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CANADIAN CONTRACT RECORD

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EVERY THURSDAY

THIS PAPER REACHES EVERY WEEK THE TOWN AND CITY CLERKS, TOWN AND CITY ENGINEERS, COUNTY CLERKS AND COUNTY ENGINEERS THROUGHOUT CANADA.

Vol. 5.

JANUARY 10, 1895

No. 49

THE CANADIAN CONTRACT RECORD,

PUBLISHED EVERY THURSDAY

As an Intermediate Edition of the "Canadian Architect and Builder."

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Notice to Contractors

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to eleven o'clock a.m. on SATURDAY, JANUARY 19th, 1895, the construction of a

SEWER ON PEARS AVENUE

from Avenue Road to Bedford Road.

Specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, on and after the 12th inst.

A marked cheque payable to the order of the City Treasurer, Toronto, for 5 per cent. of the amount tendered for must accompany each and every tender, otherwise it shall be ruled out as informal.

The lowest or any tender not necessarily accepted.

DANIEL LAMB,
Chairman of Committee on Works.

Committee Rooms, Toronto, Jan. 4, 1895.

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CONTRACTS OPEN.

WHITBY, ONT.—It is reported that the Ladies' College here is to be enlarged, at a cost of \$50,000.

DRAYTON, ONT.—A by-law to provide fire protection for the town was voted down by the ratepayers on the 7th inst.

WINDSOR, ONT.—The by-law to expend \$40,000 on a waterworks filtering system has been defeated by the citizens.

BEAVERTON, ONT.—The by-law to establish a House of Refuge here was defeated by the ratepayers on Monday last.

TORONTO, ONT.—A building permit has been granted to C. Potter, 31 King st. e., for alterations to 39 Yonge st., cost \$2,500.

PAKENHAM, ONT.—The large flour mills of McAllister Bros., which were recently burned, involving a loss of \$50,000, are to be rebuilt.

GANANOQUE, ONT.—It is rumored that a large brick block will be erected on a part of the site of the property which was destroyed by fire a short time ago.

COLLINGWOOD, ONT.—A by-law to expend the sum of \$10,000 in extending the electric light and waterworks systems has been carried by the ratepayers.

KAMLOOPS, B.C.—The corporation are inviting proposals until the 20th of February for the purchase of \$25,000 of debentures. M. J. McIver, City Clerk.

FORESTER FALLS, ONT.—Tenders for the erection of a new Methodist church here are invited until the 18th of January. Plans may be seen at the office of Wm. Wells, Beachburg, to whom tenders are to be sent.

GUELPH, ONT.—The Dominion Bank has secured a twenty years lease of a store at the corner of Macdonnell and Wyndham streets, and will put in a vault and make other improvements to cost about \$3,000.

KENFREW, ONT.—The erection of a hospital here has been talked of for some time, but so far no decided move has been taken. It has been recommended by the Local Board of Health and considered by the Municipal Council.

VANCOUVER, B. C.—Plans have not yet been prepared for the block which Mr. J. W. Horne proposes to erect on the vacant lot opposite the Lefevre block. The building will not be commenced until next Spring at the earliest.

NIAGARA FALLS, ONT.—The prospects of the Gould Coupler Co., of Buffalo, locating here are said to be bright. The general superintendent, J. H. Dunn, has stated that as soon as arrangements are completed with the Controller of Customs at Ottawa, the site will be selected and the works erected at once.

ST. JOHN, N. B.—H. H. Mott, architect, is receiving tenders for remodelling the Carvell House on Waterloo street.—It is stated that a number of American capitalists have leased what is known as

the Gilmour mineral spring, situated between Apohaqui and Norton, and intend to erect a sanitarium near the spring.

WINNIPEG, MAN.—It is stated that legislation will be introduced at the coming session of the provincial legislature relating to the construction of a railway to Lake Dauphin. It is understood that the scheme involves the construction of a road south-easterly from Winnipeg to the international boundary. An American company, it is said, is ready to build a road to the boundary from Duluth to connect with the line from Winnipeg.

COLLINGWOOD, ONT.—Plans and specifications are being prepared by Fred. T. Hodgson, architect, for the erection of a new brick wing to the Globe hotel, 75 x 45 ft. in size, and three stories high. The whole hotel throughout is to be refitted and supplied with all modern appliances, including steam or hot water heating; estimated cost \$20,000. Work will be commenced as soon as plans are completed. Mr. Hodgson is also preparing plans for a two story and basement frame house, to be built on Hurontario street for Mr. Chas. Mickler; estimated cost \$3,500.—The building outlook for next summer in this town is highly encouraging.

HAMILTON, ONT.—The City Clerk is inviting tenders for the construction of a pipe sewer on Locke street.—Two enterprising citizens whose names have not yet been made public, are said to contemplate the erection of a summer hotel at Grimsby Point. The intention is to form a joint stock company.—The Board of Health has recommended to the City Council that an open flume be constructed through the Sherman Inlet into the bay, and that the upper end of the inlet be filled in. The cost of the flume will be about \$13,500.—A building permit has been granted to J. N. Young for a two-story brick dwelling on Hughson street, to cost \$1,500.

MONTREAL, QUE.—A bill was last week passed in the Quebec Legislature authorizing the city of Montreal to construct a subway from Craig to Commissioner streets.—The Richelieu & Ontario Navigation Co. will build a steel steamer during the winter. The vessel will be about 160 feet long, and will cost about \$200,000.—At the last meeting of the Council of the Municipality of Verdun, the by-law providing for the construction of a dyke along the river front was read a second time and passed. The work is estimated to cost \$70,000. Mr. James Adam was appointed engineer in charge and will submit a plan for the approval of the council at a meeting to be held on the 1st of February, and operations will be commenced as early as possible in the spring.—Mr. Thomas, Manager of the Academy of Music, states that several sites are under consideration for the proposed new theatre building to be erected in this city. In all probability the building will be situated on St. Catherine st., between the present location of the

Academy and the Shamrocks lacrosse grounds.

FIRES.

A serious fire originated in the Globe building, corner Yonge and Melinda streets, Toronto, on Saturday last. The Globe building, a five story brick structure erected about four years ago, was entirely destroyed, together with the large new warehouse of S. F. McKinnon & Co., just completed. The former was valued at \$160,000 and the latter at \$175,000, including contents; the greater portion of the above losses is covered by insurance. The other losses are: Robin, Sadler & Haworth, \$20,000; Toronto Lithographing Company, plant, \$125,000; Nicholas Rooney, wholesale dry goods, building, \$25,000, stock \$30,000; Harry Webb, restaurant, building, \$25,000; stock, \$60,000; Brough Printing Co., printers, stock, \$25,000; Miller & Richard, printers' supplies, \$5,000.—The large brick residence of J. K. McCaugar, Deputy-Reeve of Thurlow, has been destroyed by fire. Loss, \$3,000.—The St. Augustine Episcopal church at Danville, Que., was destroyed by fire on the 7th inst. The church was a brick structure, valued at \$12,000, on which there was \$3,000 insurance. The pastor is Rev. Thomas Blylock.—The premises owned and occupied by Cland S. Burrows at Huntingdon, Que., were consumed by fire last week. Insurance \$3,100. Edward Merrifield's residence near Wheatley, Ont., has been burned. Loss, \$1,200; partially insured.—A stone block on Duke street, Ottawa, owned by J. C. Brennan was gutted by fire recently. The loss is estimated at \$7,000.—The wire mattress factory of Murphy & Hart, at Toronto Junction, was completely destroyed by fire on the 5th inst. The loss will amount to \$30,000, two-thirds of which is covered by insurance. The building, which was three stories, 48 x 160 feet, was worth \$9,500, the machinery \$12,000 and the stock \$12,000.—A building at Buckingham, Que., owned by John Cosgrove, was burned last week. Loss, \$8,000; insurance, \$3,000.

CONTRACTS AWARDED.

ST. RAYMOND, QUE.—The contract has been awarded for the erection of a large convent four stories high, 95 x 55 feet.

PERTH, ONT.—Messrs. Nicholson & Bolian have been awarded the contract by the Logan Council for constructing the northwestern drain. The price is \$4,721.

MEAFORD, ONT.—The Town Council has awarded the contract for the construction of a system of waterworks to McQuillan & Co., of Toronto. Their tender was \$18,262.

MONTREAL, QUE.—At a recent special meeting of the St. Louis de Mil Council it was decided to award the contract for the construction of sewers on various streets of the Montreal Annex to

Messrs. Bastien & Valiquette, the lowest tenderers, at the price of \$34,975. The work will be commenced as soon as possible.—Mr. A. J. Cooke, architect, has awarded contracts for two cottages at St. Lambert, for Mrs. Mary A. Mackay, as follows: masonry, F. X. Feille; brickwork, Chas. Narbonne; carpenter and joiners' work, M. Desantels; plastering, Charbonneau & Co.; steel work, Donaldson & Sons. Same architect has also awarded contracts for two cottages at same place, one for Mayor Horsfall and the other for J. W. Hill to Geo. Beatty, for all trades.

BUSINESS NOTES.

Landry & Belanger, plumbers, Montreal, have dissolved partnership.

Orman Higman, plumber, of Ottawa, has assigned to Alex. Mutchmore.

Andrew Mackay and Walter Ryan, of Montreal, have dissolved partnership as plumbers.

Kausen, Tressider & Wood, is the style of a new firm of contractors recently formed in Montreal.

Wm. Hall & Son, dealers in lumber and builders' supplies, Toronto, have been compelled to place their estate in the hands of the assignee.

The plant of the Hamilton Bridge Works is offered for sale by tender by the liquidator, C. S. Scott. Tenders are to be sent in by the 24th inst.

A partnership has been registered between David Yulle and James Cochrane, to do business as founders under the style of the Chanteloup Manufacturing Co.

Gauthier, Vincent & Dufresne, architects, Montreal, have dissolved partnership, and a new partnership has been registered between A. J. Vincent and L. A. Dufresne.

USEFUL HINTS.

The doors of a room in a recently finished house were constructed with the panels flush with the stiles and rails, thus giving a perfectly level surface, which by itself would, of course, be very ugly. The wood was a dark color, varnished with a rubbing varnish, and rubbed down to a dead polish, and then a scroll design was formed with silver-headed nails, the position of the panels being clearly defined by nails with rather larger heads than the rest. The effect was uncommon, to say the least, and while it savored somewhat of a coffin lid, it was not entirely objectionable.

CEMENT FOR GLASS.—Dissolve gum mastic 1 oz. in alcohol; soak 1 oz. of isinglass in water; add alcohol to dissolve it to a strong glue, and add ¼ oz. of sal ammoniac. Put the two solutions into a pipkin; beat and stir; put in a stoppered vial, and warm in a water bath when about to use it. For chemical glasses, 1 oz. pulverized glass, 1 oz. pulverized chalk, ½ oz. of fine brickdust, scraped lint, white of egg. Spread on a linen cloth, and apply to the crack of the glass. To attach metallic letters to plate-glass windows Copal varnish, 16 parts; drying oil, 6 parts; Venice turpentine, 3 parts; oil of turpentine, 3 parts; liquefied glue, 5 parts, and add 10 parts of quicklime in powder.

NEW STAINS FOR WOOD.—The following recipes for new stains for wood are given in the Scientific American: A solution of fifty parts of commercial alizarin in 1,000 parts of water, to which a solution of ammonia has been added drop by drop until a perceptible ammonia odour is developed, will give to fir and oak a yellow brown colour and to maple a red brown. If the wood is then treated with a one per cent aqueous solution of barium chloride, the first-named become brown and the latter a dark brown. If calcium chloride be used instead of barium chloride, the fir becomes brown, the oak red brown, and the maple a dark brown. If a two per cent aqueous solution of magnesium sulphate be used, the fir and oak become dark brown and the maple a dark violet brown. Alum and aluminium sulphate

produce on the fir a high red and on oak and maple a blood red. Chrome alum colours maple and fir reddish brown and oak havanna brown.

BRUSH MATTRESS WORK FOR SHORE PROTECTION.—On the Upper Mississippi River, according to the American correspondent of the Engineer, considerable work is being done to protect the shores by means of dams or groins of brush work filled with stone, and by means of brush mattresses. The government specifications provide that the dams shall consist of brush made into fascines and loaded with rock. The fascines may be laid one at a time or in mats, except in places where the water is over 2 ft. deep, when they must be made in mats. Where only one layer of brush is laid, the covering of rock is 1 ft. thick at the tips and butts, and 2 ft. at the middle of the dams, if required. When more than one layer of brush is used, the bottom layer is covered with rock 6 in. thick at the upper side, and 8 in. at the lower side, if required. On this rock a second layer of brush is laid, 10 ft. or 15 ft. further up stream than the lower layer, and this second layer is fastened and covered as the lower. Additional layers are similarly placed and covered, except that they each are placed and laid 2 ft. further up stream than the one immediately below it, and the top layer is covered with rock, as where a single layer of brush is used.

MUNICIPAL DEPARTMENT.

STEEL v. WOODEN BREAST-SUMMERS.

TOWN CLERK'S OFFICE,
PARRY SOUND, Dec. 21st, 1894.

Editor CANADIAN CONTRACT RECORD.

SIR,—The following section of our Town by-laws has given rise to a good deal of bitter controversy; it being urged on the one hand that the provision is not only too severe, but that the use of wrought iron for the purpose is not, at this time, more favored than wood; and on the other, that having been taken from a city by-law, it is a very good guide to follow. It may be said by way of explanation that only a small portion of the business centre is affected by the by-law, and that within these limits a second class building according to the Toronto standard is taken as our standard for a first-class building.

Here is the section: Breastsummers in "front or rear of any other part of a building on which a brick or stone wall is to be built, shall be made of wrought iron supported by iron columns set on stone foundations."

A breastsummer was recently placed in a building to which the said section is applicable, constructed of six 2x12 in. pine planks, nailed together with ¾ or 4 inch nails, and not otherwise bound together, and supported on brick piers and iron columns, the intention being later on to cover it with sheet iron on the under sides. The breastsummer is 28 feet long, and the building a two-storey brick on stone foundations. I should like an answer, giving in the abstract, the relative values of wood and iron for the purpose mentioned and whether a breastsummer nailed together in the manner indicated is as good as a solid timber, or whether one constructed of plank should not be bolted and strapped in any case.

Yours very truly,

H. L. HAIGHT.

[A wooden breastsummer is safer in case of fire than an unprotected iron one. There is no advantage in metal over wood other than freedom from shrinkage and the possibility of a greater span given. A breastsummer of seasoned timber with span not too great for its carrying powers, or to cause undue deflection, and you have a very good support for a wall above. Of course the wood should be kept free from moisture. The best method of construction is to build with several thicknesses, keeping each far enough

apart to permit of circulation of air. This can be done with strips of oak ½ inch thick. The various pieces should be bolted together with say ½ inch bolts about 2½ feet apart, with two bolts near each end. With steel or iron beams all shrinkage is, of course, avoided, and greater span possible; but in case of a hot fire, the movement would be so great as to damage the brickwork, whereas the wood breastsummers would simply char. Wood is considered quite admirable in our Toronto 2nd class buildings.—EDITOR C. RECORD.]

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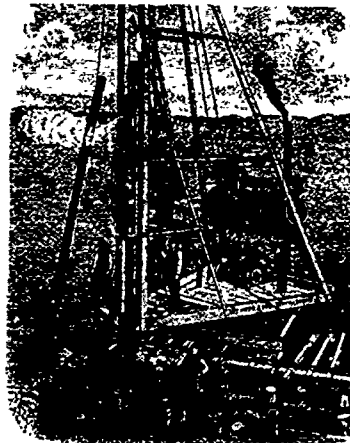
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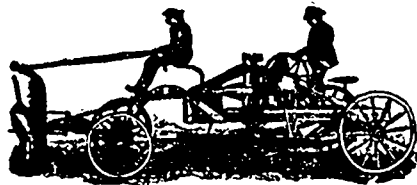
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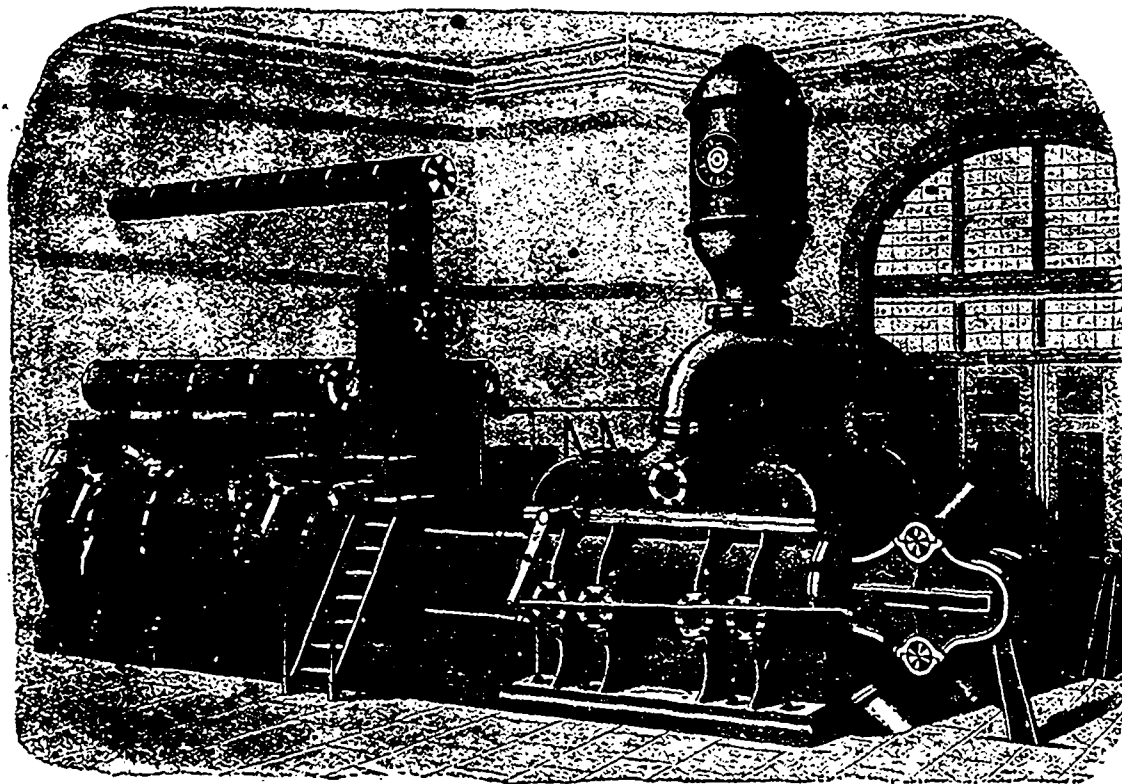
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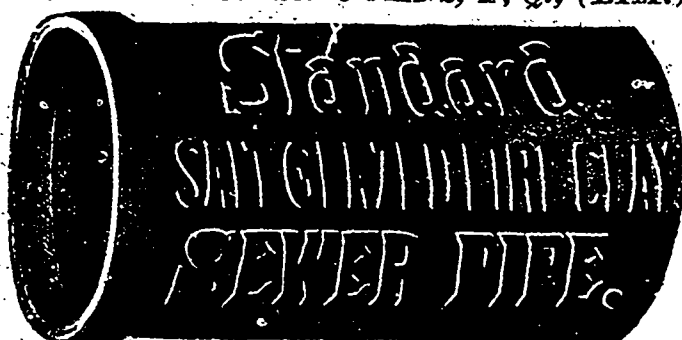
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CONDITION OF THE MARKET.

TORONTO: The improvement noted in the hardware business has been maintained, and numerous orders are reported from the upper lakes, to be shipped by boats before the close of navigation.

MONTREAL: The market for builders' supplies remains quiet, and no renewed activity is looked for until the spring.

Small lines of hardware are moving freely, and travellers report a brighter feeling among the country dealers. The arrivals of cement at this port for the week ending November 23 were 5,700 casks of English brands, which completes the importations for the present season of navigation.

LUMBER.

CAR OR CARGO LOTS.

Table with columns for Toronto and Montreal prices for various lumber types like 1 1/2 to 2 clear picks, 1 1/2 to 3 three uppers, etc.

VAID QUOTATIONS.

Table with columns for Toronto and Montreal prices for mill cull boards, shipping cull boards, Hemlock scantling, etc.

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Table listing prices for White ash, Black ash, Dressing stocks, Picks, American inspection, Three uppers, Am. inspection.

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Pressed Brick, Per M:

Table listing prices for Red, No. 1, f.o.b. Beamsville, Buff, Brown, Roman Red, Buff, Brown, Sewer, Hard Building, Roof Tiles, Hip Tile, Ridge Tile.

Table listing prices for Red 'A' f.o.b. Don Valley, Red 'B', Red 'C', Trojan and Corinthian, Pompeian, Athenian and Egyptian, Tyrian, Sicilian, Roman, Carthaginian, Ornamental.

Table listing prices for 1st quality, f.o.b. at Port Credit, 2nd, 3rd, Hard building brick, Ornamental, per 100.

SAND.

Table listing price for Per Load of 1 1/2 Cubic Yards.

STONE.

Table listing prices for Common Rubble, Large flat Rubble, Foundation Blocks, Kent Freestone Quarries, River John, N. S., brown Freestone, Ballochmyle, New York Blue Stone, Granite, Madoc Rubble, Madoc dimension floating, Ohio Freestone, Promiscuous, No. 1 Blue Dimension, No. 1 Buff Promiscuous, No. 1 Buff Dimension.

Architectural Iron-Work.

Table listing prices for B. Greening Wire Co., Dominion Ornamental Iron Co., Dominion Bridge Co., Meadows, Geo. B., Shipway Mfg. Co., Whitfield, John.

Art Woodwork.

Table listing prices for Carnovsky Wood Mfg Co., Knechtel, S., Wagner, Zeidler & Co.

Bricks (Pressed).

Table listing prices for Beamsville Pressed Brick Co., Morris, E. D., Port Credit Pressed Brick & Terra Cotta Co., Taylor Bros.

Builders' Supplies.

Table listing prices for Bremner, Alex., Currie & Co., W & F.P., Clatworthy, Geo., Maguire Bros., Morris, E. D., Rice Lewis & Son.

Building Stone Dealers.

Table listing prices for Canoll, Vick & Co., Builders' Hardware.

Church and School Furniture.

Table listing prices for Can. Office & School Furniture Co., Carnovsky Wood Mfg. Co., Office Specialty Co., Snider, J. B.

Church Rectifiers.

Table listing prices for Friak, I. P., German, London, Newcastle.

Contractors' Plant and Machinery.

Table listing prices for Rice Lewis & Son.

Toronto. Montreal.

Table listing prices for Cement, Belgian, Canadian, Roman, Parian, Superfine, Thorold, Queenston, Napanee, Hull, Keene's Coarse Whites, Calcined plaster, Fire Bricks, Newcastle, Scotch, Lime, Per Barrel, Grey, White, Plaster, Calcined, N. S., Hair, Plasterers', per bag.

HARDWARE.

Table listing prices for Cut nails, Steel, CUT NAILS, FENCE AND CUT SPIKES, 40d, hot cut, per 10 lbs, 20d, 16d and 12d, hot cut, per 100 lbs, 10d, hot cut, per 100 lbs, 8d, 9d, 6d, 7d, 4d to 5d, 3d, 2d, 4d to 5d cold cut, not polished or blued, per 100 lbs, 3d to 5d cold cut, not polished or blued, per 100 lbs.

FINE BLUED NAILS.

Table listing prices for 3d, per 100 lbs, 2d.

CASING AND BOX, FLOORING, SHOOK AND TOBACCO BOX NAILS.

Table listing prices for 12d to 30d, per 100 lbs, 10d, 8d and 9d, 6d and 7d, 4d to 5d, 3d.

FINISHING NAILS.

Table listing prices for 3 1/2 to 2 1/2 inch, per 100 lbs, 2 to 2 1/2, 1 1/2 to 1 1/2, 1 1/4.

SLATING NAILS.

Table listing prices for 5d, per 100 lbs, 4d, 3d, 2d.

Toronto. Montreal.

Table listing prices for COMMON BARREL NAILS, 1 inch, per 100 lbs, 3/4, 3/8.

CLINCH NAILS.

Table listing prices for 1/2 and 3/4 inch, per 100 lbs, 2 and 3/4, 1 1/2 and 1 3/4, 1.

SHARP AND FLAT PRESSED NAILS.

Table listing prices for 3 1/2 and 2 1/2 inch, per 100 lbs, 2 and 3/4, 1 1/2 and 1 3/4, 1 1/4.

STEEL WIRE NAILS.

Steel Wire Nails, 75, 10 and 5 % discount from printed list.

Iron Pipe:

Table listing prices for Iron pipe, 1/2 inch, per foot, 3/4, 1, 1 1/4, 1 1/2, 2, 3, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 24, 28, 30, 36, 42, 48, 54, 60, 72, 84, 96, 108, 120, 144, 168, 192, 216, 240, 288, 336, 384, 432, 480, 528, 576, 624, 672, 720, 768, 816, 864, 912, 960, 1008, 1056, 1104, 1152, 1200, 1248, 1296, 1344, 1392, 1440, 1488, 1536, 1584, 1632, 1680, 1728, 1776, 1824, 1872, 1920, 1968, 2016, 2064, 2112, 2160, 2208, 2256, 2304, 2352, 2400, 2448, 2496, 2544, 2592, 2640, 2688, 2736, 2784, 2832, 2880, 2928, 2976, 3024, 3072, 3120, 3168, 3216, 3264, 3312, 3360, 3408, 3456, 3504, 3552, 3600, 3648, 3696, 3744, 3792, 3840, 3888, 3936, 3984, 4032, 4080, 4128, 4176, 4224, 4272, 4320, 4368, 4416, 4464, 4512, 4560, 4608, 4656, 4704, 4752, 4800, 4848, 4896, 4944, 4992, 5040, 5088, 5136, 5184, 5232, 5280, 5328, 5376, 5424, 5472, 5520, 5568, 5616, 5664, 5712, 5760, 5808, 5856, 5904, 5952, 6000, 6048, 6096, 6144, 6192, 6240, 6288, 6336, 6384, 6432, 6480, 6528, 6576, 6624, 6672, 6720, 6768, 6816, 6864, 6912, 6960, 7008, 7056, 7104, 7152, 7200, 7248, 7296, 7344, 7392, 7440, 7488, 7536, 7584, 7632, 7680, 7728, 7776, 7824, 7872, 7920, 7968, 8016, 8064, 8112, 8160, 8208, 8256, 8304, 8352, 8400, 8448, 8496, 8544, 8592, 8640, 8688, 8736, 8784, 8832, 8880, 8928, 8976, 9024, 9072, 9120, 9168, 9216, 9264, 9312, 9360, 9408, 9456, 9504, 9552, 9600, 9648, 9696, 9744, 9792, 9840, 9888, 9936, 9984, 10032, 10080, 10128, 10176, 10224, 10272, 10320, 10368, 10416, 10464, 10512, 10560, 10608, 10656, 10704, 10752, 10800, 10848, 10896, 10944, 10992, 11040, 11088, 11136, 11184, 11232, 11280, 11328, 11376, 11424, 11472, 11520, 11568, 11616, 11664, 11712, 11760, 11808, 11856, 11904, 11952, 12000, 12048, 12096, 12144, 12192, 12240, 12288, 12336, 12384, 12432, 12480, 12528, 12576, 12624, 12672, 12720, 12768, 12816, 12864, 12912, 12960, 13008, 13056, 13104, 13152, 13200, 13248, 13296, 13344, 13392, 13440, 13488, 13536, 13584, 13632, 13680, 13728, 13776, 13824, 13872, 13920, 13968, 14016, 14064, 14112, 14160, 14208, 14256, 14304, 14352, 14400, 14448, 14496, 14544, 14592, 14640, 14688, 14736, 14784, 14832, 14880, 14928, 14976, 15024, 15072, 15120, 15168, 15216, 15264, 15312, 15360, 15408, 15456, 15504, 15552, 15600, 15648, 15696, 15744, 15792, 15840, 15888, 15936, 15984, 16032, 16080, 16128, 16176, 16224, 16272, 16320, 16368, 16416, 16464, 16512, 16560, 16608, 16656, 16704, 16752, 16800, 16848, 16896, 16944, 16992, 17040, 17088, 17136, 17184, 17232, 17280, 17328, 17376, 17424, 17472, 17520, 17568, 17616, 17664, 17712, 17760, 17808, 17856, 17904, 17952, 18000, 18048, 18096, 18144, 18192, 18240, 18288, 18336, 18384, 18432, 18480, 18528, 18576, 18624, 18672, 18720, 18768, 18816, 18864, 18912, 18960, 19008, 19056, 19104, 19152, 19200, 19248, 19296, 19344, 19392, 19440, 19488, 19536, 19584, 19632, 19680, 19728, 19776, 19824, 19872, 19920, 19968, 20016, 20064, 20112, 20160, 20208, 20256, 20304, 20352, 20400, 20448, 20496, 20544, 20592, 20640, 20688, 20736, 20784, 20832, 20880, 20928, 20976, 21024, 21072, 21120, 21168, 21216, 21264, 21312, 21360, 21408, 21456, 21504, 21552, 21600, 21648, 21696, 21744, 21792, 21840, 21888, 21936, 21984, 22032, 22080, 22128, 22176, 22224, 22272, 22320, 22368, 22416, 22464, 22512, 22560, 22608, 22656, 22704, 22752, 22800, 22848, 22896, 22944, 22992, 23040, 23088, 23136, 23184, 23232, 23280, 23328, 23376, 23424, 23472, 23520, 23568, 23616, 23664, 23712, 23760, 23808, 23856, 23904, 23952, 24000, 24048, 24096, 24144, 24192, 24240, 24288, 24336, 24384, 24432, 24480, 24528, 24576, 24624, 24672, 24720, 24768, 24816, 24864, 24912, 24960, 25008, 25056, 25104, 25152, 25200, 25248, 25296, 25344, 25392, 25440, 25488, 25536, 25584, 25632, 25680, 25728, 25776, 25824, 25872, 25920, 25968, 26016, 26064, 26112, 26160, 26208, 26256, 26304, 26352, 26400, 26448, 26496, 26544, 26592, 26640, 26688, 26736, 26784, 26832, 26880, 26928, 26976, 27024, 27072, 27120, 27168, 27216, 27264, 27312, 27360, 27408, 27456, 27504, 27552, 27600, 27648, 27696, 27744, 27792, 27840, 27888, 27936, 27984, 28032, 28080, 28128, 28176, 28224, 28272, 28320, 28368, 28416, 28464, 28512, 28560, 28608, 28656, 28704, 28752, 28800, 28848, 28896, 28944, 28992, 29040, 29088, 29136, 29184, 29232, 29280, 29328, 29376, 29424, 29472, 29520, 29568, 29616, 29664, 29712, 29760, 29808, 29856, 29904, 29952, 30000, 30048, 30096, 30144, 30192, 30240, 30288, 30336, 30384, 30432, 30480, 30528, 30576, 30624, 30672, 30720, 30768, 30816, 30864, 30912, 30960, 31008, 31056, 31104, 31152, 31200, 31248, 31296, 31344, 31392, 31440, 31488, 31536, 31584, 31632, 31680, 31728, 31776, 31824, 31872, 31920, 31968, 32016, 32064, 32112, 32160, 32208, 32256, 32304, 32352, 32400, 32448, 32496, 32544, 32592, 32640, 32688, 32736, 32784, 32832, 32880, 32928, 32976, 33024, 33072, 33120, 33168, 33216, 33264, 33312, 33360, 33408, 33456, 33504, 33552, 33600, 33648, 33696, 33744, 33792, 33840, 33888, 33936, 33984, 34032, 34080, 34128, 34176, 34224, 34272, 34320, 34368, 34416, 34464, 34512, 34560, 34608, 34656, 34704, 34752, 34800, 34848, 34896, 34944, 34992, 35040, 35088, 35136, 35184, 35232, 35280, 35328, 35376, 35424, 35472, 35520, 35568, 35616, 35664, 35712, 35760, 35808, 35856, 35904, 35952, 36000, 36048, 36096, 36144, 36192, 36240, 36288, 36336, 36384, 36432, 36480, 36528, 36576, 36624, 36672, 36720, 36768, 36816, 36864, 36912, 36960, 37008, 37056, 37104, 37152, 37200, 37248, 37296, 37344, 37392, 37440, 37488, 37536, 37584, 37632, 37680, 37728, 37776, 37824, 37872, 37920, 37968, 38016, 38064, 38112, 38160, 38208, 38256, 38304, 38352, 38400, 38448, 38496, 38544, 38592, 38640, 38688, 38736, 38784, 38832, 38880, 38928, 38976, 39024, 39072, 39120, 39168, 39216, 39264, 39312, 39360, 39408, 39456, 39504, 39552, 39600, 39648, 39696, 39744, 39792, 39840, 39888, 39936, 39984, 40032, 40080, 40128, 40176, 40224, 40272, 40320, 40368, 40416, 40464, 40512, 40560, 40608, 40656, 40704, 40752, 40800, 40848, 40896, 40944, 40992, 41040, 41088, 41136, 41184, 41232, 41280, 41328, 41376, 41424, 41472, 41520, 41568, 41616, 41664, 41712, 41760, 41808, 41856, 41904, 41952, 42000, 42048, 42096, 42144, 42192, 42240, 42288, 42336, 42384, 42432, 42480, 42528, 42576, 42624, 42672, 42720, 42768, 42816, 42864, 42912, 42960, 43008, 43056, 43104, 43152, 43200, 43248, 43296, 43344, 43392, 43440, 43488, 43536, 43584, 43632, 43680, 43728, 43776, 43824, 43872, 43920, 43968, 44016, 44064, 44112, 44160, 44208, 44256, 44304, 44352, 44400, 44448, 44496, 44544, 44592, 44640, 44688, 44736, 44784, 44832, 44880, 44928, 44976, 45024, 45072, 45120, 45168, 45216, 45264, 45312, 45360, 45408, 45456, 45504, 45552, 45600, 45648, 45696, 45744, 45792, 45840, 45888, 45936, 45984, 46032, 46080, 46128, 46176, 46224, 46272, 46320, 46368, 46416, 46464, 46512, 46560, 46608, 46656, 46704, 46752, 46800, 46848, 46896, 46944, 46992, 47040, 47088, 47136, 47184, 47232, 47280, 47328, 47376, 47424, 47472, 47520, 47568, 47616, 47664, 47712, 47760, 47808, 47856, 47904, 47952, 48000, 48048, 48096, 48144, 48192, 48240, 48288, 48336, 48384, 48432, 48480, 48528, 48576, 48624, 48672, 48720, 48768, 48816, 48864, 48912, 48960, 49008, 49056, 49104, 49152, 49200, 49248, 49296, 49344, 49392, 49440, 49488, 49536, 49584, 49632, 49680, 49728, 49776, 49824, 49872, 49920, 49968, 50016, 50064, 50112, 50160, 50208, 50256, 50304, 50352, 50400, 50448, 50496, 50544, 50592, 50640, 50688, 50736, 50784, 50832, 50880, 50928, 50976, 51024, 51072, 51120, 51168, 51216, 51264, 51312, 51360, 51408, 51456, 51504, 51552, 51600, 51648, 51696, 51744, 51792, 51840, 51888, 51936, 51984, 52032, 52080, 52128, 52176, 52224, 52272, 52320, 52368, 52416, 52464, 52512, 52560, 52608, 52656, 52704, 52752, 52800, 52848, 52896, 52944, 52992, 53040, 53088, 53136, 53184, 53232, 53280, 53328, 53376, 53424, 53472, 53520, 53568, 53616, 53664, 53712, 53760, 53808, 53856, 53904, 53952, 54000, 54048, 54096, 54144, 54192, 54240, 54288, 54336, 54384, 54432, 54480, 54528, 54576, 54624, 54672, 54720, 54768, 54816, 54864, 54912, 54960, 55008, 55056, 55104, 55152, 55200, 55248, 55296, 55344, 55392, 55440, 55488, 55536, 55584, 55632, 55680, 55728, 55776, 55824, 55872, 55920, 55968, 56016, 56064, 56112, 56160, 56208, 56256, 56304, 56352, 56400, 56448, 56496, 56544, 56592, 56640, 56688, 56736, 56784, 56832, 56880, 56928, 56976, 57024, 57072, 57120, 57168, 57216, 57264, 57312, 57360, 57408, 57456, 57504, 57552, 57600, 57648, 57696, 57744, 57792, 57840, 57888, 57936, 57984, 58032, 58080, 58128, 58176, 58224, 58272, 58320, 58368, 58416, 58464, 58512, 58560, 58608, 58656, 58704, 58752, 58800, 58848, 58896, 58944, 58992, 59040, 59088, 59136, 59184, 59232, 59280, 59328, 59376, 59424, 59472, 59520