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CANADIAN CONTRACT RECORD

A WEEKLY JOURNAL

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EVERY

WEDNESDAY

This paper reaches every week the Town and City Clerks, Town and City Engineers, County Clerks and County Engineers
Purchasers of Municipal Debentures and leading Contractors in all lines throughout Canada.

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CONTRACTS OPEN.

BALSOVER, ONT.—The school trustees have decided to erect a new school.

TRENTON, ONT.—The G.T.R. will build a new station here, to cost \$10,000.

OIL SPRINGS, ONT.—It is said that L. Hanck will erect a grist mill in the spring.

FLORENCE, ONT.—The Methodist congregation will build a new church this spring.

SEBRINGVILLE, ONT.—The ratepayers of S. S. No. 3 have decided to build a new school.

REGINA, N.W.T.—The council has decided to borrow \$10,000 to meet current expenses.

MELCOMBE, ONT.—The material is being placed on the ground for the new St. Patrick's church.

CANNING, N.S.—Hon. F. W. Borden has decided to erect a large creamery near this place.

MOOSE JAW, N.W.T.—The Presbyterian congregation contemplate building a new church this year.

BERLIN, ONT.—The construction of the Victoria street drain, costing \$10,000, will be undertaken this year.

WINTHROP, ONT.—J. C. Morrison, township clerk, has been authorized to secure tenders for sewer pipe.

PENBROKE, ONT.—The by-law to raise \$26,000 for town improvements was defeated by the ratepayers.

YARMOUTH, N.S.—A committee of the town council has recommended the installation of an electric light plant.

SAULT STE. MARIE, ONT.—The town clerk is obtaining information regarding the construction of a sewerage system.

BILLINGS BRIDGE, ONT.—The ratepayers have authorized the trustees to erect an addition to the present school.

LONDON, ONT.—Herbert Matthews, architect, is preparing plans for renovation of Methodist church at Brownsville.

ST. JOHNS, QUE.—It is understood that the Canadian Baling Co. will rebuild their factory recently destroyed by fire.

BRANTFORD, ONT.—It has been decided to make improvements to the auditorium of St. Andrews' Presbyterian church.

FORMOSA, ONT.—A company has been formed here to develop the oil industry. Dr. Cairness and Joseph Kraemer are interested.

NELSON, B.C.—It is likely that a new church will be built this year by the congregation of St. Paul's, estimated cost \$20,000.

CARLETON PLACE, ONT.—Findlay Bros. have purchased property on High street on which they will erect new brick buildings.

VALLEYFIELD, QUE.—The Montreal Cotton Co. are about to expend a large sum of money in the installation of new machinery.

STRATFORD, ONT.—J. S. Russell, architect, has completed plans for the new school building to be built in S. S. No. 3, Downie.

HUNTSVILLE, ONT.—During the coming season the council will likely undertake improvements to the fire alarm and waterworks system.

HALIFAX, N.S.—H. P. Clarke, who proposes to erect a theatre in this city, has asked the council to exempt the building from taxation.

PORT ARTHUR, ONT.—J. A. Jamieson has about completed plans for a large elevator to be built by the Canadian Northern Railway Co.

KAMLOOPS, B.C.—It is being urged that the city council should establish a sewerage system and improve the electric light and waterworks plants.

APPIN, ONT.—A. McTaggart, Box 45, will receive tenders up to February 15th for erection of brick veneer church near Mayfair, township of Ekfrid.

WESTON, ONT.—New York parties are negotiating for the establishment of a wall paper factory in this town. Thos. McLaughlin, of Toronto, is interested.

THOROLD, ONT.—A petition is being circulated requesting the town council to

again submit to the ratepayers the by-law providing for road improvements.

NEEPAWA, MAN.—The School Board wants tenders by February 10th for erection of two roomed brick dwelling. Particulars from M. H. Fieldhouse, secretary-treasurer.

CHARLOTTETOWN, P. E. I.—The time for receiving tenders for the steel bridge over the North river has been extended by the Government to Saturday, 26th inst.

NORTH TORONTO, ONT.—A committee of the council has been appointed to purchase the land necessary in connection with the construction of proposed waterworks system.

SIMCOE, ONT.—Frank Reid, town treasurer, wants offers by noon of February 2nd for purchase of \$10,000 4 per cent. thirty year debentures and \$2,444 4½ per cent. twenty year debentures.

BRANDON, MAN.—W. H. Shillinglaw, architect, has submitted to the Western Agricultural and Arts Association plans for a main building 70 x 40 feet, two stories in height, cost \$4,000.

HANOVER, ONT.—The Knechtel Furniture Co. have decided to rebuild their factory on condition that the town grants a loan of \$10,000 and expends \$20,000 on a waterworks system.

PORT ARTHUR, ONT.—E. S. Jenison has recently been in New York in consultation with representatives of an American pulp and paper syndicate in respect to the erection of a large pulp mill at this place.

LEAMINGTON, ONT.—Dr. Hillier intends erecting a fine office building on Talbot street.—The merchants are taking steps to install an electric light plant. A considerable sum has already been subscribed.

DANVILLE, QUE.—Messrs. Angus and Whiteford, of Montreal, have been granted a loan of \$30,000 by the municipalities of Shipton and Danville to assist in the erection of paper and pulp mills on the Nicolet river.

SMITH'S FALLS, ONT.—Two tenders have been received for the North Castor river, Silver creek and Wylie creek drainage work, and the contract will be awarded at a special meeting to be called immediately.

AYR, ONT.—The by-law granting a bonus of \$2,000 to J. Stewart Clarke to assist him in establishing an electric light plant here and in building the Port Dover-Berlin railway has been endorsed by the ratepayers.

HAMILTON, ONT.—The Sewerage Committee has decided to ask for tenders for sewer pipe.—The city will likely undertake this year the construction of sewers on Birch avenue and Catharine street north, although it is not certain that funds will be available to complete both works.

both works.—Stewart McPhie, architect has prepared plans for alterations to the store, corner of King and James streets, to be occupied by S. T. Treble, gent's furnisher.

VANCOUVER, B.C.—It is probable that steps will be taken this year to enlarge the city hospital.—Representatives from this vicinity have asked the Dominion Government to build a telegraph line from Telegraph Creek to Skeena.

LINDSAY, ONT.—The Mayor, in his inaugural address, suggests that steps again be taken to raise funds for the erection of a fire hall.—The town commissioner has recommended the construction of a sanitary sewer on Kent street, estimated cost \$4,470.

BROCKVILLE, ONT.—Tenders close 6 p.m. to-day (Wednesday), for erection to addition to Canada Oak Belting Company's factory; B. Dillon, architect.—A manager is wanted for the Brockville Gas and Electric Light Works, to commence duties February 15th.

KINGSTON, ONT.—Architect Ellis is preparing plans for a residence to be built on Union street by John Marshall, of the Collegiate Institute staff.—It is expected that work will shortly be commenced on the new medical building for Queens' University.

FORT WILLIAM, ONT.—It is reported that the G.T.R. will build a spur line of railway from Carlstadt, 150 miles northwest of this town, to tap the Antikokan iron district.—The Dowd Milling Co., of Quyon, Que., are considering the erection of a flour mill and elevators here.

WALKERTON, ONT.—The Mayor has suggested that the council consider the advisability of establishing a municipal electric light plant.—Steps will likely be taken to raise funds with which to build a hospital in this town, the late Wm. Moore having given \$5,000 for the purpose.

ST. CATHARINES, ONT.—L. K. Jones, Secretary Department of Railways and Canals, Ottawa, desires tenders by Wednesday, 30th inst., for straightening and making water tight about 650 feet of the west retaining wall of lock 24 of the new Welland canal, also for rebuilding parts of the remainder of the wall. Plans at office of superintending engineer in this city.

PETERBOROUGH, ONT.—The prospectus of the Dominion Cordage & Manufacturing Co. has been issued. This company will erect a factory to cost, with equipment, about \$100,000.—A by-law to provide \$3,000 for building bridges over Reid and Donegal streets has been passed in council.

COLLINGWOOD, ONT.—Architect Palin is preparing plans for alterations and improvements in the interior of C. Stephens & Co.'s retail store.—The Mayor, in his inaugural address, suggested that an expert be employed to report on the cost of making necessary improvements to the electric light plant.

OSHAWA, ONT.—A resolution has been passed in council to obtain the services of a competent engineer to report on the construction of waterworks and sewerage systems. A committee has been appointed to petition the Dominion Government in favor of making a harbor of refuge at this port.

TORONTO JUNCTION, ONT.—William Rowatree, of Davenport, has purchased property at the corner of May and Dundas streets, on which he will erect a large building in the spring.—Mr. Hawkins has just commenced the erection of a house on the corner of Vine and McMurray avenues.

FREDERICTON, N.B.—The city council have not yet reached a decision regarding the construction of a sewerage system.—Hon. C. H. Labilloy, Commissioner of Public Works, is calling for

tenders for construction of several bridges throughout the province.

LISTOWEL, ONT.—Tenders are wanted by January 31st for the various trades, including masonry, cut stone, carpenter work, painting and glazing, plumbing, tinwork, concrete floor, etc., required in erection of a large livery barn, store and dwelling for George D. Morrison, Queen street, Kincardine, and for a pressed brick residence for James Fox, of Brussels. W. E. Binning, of this town, is architect for the above works.

TRURO, N.S.—The statement is reported to have been made by Hon. Mr. Blair, Minister of Railways, that it is the intention of the government to expend about \$2,000,000 on improvements to the Intercolonial railways between this town and Sydney, N. S. The expenditure will provide proper facilities for trans shipment of trains at Mulgrave, and for the siding and yard accommodation needed at various points on this division. The double tracking of the I.C.R. on the eastern division of Nova Scotia may also be undertaken.

VICTORIA, B.C.—W. S. Gore, Deputy Commissioner of Lands and Works, invites tenders up to February 9th for construction of a wooden highway bridge across the Kettle river at Columbia, and another across the north fork of the same river at Hardy's crossing. Specifications at parliament buildings, this city, and on application to J. A. Dinsmore, Grand Forks.—Bids are invited by F. C. Gamble, Inspector of Dykes, up to February 2nd for construction of either concrete or wooden sluice gates in the dyking districts of Coquitlam, Maple Ridge, and Pitt Meadows. Cheque for \$1,500 to accompany tender.—The Mayor is in favor of increasing the electric light plant.

WINNIPEG, MAN.—The construction of a sewer on Chamber street, cost \$1,040, has been recommended to the council.—William McKenzie has stated that the Canadian Northern Railway Co. will erect a new depot in this city and build a bridge over the Red river. The site for the depot is said to have been purchased.—D. Olson, flour and feed merchant, intends erecting a brick building near his present premises on King street.—John Leslie, furniture dealer, Main street, purposes making alterations to his building, to cost \$15,000.—Tenders are invited by S. Frank Peters, architect, up to Thursday, 31st inst., for erection of brick residence on Kennedy street.

ST. JOHN, N. B.—The county council have decided to invite competitive plans for improvements to the jail.—Charles Burrill, B. F. Pearson and others were in the city last week in connection with the proposal to build a steel ship-building plant here.—Memorial windows will be placed in Centenary church.—The New Brunswick Cold Storage Co. invites bids up to February 2nd for the purchase of \$60,000 4 per cent. 40 year debentures.—Reed's Point wharf is to be repaired, at a cost of \$16,000. The city engineer has been instructed to ask for tenders for 1,600 tons of hemlock timber for the purpose. The corporation will invite tenders for the supply of 17,000 spruce blocks for street paving, for two watering carts, and for 2,000 feet of granite curbing.—The repair of South Rodney wharf, at cost of \$3,000, is under consideration by the council.

QUEBEC, QUE.—The city council has decided to ask the provincial legislature for authority to borrow \$100,000 to carry out improvements to the waterworks and fire systems.—The report of Ernest Belanger, civil engineer, of Montreal, on the water supply of this city, has been received. He recommends an expenditure of about \$80,000 in new hydrants, larger pipes, etc.—If the necessary site can be secured, the enlargement of the Chateau

Frontenac will be commenced at once; estimated cost \$250,000.—The Fraserville Pulp Co. is applying for incorporation.—The Quebec Central Railroad Co. is seeking power to build a branch line from Scott's Station to the Quebec bridge, thence for five miles to a point on the south bank of the St. Lawrence river.—The Quebec Northern Railway Co. seeks power to construct a railway line from the northern boundary of Montcalm or Joliette counties north to the East Main river on James Bay, also a branch to this city.

OTTAWA, ONT.—Arthur Thompson purposes erecting a building at the northeast corner of Sparks and Metcalf streets, the plans for which have been completed by Mr. Barker, a new York architect. It will be 66 x 99 feet, six stories, of stone and pressed brick, cost \$140,000, and will comprise offices with accommodation for a bank or insurance company. Work will be commenced in the spring.—The waterworks committee has decided to engage Wm. Kennedy, C.E., of Montreal, to report on the cost of needed improvements to the waterworks plant.—T. Lindsay has secured options on two properties on Spark street on which he will erect a large store. Plans for the building have been prepared by M. C. Eddy, architect.—William Hodgson, architect, has been instructed to prepare plans for a new public school to be built on Wellington street.—Jos. R. Roy, acting secretary Department of Public Works, wants tenders by Friday, February 15th, for re-construction of the outer end of wharf at Bay du Vin, Northumberland county, N. B. Plans at above department and at offices of E. T. P. Shewen, St. John, N. B., and C. E. W. Dodwell, Halifax, N. S.—Work will be commenced in the spring on a large addition to St. Patrick's orphan asylum. The plans show a four storey building 72 x 50 feet, to cost \$20,000.—Chas. Macnab, county clerk, wants tenders by 25th inst. for supply of 100 toise of limestone.

TORONTO, ONT.—It is understood to be the intention of the owner of the Palmer House, corner King and York streets, to make extensive improvements, which will include another story and provide forty extra rooms.—Mackenzie, Mann & Co. will receive tenders at their offices in the Toronto Railway chambers until noon of Saturday, 26th inst., for building abutments and piers for bridge crossing Rainy river, between the Province of Ontario and State of Minnesota.—A deputation representing the Industrial School Board have asked the Premier of Ontario for a grant of \$2,500 to assist in erecting a laundry and assembly hall at the Alexandria School for Girls, East Toronto.—The managers of the Bonnar Presbyterian church have decided to take steps to enlarge the Sunday School building so as to provide room for 200 more children. The estimated cost of the addition is \$3,000.—An inspection has been made of the railway bridge at the Don with a view to strengthening it.—It has been rumored that the Independent Order of Foresters are considering the erection of a \$250,000 hotel on Queen street west, opposite the city hall.—The Toronto & Scarborough Railway Company desire to extend their road from Gerrard and Main streets, East Toronto, to Little York, about a mile distant. The extension depends upon satisfactory arrangements with the G. T. R. for the reconstruction of a bridge over the railway tracks on the Gerrard street side of Little York.—It is understood that Mr. A. E. Kemp, M.P., will build a residence in the spring on Castle Frank ave., Rosedale, plans for which are now being prepared.—The following works have been recommended:—Asphalt pavement, King street, from Defferin to Roncesvalles ave., cost \$55,810; and concrete sidewalks on the following streets: Clara street, west side, from Oak street to Orford avenue,

cost \$328; William street, west side, Queen to Caer Howell, cost \$2275; Rose avenue, east side, Prospect street to Wellesley, cost \$435, also from No. 61 to St. James avenue, cost \$542; Prospect street, north side, Rose avenue to Parliament street, cost \$348; Clara street, east side, Oak street to Orford avenue, cost \$350; Dundas street, east side, from Halton to Arthur street, cost \$361; Tianby avenue, north side, Avenue road to Bedford road, cost \$695; Rose avenue, west side, from a point 122½ feet north of Wellesley to St. James avenue, cost \$494; King street, north side, from Sumach to St. Paul, cost \$475; Grosvenor street, north side, from Surrey Place to Queen's Park crescent, cost \$323; King street, north side, Parliament to Berkeley, cost \$1029; Queen street, north side, Grant street to Bolton avenue, cost \$1496; Harbord street, north side, Bathurst to Markham, cost \$292, also from Parliament to Trefann street, cost \$374; Gerrard street, south side, River to Sumach street, cost \$610; Leopold street, north side, Jameson to Dowling avenue, cost \$700, also on the south side, cost \$632; Glen road, east side, Elm avenue to South drive, cost \$747.—Building permits have been granted as follows: William Davies Co., one story brick store, south-east corner College and Bathurst street, cost \$3,600; M. S. Kellow, pair brick dwellings on Wells street, near Albany avenue, cost \$5,000.—The city engineer has made a report to council on the proposed western sewer. The Indian road district system will cost \$7350; the Indian road sewer from the Lake Shore road to Garden avenue, \$7580; the Indian road sewer from Garden avenue to Cherry street, \$3965; the Cherry street sewer, \$4350; the High Park sewer, \$2740.

MONTREAL, QUE.—L. O. David, city clerk, will receive bids up to February 1st for supply of license numbers, badges, etc.—J. R. Gardiner, architect, has taken tenders for the erection of college building at Grand Ligne, Que.—The general superintendent of the G.T.R. went to Portland, Me., last week in connection with the selection of a site for new elevator to be erected there.—In connection with the hospital project, it is reported that in return for \$50,000, half of the sum proposed to be devoted to the purpose, an hospital under Roman Catholic direction would be built in connection with the Hotel Dieu.—The Board of Trade have approved of the project to render navigable the French river between Georgian Bay and Lake Nipissing.—The question of the adoption of water meters for house services is under consideration by the council.—Macvicar & Heriot, architects, 189 St. James st., have prepared plans for a residence on Churchill avenue, Westmount, to cost about \$10,000, for which tenders will be asked shortly.—The city council is at present considering the raising of a municipal loan of \$2,000,000. This is required for municipal improvements, including new sidewalks and pavements, new fire stations, improvements to city hall, \$400,000 for Bonsecours market, and \$500,000 for level crossings.—The warehouse of the Central Agency Co., 12 de Bresoles street, collapsed last week. The building is owned by the Grey Nuns, who will probably replace it by a steel and iron structure.—The shareholders of the Carillon and Grenville Railway Co., at their annual meeting held in this city last week, discussed the question of using electric instead of steam power on their railway, a proposition to do this having been made by some capitalists who are considering the utilization of the power of the old Carillon canal.—John Kennedy, chief engineer of the Harbor Board, has submitted a report covering the new work of the harbor and also additional work to be undertaken. He recommends as urgent the building of the middle pier

of plan 1242, raising of the wharf at the city side of the windmill point basin, and the extension of the broad wharf on the south-east side of the same basin.—Building permits have been issued as follows: P. Millaire, three storey house, 274-276 St. Dominique st., cost \$1,550; E. Lesperance, two two storey houses, Bienville street, cost \$1,200; E. Blanchette, two storey house, Massue street, cost \$1,200; St. Lawrence Investment Co., alterations to house, corner La Salle and Rachel streets, cost \$1,600; Hutchison & Wood, architects; Chas. Guilbault, two storey house, 36 Robin street, cost \$1,000; D. Bertrand, three storey house, 1220 St. Catharine street, cost \$2,666; Ovilla Dumoulin, two storey house 1681 St. Hubert street, cost \$1,000.—V. Pauze & Son, 193 St. Urban street, are calling for tenders for four houses in Maisonneuve.

FIRES.

Cooperage shop of R.C. Tait at Shediac, N. B.; loss \$8,000.—Farmers' Milling Co.'s mill and elevator at Fort Saskatchewan, N.W.T.; loss \$25,000.—Residence of William Flynn, Somerset street, St. John, N.B.—Leonard Hotel at Hampton, N. B., totally destroyed; loss \$3,000, insurance \$1,500.—Dry goods warehouse of Thomas May & Co., at corner Notre Dame and McGill streets, Montreal, partially destroyed; loss \$250,000. The building is owned by the Redford estate.—Building at Perth, Ont., owned by J. Bower; loss \$12,000.—At Phoenix, B.C., M. McBean & Co.'s dry-goods store, the Imperial hotel, Baldwin's block, and building owned by William Hunter & Co., were destroyed by fire on the 17th inst.—Grain and seed store of D. Kennedy and residence of Edgar Brocklebank at Arthur, Ont., completely destroyed; partially insured.—Woollen Mills at Lambton Mills, Ont., owned by the Canadian Woollen mills Co., totally destroyed; loss \$75,000.—Fire at Elgin, Man., on 20th inst. destroyed the following buildings: Harness store of W. H. Bull, stores of D. Irwin, T. P. Jackson, Temple & McGuire, and Dr. J. R. Chambers, the post office, and implement warehouse of Massey-Harris Co.; loss \$25,000.

CONTRACTS AWARDED.

KINGSTON, ONT.—H. I. Breck has secured the contract for wiring and lighting the new drill hall.

ST. MARY'S, N. B.—The contract for rebuilding bridge at Dumbarton has been let to Whitman Drew, of this place.

HANOVER, ONT.—H. Gruetzner has let the contract for stone and brick-work and plastering of his new store to H. Prast.

GLENCOE, ONT.—For purchase of \$1,850 village debentures the tender of G. A. Stimson & Co., of Toronto, has been accepted; price \$1,876.

SHAWVILLE, QUE.—Pontiac county council have accepted the tender of the Sawyer-Massey Co., of Hamilton, for the supply of a stone crusher.

WINNIPEG, MAN.—The contract for iron superstructure of C.P.R. bridge over the Red river has been let to the Dominion Bridge Co., of Montreal, and that for masonry substructure to, Kelly Bros., of this city.

LONDON, ONT.—H. C. McBride, architect, has let the following contracts for new store on Richmond street: Mason and brickwork, John Hayman & Sons; carpenter work, Harry Martin.—Moore & Henry, architects, have awarded the contract for renovation of store on Richmond street to Tambling & Jones, contractors.

The capital stock of the Canadian Bridge Company, of Walkerville, Ont., is \$250,000, instead of \$25,000, as given in last issue;

BLASTING.

The subject of blasting has been very exhaustively and scientifically treated by Messrs. A. W. and Z. W. Daw, in a book

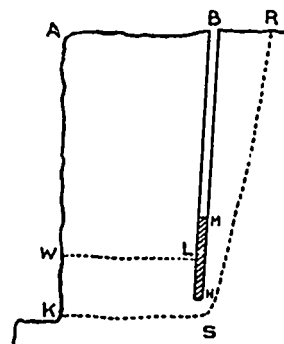


FIG. 1.

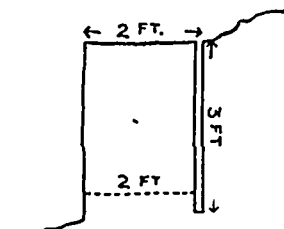


FIG. 2.

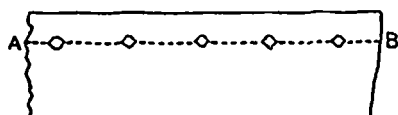


FIG. 3.

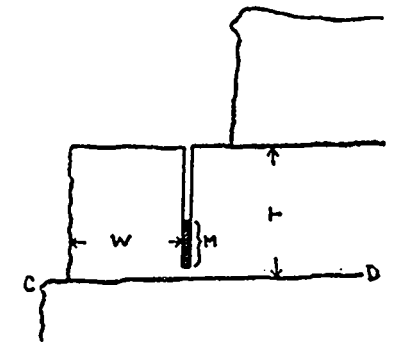


FIG. 4.

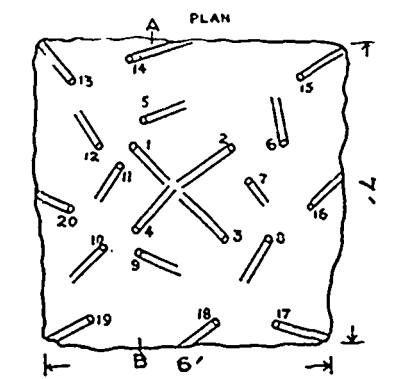


FIG. 5.

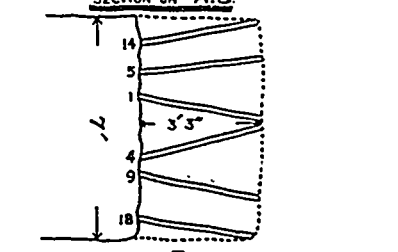


FIG. 5.

designed for technical men. A simpler treatise, with good practical suggestions,

has been prepared by Oscar Guttman. There are few operations in mining where a workman can display a higher degree of skill and effect larger economies than in

blasting and also a general loss distributed among many items in the operation of the mine, if the output per miner falls below the estimated average, for the handling of which preparations have been made.

For the most part efficient work in blasting is a matter of experience and good judgment. This cannot be taught in books, but there are some general rules which are fundamental, and in proportion as these are understood and appreciated the work of mining will be conducted with greater system and economy. Unsystematic effort is always wasteful and costly, and system implies the recognition of some definite principles according to which the work is laid out and prosecuted.

(To be continued next week).

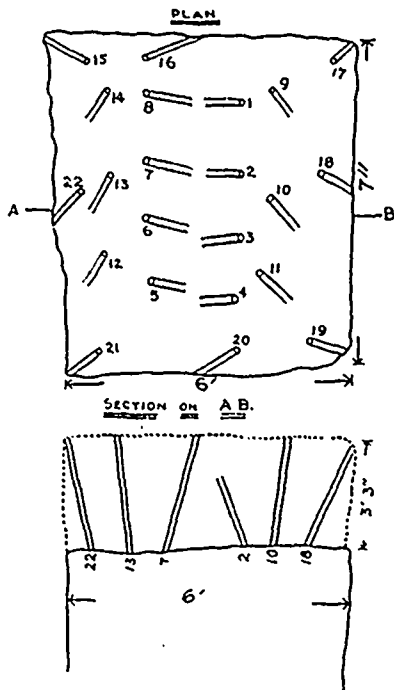


FIG. 6.

the proper placing of bore-holes, and in the proper adjustment of his charges to the work to be done. Against every hole fired is charged a number of expenses, to wit, labor, power (steam or air) where machine drills are used, wear and tear on plant, ex-

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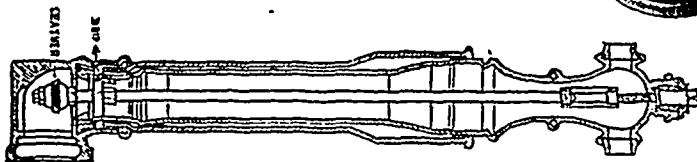
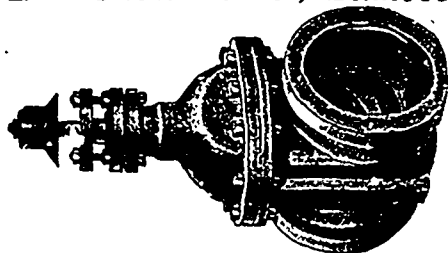
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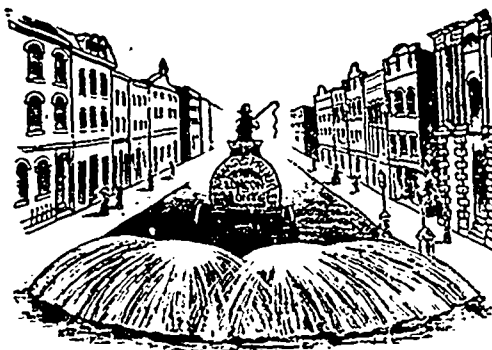
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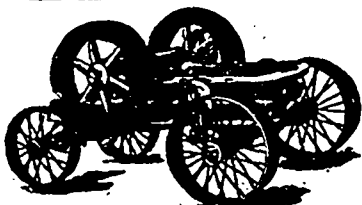
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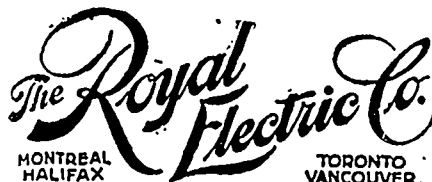
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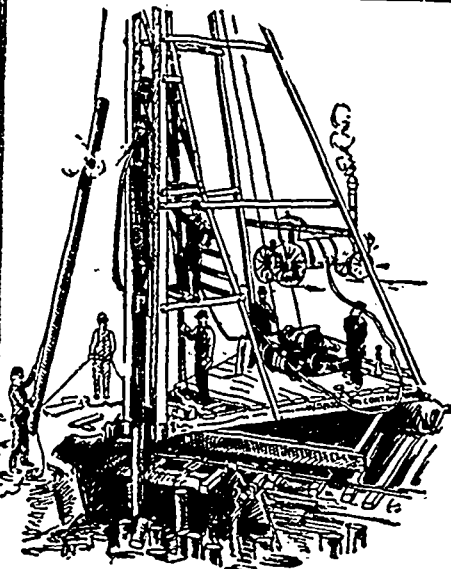
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TESTS OF CEMENT.

The annexed table gives the results of cement used by the city of Toronto during the year 1899. These tests were conducted by the City Engineer's department, the

by Hoddinott and another man on a scaffold about 8ft. or 9ft. from the ground, which was put up in the morning and taken down at night. The buildings or stables were more than 30ft. in height. On August 19th, 1898, as one of the stays was being lifted, it tilted, and striking Hoddinott threw him off the scaffold on to some bricks, and he died from the injuries he received. The County Court Judge held that the scaffold was not insufficient, and that the accident was not caused by any insufficiency of the scaffold, and he gave judgment for the defendants. Counsel for the plaintiff then applied for compensation under the Workmen's Compensation Act, and after taking further evidence

That cannot be," said his Lordship, "for it had already been constructed, and what was then done was only an addition to that which it had already been contemplated would be wanted. How could it be said that the man was employed in a building which was being constructed? The construction was at an end, but some strengthening was afterwards needed to be done." He did not think that construction could be limited to the original construction. That would be in effect substituting "erection" for construction. Construction, repair, demolition—these covered, he thought, the varying phases in the life of a building from its beginning to its end. He preferred to rest his judgment on this

BRAND OF CEMENT.	NO. OF SAMPLES TESTED	AVERAGE SPECIFIC GRAVITY	RESULT OF BLOWING TEST	RESIDUES % SIEVES PER INCH			TENSILE STRENGTH NEAT					TENSILE STRENGTH 3 TO 1				
				50	75	100	1 week	1 mo.	2 mos.	3 mos.	6 mos.	1 week	1 mo.	2 mos.	3 mos.	6 mos.
BELGIAN WHITE STAR	3	3.04	Good	1.3	9.0	12.3	231	311	359	385	...	85	153	170	239	...
ENGLISH GLOBE	1	2.94	Good	1.5	6.2	9.4	267	349	415	429	421	115	168	194	231	256
BELGIAN JOSSON	1	3.08	Good	.0	6.3	9.0	396	453	506	520	536	91	133	202	215	...
GERMAN DYKERHOFF	1	3.16	Good	.0	5.0	13.0	439	495	416	515	600	132	178	215	198	...
BELGIAN ELEPHANT	1	3.00	Good	.0	6.0	11.0	306	320	422	361	...	89	190	215	246	...
GERMAN HEMMOOR	1	3.08	Good	.0	8.0	15.5	520	474	500	551	570	104	211	220	210	208
GERMAN 3 STARS	2	3.07	Good	.25	2.2	5.2	359	442	487	495	456	159	190	202	256	313
CANADIAN BEAVER	4	3.07	Good	.0	.5	2.4	363	397	388	444	471	123	161	249	243	328
CANADIAN ENSIGN (Silica).	8	2.98	Good	.0	.0	0.8	346	395	468	488	497	112	177	233	230	254
BELGIAN WHITE CROSS . . .	5	3.05	Poor	1.0	7.4	13.0	360	443	449	520	537	126	169	231	273	321
CANADIAN SAMSON	10	3.09	Good	1.0	8.0	4.8	429	490	535	554	559	134	211	251	273	285
CANADIAN STAR (Rathbun's)	41	3.07½	Good	.0	0.6	1.7	459	515	516	558	590	183	247	297	331	358

samples being taken promiscuously from cement employed on the various works. The specifications provide for a specific gravity of 3.09; sieve, 10 per cent. on 100 sieve; strength, 350 pounds in one week; faja blowing test (hot water.) The clause in the specifications relating to the quality to be supplied reads:

"The cement to be well and carefully packed, and to stand a tensile strain of 350 pounds per square inch after 24 hours in air and 5 days in water. Samples of the cement being sifted through a 100 wire gauge sieve of 10,000 to the square inch must not leave a residue of more than ten per cent."

It will be observed that 63 samples of Canadian cement and 15 samples of foreign cement were tested. Mr. Cecil B. Smith, under whose direction the tests were made, explains that the small number of foreign samples tested is due to the fact that very little foreign cement is now used in Toronto. The results of these tests are interesting, showing but a slight variation from the conditions called for in the specifications.

the judge held that the plaintiff was entitled to damages under that Act, and he awarded as compensation \$245 14s. The Court of Appeal reversed that decision, and gave judgment for the respondents, mainly on the ground that, in the words of the statute, the man was not employed on a building that was being constructed or repaired, but on a building that was being added to or altered. Lord Macnaghten, in now giving judgment, said that all the learned judges concurred in holding that the building in which the accident happened was not at the time being constructed nor being repaired, and that the respondents were not undertakers within the meaning of the Act. The ground of their decision was stated very clearly by Lord Justice Smith: "Were the ironfounders," he asked, "who put in these stays constructing the building?"

broad ground, but he could not help thinking that something narrower would lead to the same result in the present case. One would say with the strictest propriety that a building was in the course of construction when it was being reconstructed in order to make it what it was intended to be, a firm substantial structure, capable of resisting the action of the wind. He thought in this case the learned judges of the Court of Appeal had taken too narrow a view. If they construed the words of the act so narrowly as to exclude one of the commonest operations of the building trade, the alteration of a building already erected, and so debarred a workman engaged in that operation from all benefit of the Act, they would, he ventured to think, violate the letter as well as the spirit of the Act. The appeal ought to be allowed with costs in Court of Appeal.

LEGAL.

THE DIFFERENCE BETWEEN CONSTRUCTING AND ERECTING A BUILDING.—In the House of Lords on December 10th the case of Hoddinott (pauper) v. Newton, Chambers & Co., Ltd., was heard. This was an appeal, says the Irish Builder, from a judgment of the Court of Appeal, and it arose under the Workmen's Compensation Act. The action was originally brought in the County Court under the Employers' Liability Act, 1880, by the widow of Benjamin Hoddinott, a riveter employed by the respondents, contractors, Westminster, to recover compensation for the loss of her husband, who was killed through alleged negligence. One Parker, a builder, had under contract completed the construction of a building in Lower Richmond road, Putney, which was used as stables by the London General Omnibus Company. After the completion of the building the company employed the respondents to fix certain iron stays in the ground floor from girder to girder to stiffen or strengthen them. The work was performed

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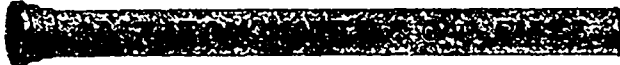


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