

MUNICIPAL ENGINEERS, CONTRACTORS AND MATERIALS

The latter tender was accepted. For building cattle sheds the tender of Adams & Belyea, at \$1,350, has been accepted.—James Pender & Co. have awarded a contract to Edward Bates to build a large warehouse at Lower Cove, to cost about \$4,000.—W. H. Thorne & Co. have received the contract of supplying the pipe for the waterworks at Hartland.

NEW COMPANIES.

VICTORIA, B. C.—Idaho Gold Mining & Smelting Co., of Butte, registered to transact business here. Capital, \$500,000. Its chief operations will be in Tail Creek district, West Kootenay.

VANCOUVER, B. C.—Alexander Mining & Dredging Co., incorporated; capital stock, \$3,000,000.—Cinnabar Mining Co., incorporated; capital \$100,000; incorporators, R. G. Tallow, A. G. Ferguson, and C. O. Wickenden.

MONTREAL, QUE.—James Shearer Co., seeking incorporation; capital \$200,000; to manufacture sashes, doors, blinds, and every description of woodwork, applicants, James Shearer, of Westmount, J. T. Shearer, of Montreal, J. Brown, of Westmount and others.

WEIGHT PER SQUARE FOOT OF SHEET METAL.

It will be interesting to those who have anything to do with sheet iron, boiler plate, or similar material to have an easily-remembered rule for finding the weight per square foot of material they are working with. It has been found by experience that a square foot of iron plate $\frac{1}{8}$ in. thick weighed almost exactly 5lb., and this forms a basis for a very simple and easy rule. As a square foot of iron $\frac{1}{8}$ in. thick weighs 5lb., a square foot of $\frac{1}{4}$ in. iron will weigh 10lb., and we can say that the area of any sheet iron (or plate iron) in square feet multiplied by the thickness in one-eighths and multiplied by five will give the weight of the piece. There is a piece of tank iron 5-16 in. thick, 3ft. wide, and 5ft. long, how much does it weigh? The area will be 3ft. by 5ft., or fifteen square feet. Now, how many eights is 5-16 in.? Since $\frac{1}{8}$ in. equals 2-16 in., and two is contained in five two and a half times, we say 5-16 in. equals two and a half eights, or two and a half times 5lb. equals 12 $\frac{1}{2}$ lb. per square foot, and as there are fifteen square feet we have 15ft. by 12 $\frac{1}{2}$ ft. equals 187.5ft. Where the thickness is even eights of in., it is much simpler; but even this is not a hard thing to do as shown. If it is desired to use this rule for other than iron, we simply find the difference between the weights of the two metals per cubic inch and find what a square foot $\frac{1}{8}$ in. thick will weigh, then work as shown above.—*Ironmonger.*

The British Columbia Iron Works, of Vancouver, propose establishing a branch foundry and machine shop at Nelson, B. C.

The city of Moncton, N. B., has purchased the works of the Moncton Gas Light and Water Company, at the amount, of the award, \$278,708, less the \$60,000 bonds.

Wm. Newman, A. M. Can. Soc. C. E., has been appointed City Engineer of Windsor, Ont.

DEBENTURES PURCHASED

Municipalities issuing debentures, no matter for what purpose, will find a ready purchaser by applying to

G. A. STIMSON, 9 Toronto Street, Toronto.

Any assistance required in computing calculations in connection with sinking fund, etc., will be gladly given. N.B.—Money to loan at lowest rates on first mortgage.

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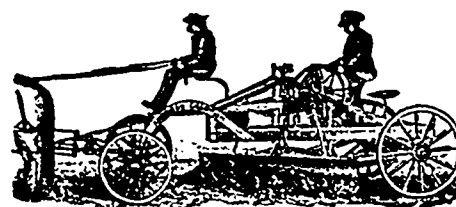
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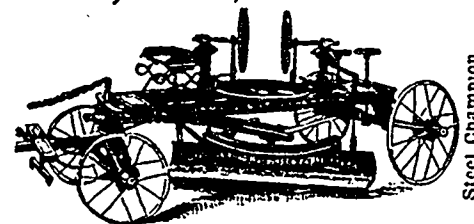
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