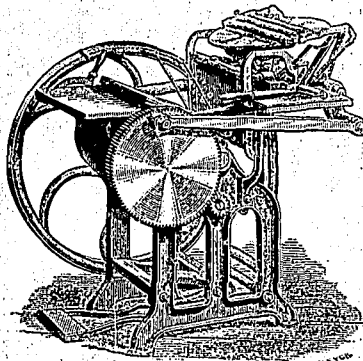


No.	PLATEN.	BED.	PRICE.
1	13 x 17	17 x 31	\$180
2	15 x 10	20 x 25	210
3	19 x 24	24 x 29	240
4	21 x 29	26 x 34	275
5	23 x 37	29 x 42	320
6	27 x 42	32 x 47	365
7	30 x 46	35 x 51	425

The above price includes one Screw Wrench, two pairs Points, one Drawer, one Slice, and extra Frisket. Boxing and Carting, \$7.50.

AGENTS FOR CANADA:  
 DOMINION TYPE-FOUNDING COMPANY,  
 MONTREAL.

## CORDON'S FRANKLIN JOB & CARD PRESSES.



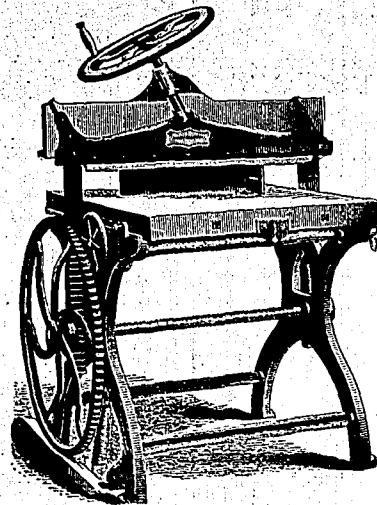
These Presses are all built with the latest improvements, and of the latest style introduced by the Inventor. In the Quarto and Half Medium, in combination with the Ink Distributing Table above the form, are used a Cylinder, a Vibrating Feed Roller, and a Fountain, below the form.

### REDUCED PRICES.

Eighth Medium, 8 x 12 inside of chase, \$250.00  
 Quarto " 10 x 12 " 350.00  
 Fountain, etc., \$25.00 extra.  
 Half Medium, 13 x 19 inside of chase, 450.00  
 Fountain, etc., \$25.00 extra.  
 Boxing, Eighth, \$6.00; Quarto, \$7.00; Half, \$10.00. Steam Fixtures, extra, \$15.00.  
 One Roller Mould, two sets of Roller Stocks and three Chases are included with each Press.

AGENTS FOR CANADA:  
 DOMINION TYPE-FOUNDING COMPANY, MONTREAL.

## IMPROVED GAGE PAPER CUTTER.



PRICE, - - \$150.

Cuts 30 inches in width by 3 to 4 inches in depth.

This Cutter was awarded the First Premium of a Silver Medal at the New England Fair, held in Lowell, Mass., 1871, for Cheapness, Simplicity, Durability and Power.

For Testimonials and further particulars apply to:  
 DOMINION TYPE-FOUNDING COMPANY, MONTREAL.  
 Sole Agents for Canada.

## Canada Card Factory

515 LAGAUCHETIERE STREET,  
 (Head of Col.),  
 MONTREAL.

### E. F. CARTER & CO.

SOLE MANUFACTURERS IN CANADA OF

## CARD BOARD & GLAZED PAPERS.

PRINTERS' CARDS,  
 BUSINESS CARDS,  
 VISITING CARDS,  
 PHOTOGRAPHERS' CARDS & MOUNTS,  
 ADVERTISING CARDS,  
 COLORED CARDS & TICKETS,  
 MERCHANDISE & SHIPPING TAGS.

Cards Cut to any required Size.

SAMPLES & PRICE LISTS FURNISHED ON APPLICATION.

## J. LAWSON,

## Black and White Smith,

LOCKSMITH & MACHINIST,

18 St. George Street, (Off Craig),

MONTREAL.

Printing Presses and Printers' Machinery erected or repaired on reasonable terms.

## FELIX CRAMER,

DESIGNER  
 AND

## ENGRAVER ON WOOD

AND METAL,

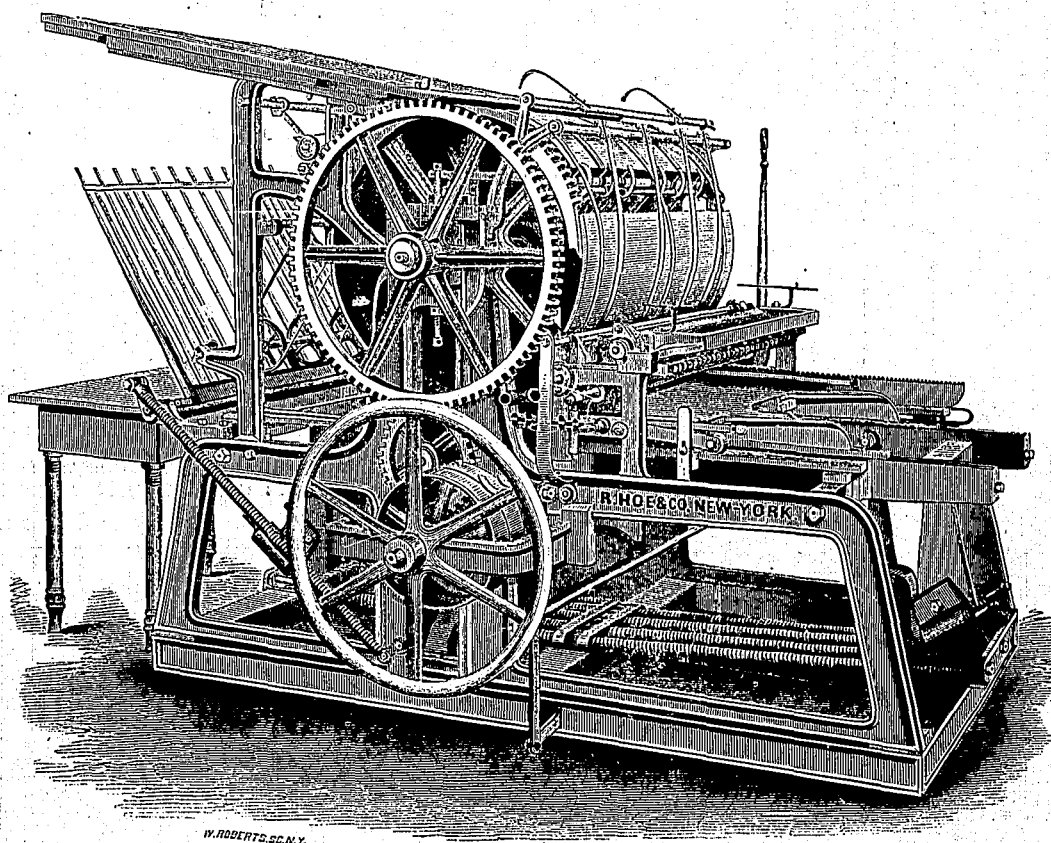
626 Craig Street, (opposite St. George,)

MONTREAL.

Drawings furnished, or Cuts Engraved on Wood or Metal with Style and accuracy, and at reasonable prices.

# HOE

## SINGLE LARGE CYLINDER PRINTING PRESS.



THIS Press is adapted to fine newspaper work and to every kind of job work, from colored posters to the most delicate script on dry paper. It is provided with all modern conveniences, as registering apparatus, taper bearers regulated by set screws, adjustable feed guides and open fountain, as well as some new devices for taking up wear, so as to render the press both more accurate and more durable. It will print from one thousand to twenty-five hundred impressions per hour, according to the size of the press, and the quality of the work. With each press are sent two sets of roller stocks, two roller moulds, one set of blankets, countershaft, hangers, driving pulley, and two cone pulleys. When small sizes are desired to run by hand power, a fly-wheel and stand of suitable size will be furnished instead of the countershaft. Both rollers go over the entire form.

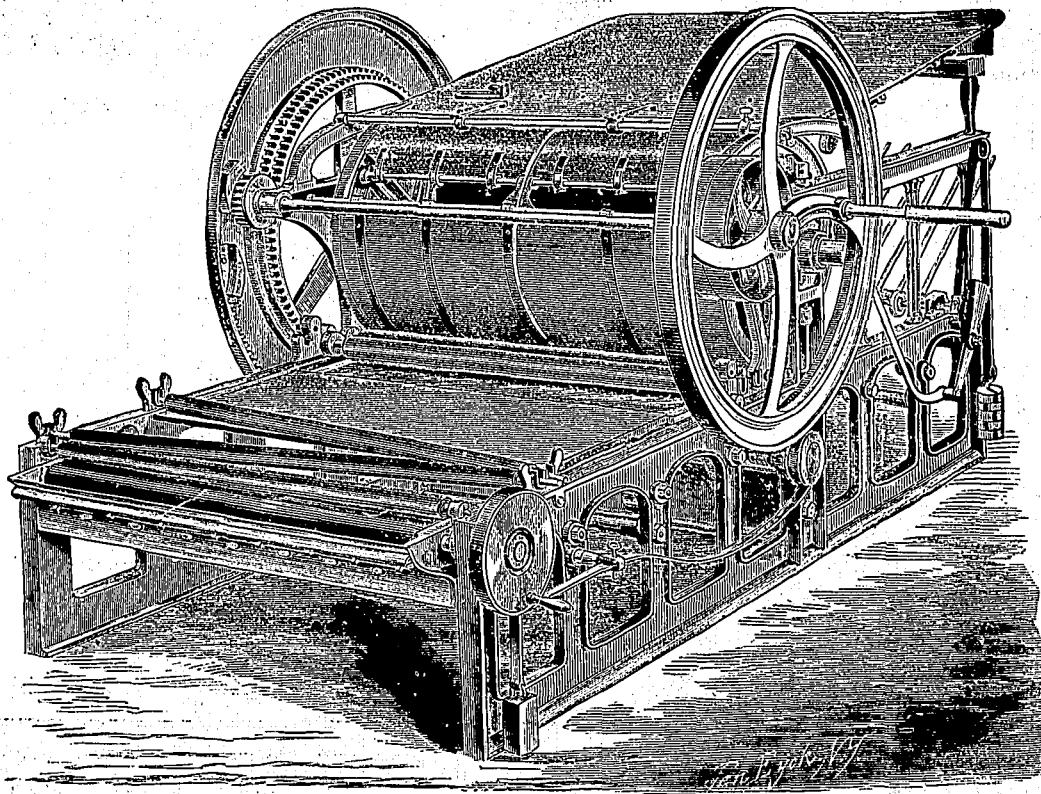
We have one of these excellent Presses in Stock. Size Bed 29 x 42. Price, \$2750.

THE DOMINION TYPE-FOUNDING COMPANY,  
MONTREAL.





# COUNTRY PRESS.



THE above Cut represents our well known COUNTRY PRESS, which has been in use the past ten years, giving satisfaction in each and every case. They are built to standard gauges, making them very desirable on account of repairs, when needed.

With each Press is furnished Blanket, Roller Moulds, extra Roller Stocks, Wrench, Screw-Driver, &c.,—all complete to run.

### SIZES AND PRICES:

No.	SIZE OF BED.	SIZE OF FORM.	ROLLERS.	SPEED PER HOUR.	PRICE.
0	36×52	32 ×47	2	700	\$1,900
1	32×50	28½×46	2	750	1,400
2	32×48	28½×44	2	750	1,300
3	31×46	27½×42	2	800	1,200
4	.....	.....	.....	.....	.....
5	25×31	21 ×27	4	1,000	1,200
6	23×28	18½×24	2	1,400	1,000
7	20×25	16 ×21	3	1,400	900

Composition Rollers, \$15 extra. | Boxing and Cartage, \$40 extra.

LESS 20 PER CENT.

Address—

**CAMPBELL PRINTING PRESS MANUFACTURING CO.**

39 Beekman Street, NEW YORK.

Or,

**THE DOMINION TYPE-FOUNDING COMPANY,**

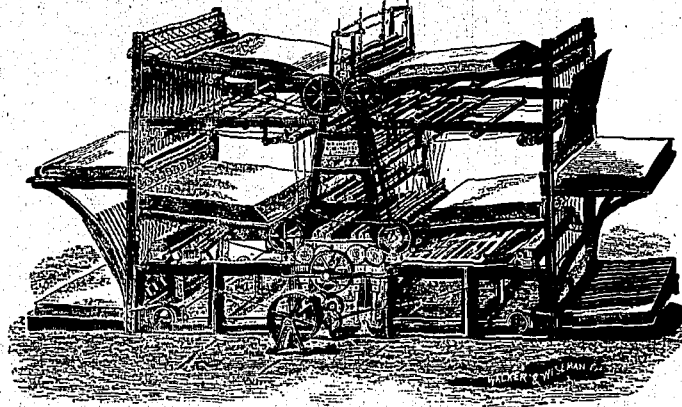
Chenneville Street, MONTREAL, P.Q.

**IMPORTANT TO PRINTERS!!!**

**FOR SALE:**

**A Four-Feeder Printing Machine,**

Manufactured by **DRYDEN, FOORD & CO., LONDON, ENG.**



**T**HIS MACHINE has a bed 5 feet 2 inches by 4 feet 7 inches, and was, until recently, used in Printing the "MONTREAL GAZETTE." It will print from 4,000 to 5,000 impressions per hour. The Press is in perfect order, fully equal to new. Reasonable Terms.

PRICE - - - - \$2,000.

*APPLY TO THE DOMINION TYPE-FOUNDING COMPANY, MONTREAL.*

**THE JOSEPH HALL MANUFACTURING COMPANY OF OSHAWA, ONTARIO,**

ARE IN A POSITION TO SUPPLY ALL KINDS AND SIZES OF

**STEAM ENGINES AND BOILERS,**

**Leffel Double Turbine Water Wheel,**

*GENUINE WHEEL ONLY MADE BY US.*

**SHAFTING, GEARING, PULLEYS, SELF OILING & SELF ADJUSTING HANGERS, SHINGLE MACHINES, JOINTERS, LEATHER SPLITTERS, KNIFE GRINDERS,**

**GORDON, WASHINGTON, AND TAYLOR CYLINDER PRINTING PRESSES,**

*ALSO, THE CELEBRATED CHAMPION MACHINE:*

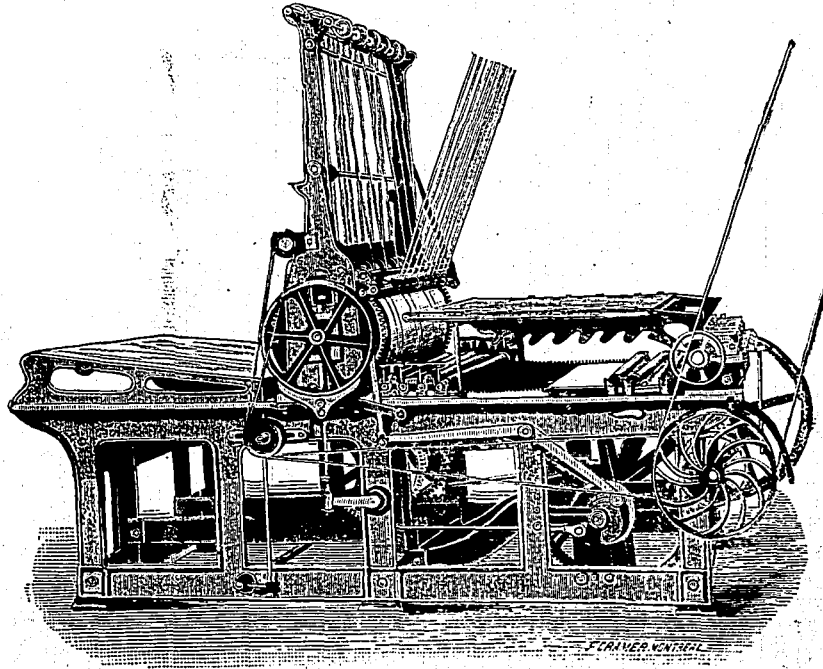
**Oshawa Self Dumping and Self Locking Horse Rake, THRESHING MACHINES AND SEED DRILLS,**

*Latest and Improved description.*

**Send for Price List. - - All Machines Guaranteed.**

# THE "RELIANCE" WHARFEDALE

Newspaper, Book and Job Printing Machine.



WITH SELF DELIVERY.

NO TAPES ROUND THE CYLINDER.

## THE "RELIANCE" PRINTING PRESS

IS offered to the notice of Letter-press Printers, as calculated to produce the best qualities of work in BROADSIDES, JOBBING, Book and COLOUR PRINTING, at a speed of from ONE to TWO THOUSAND per hour; and the great satisfaction the Machines already sent out have given, is the best proof that they will endure the test of comparison with any Machine in the trade; and the Makers feel confident that their increasing business is the best proof of the merits of their manufactures.

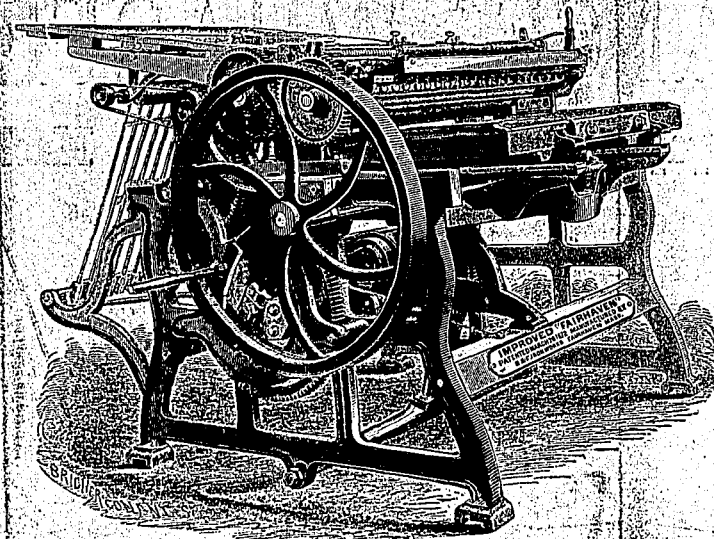
SIZE.	SIZE.	DOUBLE FEEDER.	SIZE.
Crown.....21 x 18	Double Demy.....36 x 24	No. 1.....	36 x 24
Demy.....24 x 18	Double Royal.....42 x 29	No. 2.....	44 x 32
Royal.....26 x 20	News.....46 x 36	No. 3.....	50 x 37
Double Crown.....30 x 20	Large News.....50 x 39	No. 4.....	54 x 42

SOLE AGENTS FOR THE DOMINION OF CANADA:

**THE DOMINION TYPE-FOUNDING COMPANY, MONTREAL.**

Terms and Prices on Application:

# "FAIRHAVEN" COUNTRY NEWSPAPER & JOB PRESS.



THIS PRESS is designed for Newspaper, Book and Job Work, and runs either by hand or steam power, with great ease, giving by hand 800 to 900 impressions, per hour.

Numerous Testimonials from all parts of the United States and Canada confirms us in our claims that the "FAIRHAVEN" runs  
**WITH VERY GREAT EASE AND ECONOMY,**  
**WITH GOOD INK DISTRIBUTION & REGISTER,**  
**WITH GREAT CONVENIENCE IN CHANGING FORMS**  
**WITH FREEDOM FROM JAR OR NOISE,**  
**SIMPLE IN CONSTRUCTION,**  
**NOT EASILY PUT OUT OF ORDER,**  
**EASILY MANAGED, AND**  
**MAKES A VERY HANDSOME APPEARANCE.**

There is also furnished with each Press BLANKET, ROLLER MOULD, EXTRA CORES, WRENCHES, GAUGES, TABLE to receive Papers from Fly, and everything complete to run.

## SIZES AND PRICES.

Bed, 31 x 46 .....	\$1,000	Boxing .....	\$25
Bed, 28 x 40 .....	900	Do. ....	25
Steam Fixtures Extra, \$25.			

FULL AND COMPLETE INSTRUCTIONS FURNISHED FOR SETTING UP.

ALSO, MANUFACTURERS OF

# American Paper Cutter.



This CUTTER is constructed to perform the usual work required of a Paper Cutter, and is giving excellent satisfaction. Knife raises 10 inches. Length of Knife, 28 inches. Weight (boxed), 550 pounds.

**PRICE, - - - \$125. Boxing, - - - \$5.**

For full particulars and Testimonials of Presses and Cutters, address

**JOB C. TRIPP, Treasurer,**

BOSTON AND FAIRHAVEN IRON WORKS,

**FAIRHAVEN, MASS.**

DOMINION TYPE-FOUNDING CO., MONTREAL, CANADA.

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50 n 20 A. NONPAREIL MODERN BLACK. \$2.25.  
Scenes of Wonder and Curiosity in California  
Nevada and California Practical Processes of Gold and Silver Extraction  
Höngsberg München  
Tourist's Guide to the Yosemite Valley and the Sierra Nevada  
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Portraits and Biography  
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Long Primer Egyptian Shaded. Fonts, \$4.50.

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Complete Poetical Works of Burns and Colman  
London Library Edition

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**FRENCH DESIGNS**

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Foreign Habits

DOUBLE GREAT PRIMER HALF TEXT.

12 n 5 A, \$5.00.

**Eminent Musical Composers of England and Germany**

**MODERN SACRED MUSIC**

DOUBLE PARAGON HALF TEXT.

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**International Exhibition Buildings**

**NORTH AMERICA**

Patented.

16 n 10 A GREAT PRIMER CURVED ANTIQUE. \$3.50

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**18 AMERICAN INSTITUTE 76**

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DOMINION TYPE-FOUNDING CO., MONTREAL.