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A Weekly Journal of Advance Information and Public Works.

ITS PURPOSE TO SUPPLY TO CONTRACTORS ADVANCE INFORMATION RESPECTING CONTRACTS OPEN TO TEN-DER, AND TO ARCHITECTS, ENGINEERS, MUNICIPAL AND OTHER CORPORATIONS, A DIRECT MEDIUM OF COM-MUNICATION:WITH CONTRACTORS.

. VTS:MERIT: ECONOMICAL AND REFECTIVE SERVICE.

Vol. 1.

Toronto and Montreal, Canada, January 3, 1891.

No. 47

THE CANADIAN CONTRACT RECORD,

A Neckly Journal of Advance Information and Public Works.

PUBLISHED EVERY SATURDAY As an Intermediate Edition of the "Canadian Architect

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C: H. MORTIMER, Publisher,

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Telephone 2362.

62 Temple Building. ... Bell Telephone 22/9.

Information from any part of the Dominion regarding contracts open to lender sont exclusively to this journal for publication, and not elsewhere published, will be liberally paid for.

ADVERTISING RATES ON APPLICATION

At its Commution held in Toronto, Nov. 30 and 21; 1889, the Unterio Association of Architects signified its approval of the CANADIAN CONTRACT RECURD, and Pledged its members to use this journal as their medium of communication will contrigers with respect to advertisements for Touders.

tructors with respect to advertisements for Tenders....
The following resolution was unanimously adopted at the First Annual Meeting of the Frovince of Quebec Association of Archiects, held in Montreal, Oct. 10th and 11th, 1890; "Moved by M. Perrauts, esconded by M. F. Dunlop, that we the Architects of the Province of Quebec now assembled in Convention being satisfied that the CANADIAN CONTRAOT RECOUND affords us a direct communication with the Contractors, Resided, that we pledge our support to it by using its columns when calling for Tenders."

The publisher of the "Canadian Contract Record desires to ensure the regular and prompt desirery of this Journal to every subscriber, and requests that any cause of complaint in t.... particular be reported at once to the office of publication. 'Subscriber; who may change their address thould also give prompt notice of same, and in doing so, should give both old and new address.

TENDERS WANTED.

Tenders will be received at the office of the undersigned until Thursday, January 8th, 1891, for the erection of a brick residence on Hyman Street, London, Ont. Plans and specifications can be seen at my office, Hunt's Block, Richmond Street." The lowest or any tender will not neces-Street: Inc. and Street: Architect, M. L. BUFFY, Architect, London, Ont.

HOTICE TO CONTRACTORS.

Tenders addressed to the Town Clerk, Petro-lea, for the construction of a Trunk Sewer, will be received up to

MONDAY, FEBRUARY 2nd, 1891.

Plans and specifications can be seen at the Clerk's office on and after this date. The lowest or any tender not necessarily ac-

J. E. BOOSEY, Chairman Board of Works.

Petrolea, Dec. 22, 1890.

CITY PUBLIC SCHOOLS

TO BUILDERS AND CONTRACTORS.

TENDERS

Whole or separate, are requested for the several trades required in the erection of a

NEW SCHOOL BUILDING

in rear of the Orphans' Home, Dovercourt Road, Toronto.

Plans and specifications may be seen on and after Friday, January 2, 1831, and all information obtained at the office of C. H. Bishop, Superintendent of School at the office Buildings.

Buildings.

Tenders on forms supplied by the Superintendent of Buildings to be delivered at the office of the Secretary Treasurer of the Public School Board on or before MONDAY NOON, JANUARY 12, 4891.

Each tender must be accompanied by an accepted bank cheque for 5 pei cent. of the amount of tender, as per regulations of the Board. The lowest or any tender will not necessarily be accepted.

JAMES KERR, Chairman Committee. W. C. WILKINSON, Sec.-Treas. T. P. S. B.



Notice to Contractors.

TENDERS FOR TAMARAG PLANK.

Tenders will be received by registered post, addressed to the City Engineer, Toronto, up to noon of TUESDAY, JANUARY 20, 1891, for the supply of

100,000 FEET B. M. 4-INCH TAMARAC PLANK.

8 to 14 inches wide and any lengths, sound and

8 to 14 inches wide and any lengths, sound and free from shakes and vane.

Forms of tender obtained on and after December 26, 1890, at the City Engineer's office.

A deposit in the form of a marked cheque, payable to the order of the City Treasurer, for the sum of 5 per cent, on the value of the work tendered for under \$1,000, and 2½ per cent, over that amount, must accompany each and every tender, otherwise it will not be entertained. All tenders must bear the bona fide signatures of the contractor and his sureties (see specifications), or they will be ruled out as informal.

The Committee do not bind themselves to accept the lowest or any tender.

JOHN SHAW, Chairman Committee on Works.

Committee Room, Toronto, Dec. 22, 1890.

TO PREVENT DAMP SCHOOL HOUSES.

While giving the opinions of so many scientific writers on the subject of schools and their construction, the matter of the prevention of dampness must not be overlooked. From a hygienic point of view nothing is more important than to have

dry cellars or basements in a school building, more especially in cities, where they are often used as recreation rooms in wet weather. In the construction of school houses a damp course should never be omitted when there is the slightest chance of dampness arising from below the foundation. Cases have been known where, by capillary attraction, dampness has risen through the walls twenty feet from the foundation. Damp courses can be of asphalt, slate or coal tar. In the latter case, it is advisable to lay a course of single brick through the wall, laying the coal tar over it, so allowing a bond to prevent the possibility of the superstructure from sliding. The damp course should project beyond the wall on the inside to join with the material used to preyent dampness in the cellar. For the cellar floor, three-quarters to one inch of rock asphalt, laid on three to four inches of hydraulic cement concrete, is preferable, as it affords a positive protection against the permeation of any noxious gases through the floor, prevents the entrance of vermin, and never disintegrating, causes no dust. It is easily cleaned and should be hosed off every day. As the schools are so generally heated by furnaces in the cellar, it can be readily understood that any damp or gas-laden air in the basement would be liable to be carried up into the various school-rooms. In some cities and towns rock asphalt may be considered too expensive a material to be used. In such cases two inches of hydraulic cement concrete can be laid: then a coat of hot coal tar, connected with the damp course in the wall, and the cellar can then be finished with two or three inches of Portland cement concrete, smoothed off and carefully graded to traps. Walls coming into contact with earth on the outside should always be coated with asphalt or coal tar. The use of asphalt in building is becoming more general. In a late issue of Le Genie Civil it is stated that the walls of Nineveh, the ancient capital of Assyria, were built with a mor-tar of asphalt, and Diodorus Siculus, a contemporary of Cæsar and Angustus, describes the construction in the following language: "In order to bind the bricks they were covered with a layer of asphalt instead of simple tempered clay, and were arranged in courses, and between each thirtieth course a bed of reed canes was introduced." The custom of coating the external and internal will of the ground floor of houses existed in ancient Egypt.

-Architecture and Building.

CONTRACTS OPEN.

ST. THOMAS, ONT.—The Presbyterians will erect a new church on Alma street shortly.

SARNIA, ONT.—A movement for the erection of a House of Refuge for this county is progressing.

MORDEN, MAN.—The Hudson's Bay Co. contemplate erecting a substantial brick store building in the spring.

VICTORIA, B.C.—A by-law is before the Council for the expenditure of \$5,000 towards the construction of a drill shed.

EXTRER, ONT,—Mr. J. W. Broderick has purchased Mr. Jas. Nickard's large residence and intends to re-model the same.

SHERBROOKE, QUE.—The Paton Co. will probably spend about \$50,000 in the erection of additional buildings and purchase of new machinery.

ST. JOHN'S, N. B.—Messrs. Kichen & Son of New York have undertaken to complete 14 miles of Tobique Valley Railway in this province in the spring.

New Westminster, B. C.—A company is being formed for the reclamation of a tract of submerged prairie land about 30 miles from Vancouver.

PORT ARTHUR, ONT.—It is proposed to raise \$75,000 for the purpose of constructing an electric street railway between this place and Fort William.

KINGSTON, ONT.—The City Council is in correspondence with Mr. Geo. Unser of Toronto regarding the erection of a carpet factory estimated to cost \$30,000.

MONTREAL, QUE.—The St. Jean Baptiste Society, have at their disposal the sum of \$140,000 for the erection of a monument. Tenders for the work will be asked for early in the spring.

PORT DOVER, ONT.—Mr. Thos. Hyland of this place has had drawings prepared from which to erect a large hotel on the lake shore, the estimated cost of which is \$70,000. Construction will commence shortly.

OWEN SOUND, ONT.—The G.T.R. Co. have offered to construct the road to connect this town with the Stratford and Lake Huron branch on condition that the town grants a bonus of \$70,000.

—Tenders are asked for the erection of a Separate, School next summer on St. Mary's Hill.

HALIFAX, N. S.—At a meeting of the Board of Works, held November 17, it was decided to engage an expert engineer to examine the water supply, with a view of making such improvements as may be necessary to improve and increase the supply. E. H. Keating, City Engineer, can furnish details.

VANCOUVER, B. C.—The City Engineer has been instructed to get quotations for 660 feet of 8 inch vitrified sewer pipe and 8 x 4 Y.S.—Subscriptions are being solicited and liberally given towards the construction of a Temperance Hall.

—The Board of Trade will recommend the Council to erect an Agricultural Hall.

Winnipeg, Man.—The design of Mr. Hooper of this city for a monument to the late Hon. Mr. John Norquay has been accepted. The monument will cost \$2,000. A memorial tablet is also to be placed in the church at St. Andrews.—The sum of half a million has been subscribed for a beet sugar factory, and the Government is being asked to sanction the erection of a distillery in connection with the enterprise.

TORONTO, ONT.—Application has been made to Parliament to incorporate the Toronto Railway Viaduct and Tunnel Co, with power to construct an elevated railway viaduct of tunnel along the Esplanade from some point near Mimico exiterly to the townships of York or Scriboro.—The following building permits have been granted: S. McIntosh, one pair 2-storey and actic bk. dwellings, Wood near Church st., cost \$5.300; James, Taylor, one pair, 2-storey bk. dwellings, Wyatt, avenue, cost \$2,400.

CONTRACTS AWARDED

KINGSTON, ONT.—Mr. Geo. Wilson, of Gananoque, has been, given the contract for the enlargement of St. George's, Cathodral.

WALKERTON, CNT.—The contract for the construction of the water-works system has been given to Mr. Miles Hunting, Hamilton. The contract price is \$18,000.

MONTREAL, QUE.—The proprietors of Sohmer Park have contracted with the Dominion Bridge Co. for a new pavilion with steel supports, 120 feet by 175 feet, and 60 feet high.

OTTAWA, ONT.—Messrs. D. O'Brien & Sons of Montreal, and Poupore Bros. of Ottawa, who are respectively the dowest tenderers for erecting and 3 of the Rapide Plat Canal enlargement works, have entered into partnership, and will carry out both contracts with the one, s'aff.

PRESERVATION OF METALLIC SURFACES.

One of the greatest difficulties in the way of protecting iron surfaces by means of paint is the difficulty of producing a firm adhesion between the paint and the metal. When applied to surfaces that have been polished, the difficulty is not so great; though, even in this case, anything that will cause a more perfect adhesion is to be welcomed. It is when paint is applied to the rough surfaces of iron castings, and especially to those that have been scaled by the action of vitriol, that the difficulty of producing a perfect and permanent adhesion is found. In order to secure the best results, iron that has been vitrioled ought to be well washed and carefully dried before the paint is, applied. If the articles are small and will bear the application of a strong heat, they should be heated until oil applied to them smokes. They may then be brushed over with a thin coating of boiled linseed oil; and, when this has become thoroughly if dry, they may be painted. When the articles are too large, or when, from other reasons, it is impossible or inconvenient to heat them, the oil may be warmed before it is applied. A thin coat of hot oil will penetrate every pore, displace all adhering dampness, and stick to the metal so closely that no exposure to air or moisture will ever cause it to separate. To such an oiled surface paint adheres well; and when this process is adopted, we never find the paint falling off in large flakes, owing to moisture having crept into some crack and gradually produced a thin layer of rust between the paint and the metal. These remarks of course apply to metal that is exposed to the open air, and subjected to the action of frost, moisture and air. It is easy enough to protect metals that are kept within doors, in a dry place, and consequently need no protection: but iron exposed to the elements is a different affair. And here we may perhaps be allowed to remark thatthese directions in regard to hot oil apply to wood quite as well as they do to metal. A, coat of oil applied hot, and allowed, tobecome thoroughly dry, is a powerfulpreservative, and makes an excellent groundwork tor a subsequent coat, of,

paint. - American, Artisan.

STONE WALLING.

Of whatever quality the stone may be of which a wall is to be built, it should consist of stone and as little of mortar as possible. If it be interior in durability and power of resisting the action of the atmosphere, &c., to the mortar, besides the certain fact that the mortar will yield until it has set hard, and so far act injuriously, no ulterior good is gained; and if the stone be the more durable material the more of it that enters into the wall the better: Indeed, in rough walling, if the stones be pressed together until the more prominent angles on their faces come into actual contact, the interstices being occupied by mortar, it will be better than if a thick yielding mass were allowed to remain between them. Absolute contact, however, should not be permitted any more than in brickwork, lest the shrinking of the mortar in drying leave the stones to such unequal bearings as the prominent parts alone would afford. Stone being generally of a less absorbent nature than brick, it is not a matter of so much importance that it be wetted before setting. Nevertheless, adhesion on the part of the mortar is more certain and more complete if the stones be worked in, in at least a damp state. Bond is of no less importance in stone walling than in bricklaying. Instead of carefully making the joints recur one over the other in alternate courses, as with bricks and gauged stones, the joints should as carefully be made to lock, so as to give the strength of two or three courses or layers between a joint in one course and one that may occur vertically over it in another. In bonding through a wall or transversely, it is much better that many stones, should reach two-thirds across, alternately from the opposite side, than that there should be a few through stones, or stones extending the whole thickness of the wall. Indeed, one of the many faults of stonemasons is that of making a wall consist of two scales or thin sides with through stones now and then laid across to bind them together, the core being made of mortar and small rubble merely. This is a mode of structure that should be carefully guarded There is no better test of a workman's tact and judgment in rubble walling than the building of a dry wall, or a wall without mortar, affords. Walls are frequently built with mortar that without it would have fallen down under their own weight in a height of 6 feet, in consequence of their defective construction, thus rendering it evident that they are only held-together by the tenacity-of-the mortar, which is very seldom an equivalent for a proper bond of stone. Masons are-very aptito set thin broad; stones on their narrow edges to show a good face, by which the wall is injured in two ways. It tends to the formation of a merer case on the surface of a wall, and it for the most part exposes the bed of the stone to the atmosphere, as a stone is more likely to be broad in the direction of its bed than across it.

A NEW SYSTEM OF TESTING CEMENT.

Prof. T. Hudson Beare, of the Liverpool University College, has contributed to the Builder an account of some experiments with Mr. Arnold's, method of gauging cement for testing, the object of which is to eliminate some of the errors incidental to the ordinary method of gauging test briquettes by hand. In this new system the molds are of the ordinary form and cross-section; but for briquettes, which when finished, are to measure an inch in thickness, they are 2 inches deep. The molds are placed on a stout, flat tray, with a shallow rim all around it, and are then filled with dry cement; a measured quantity (0.3 pound) being placed in each. A brass die of the exact shape and size of a finished briquette is then placed on top of the cement in each mold, compressing the contents. This compression is completed under a small hand screw press, which so compacts the dry powder that it only occupies half the mold; the die being

then flush with the top of the mold. The result of this part of the process is the formation of an exceedingly closely compacted briquette of dry cement exactly an inch thick. Water is then poured into the tray, and is taken · up · by · the · briquettes by capillary attraction, which goes on for 20 minutes, The molds are removed from the tray and placed on a table, die downwards, to set The. for 24 hours. after-procedure is precisely the same as with ordinary . cement . testing. At the end of the 24 hours the briquettes

are removed from the molds and placed in water, where they remain for their appointed time before being broken. Professor Beare found all the briquettes exceedingly compact and close-grained. Owing to the quantity of cement in each being about 15 per cent., in excess of that in ordinary test pieces, the strength was uniformly higher. It was shown, however, that the tests possessed remarkable uniformity-much more, indeed, than a clever manipulator could be expected to obtain by hand gauging. If, therefore, some such system were adopted, Professor Beare thinks one element of uncertainty, due to the personality of the gauger, might be climinated.

TO MAKE FIREPROOF PAINT.

Twenty parts of finely pulverized glass, twenty parts of finely pulverized porcelain, twenty parts of any sort of stone in powder, ten parts of calcined lime, and thirty parts of water-glass (silicate of soda), such as is usually found in commerce. The solid elements having been powdered as finely

as possible and sifted, are moistened and then intimately mixed with the waterglass. This yields a mass of syrupy consistence that may be employed for painting, either alone or mixed with color. The addition of the lime gives a certain unctuosity to the mass for whitewashing, and its combination with the silicic acid of the soluble glass serves to bind the other materials together. The proportion of the different elements above mentioned may be changed save that of the waterglass, which must remain constant. These elements may even be replaced one by another; but it is always well to preserve the lime. Instead of silicate of soda (sol-uble glass of soda), soluble glass of potash might be usen; but the former is less ex-pensive. The coating is applied with a brush, as other paints are, as uniformly as possible over the surface to be protect-The first coat hardens immediately, and a second one may be applied six hours or more afterwards. Two coats are suf-ficient. This paint may likewise be employed as a preservative against rust, and used as a coating for iron bridges, etc.

1424 Notes Dame Street

Montheal. October 14 1690

6. H. Mortimer sag.
Rubosanadian architect & Duildee.
Dear Sie.

I have to inform you, that, the following sesolution was unanimously adopted, at the Prist annual meeting of the Province of Ruchee associations of architecto hald in Montheal on 10-4 11 inst:

Moved by the Architecto of the Province of Luche now assimpted in constended by:

1. Avrault.

In Avrault.

Stendish:

Lanadian Contract Record afford we a direct communication with the contractor. Resolved: That we pleage our support to it by using its columns when calling for tending for the forms.

Prices of Building Materials.

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Stone. Common Rubble, Per Toise, delivered Large.flat "Foundation Blocks, "Cubic Foot. State: Roofing (\$\pi\$ square). "red." "unlading green. "black slate. Terra Cotta Tile, per sq. Ornamental Black State Roofing. Nand: Per Load of 1½ Cubic Yards. Per Load of 1½ Cubic Yards. White lead, Can. "cinc, Can. "vernetian. "vermillion. "Indian, Eng. Yellow ochre. Yellow chrome. Green, chrome. "Paris. Black lamp.	16 00 9 00 9 00 7 50 25 0 50 8 00 1 5 6 25 6 50 6 37 50 1 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 50 1 7 7 18 2 7 40 1 5 20 1 7 18	
Stone. Common Rubble, Per Toise, delivered Large.flat "Foundation Blocks, "Cubic Foot. State: Roofing (\$\pi\$ square). "red." "unlading green. "black slate. Terra Cotta Tile, per sq. Ornamental Black State Roofing. Nand: Per Load of 1½ Cubic Yards. Per Load of 1½ Cubic Yards. White lead, Can. "cinc, Can. "vernetian. "vermillion. "Indian, Eng. Yellow ochre. Yellow chrome. Green, chrome. "Paris. Black lamp.	16 00 9 00 9 00 7 50 25 0 50 8 00 1 5 6 25 6 50 6 3 7 50 5 16 0 175 90 1 00 12 5 10 15 20 17 18 25 40 15 27 16 27 17 26 40 17 18 27 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	
Stone. Common Rubble, Per Toise, delivered Large.flat. Foundation Block. Foundation Block State Roofing. Foundation Block. Foundation Bl	16 00 9 00 9 00 7 50 8 00 8 00 1 5 6 25 6 50 6 5/4 6 50 1 60 1 75 90 1 0 12 5 10 15 20 7 12 25 40 15 27 77 28	
Stone. Common Rubble, Per Toise, delivered Large.flat. Foundation Block. Foundation Block State Roofing. Foundation Block. Foundation Bl	16 00 9 00 9 00 7 50 8 00 1 5 6 25 6 50 6 27 7 50 1 50 1 50 1 50 1 50 1 50 1 7 12 5 10 1 5 20 7 12 5 10 1 5 20 7 12 2 5 20 7 12 2 5 20 7 12 2 5 20 7 12 2 5 20 7 12 2 5 20 7 12 2 5 20 7 12 2 5 20 7 12 7 12 7 12 7 12 7 12 7 12 7 12 7 12	
Stone. Common Rubble, Per Toise, delivered Large.flat. Foundation Block, "Cubic Foot. State: Roofing (\$\fo\$ square). "purple. "unlading green. "black slate. Terra Cotta Tile, per \$40. Ornamental Black Slate Roofing. Sand: Per Load of \$\fo\$ Cubic Yards. PAINTS. (In oil, \$\fo\$ lb.) White lead, Can. Red lead, Eng. "venetian. "vermillion. "Indian, Eng. Yellow chrome. Green, chrome. "Paris. Black, lamp. Blue, ultramarine. Oil, linseed, raw (\$\fo\$ Imp. gallon). "boiled refined, Putty. Whiting, dry. Paris white Eng., dry. Litharge, Am.	16 00 9 00 7 50 8 00 1 5 6 25 6 50 6 35 7 6 50 1 60 1 75 90 1 00 15 12 15 20 17 12 25 40 17 12 26 27 7 12 27 7 12 28 29 24 24 24 24 27 75 1 00 00 1 2 2 3	
Common Rubble, Per Toise, delivered Large flat "Foundation Blocks, "Cubic Foot. State: Roofing (\$\forall \text{square}\$). "purple "unlading green." "purple "unlading green." "black slate. Terra Cotta Tile, per 30. Ornamental Black Slate Roofing. Nand: Per Load of 1½ Cubic Yards. PAINTS. (In oil, \$\forall lb.) White lead, Can. "zinc, Can. Red lead, Eng. "vernetian. "vernetian. "vernetian. "vernetian. "vernilon. "Indian, Eng. Yellow ochre. Yellow ochre. Green, 'chrome. Green, 'chrome. Green, 'chrome. "Paris whete fined, Putty. Whiting, dry. Paris white Eng., dry. Litharge, Am., Sienna, burnt. Umber, "	16 00 9 00 7 50 8 00 1 5 6 25 6 50 6 35 7 6 50 1 60 1 75 90 1 00 15 12 15 20 17 12 25 40 17 12 26 27 7 12 27 7 12 28 29 24 24 24 24 27 75 1 00 00 1 2 2 3	
Common Rubble, Per Toise, delivered Large flat "Foundation Blocks, "Cubic Foot. State: Roofing (\$\forall \text{square}\$). "purple "unlading green." "purple "unlading green." "black slate. Terra Cotta Tile, per 30. Ornamental Black Slate Roofing. Nand: Per Load of 1½ Cubic Yards. PAINTS. (In oil, \$\forall lb.) White lead, Can. "zinc, Can. Red lead, Eng. "vernetian. "vernetian. "vernetian. "vernetian. "vernilon. "Indian, Eng. Yellow ochre. Yellow ochre. Green, 'chrome. Green, 'chrome. Green, 'chrome. "Paris whete fined, Putty. Whiting, dry. Paris white Eng., dry. Litharge, Am., Sienna, burnt. Umber, "	16 00 9 00 9 00 7 50 8 co 1 5 6 25 6 55 7 50 1 0 175 90 10 12 15 10 15 20 17 12 17 1	
Stone. Common Rubble, Per Toise, delivered Large flat. Foundation Block, Cubic Foot. State: Roofing (V square). " red. " purple. " unlading green. " black slate. Terra Cotta Tile, per sq. Ornamental Black Slate Roofing. Nand: Per Load of 1½ Cubic Yards. PAINTS. (In oil, V lb.) White lead, Can. Red lead, Eng. " venetian. " vernillion. " Indian, Eng. Vellow ochre. Yellow chrome. Green, chrome. " Paris. Black, lamp. Blue, ultramarine. Oil, linseed, raw (& Imp. gallon). " boiled refined, Putty. Whiting, dry. Paris white Eng., dry. Litharge, Am., Sienna, burnt. Umber, " CEMENT, LIME, etc. Lime, Per Barrel of 2 bushels, Grey. " Plaster, Calcined, New Brunswick.	16 00 9 00 7 50 8 00 1 5 6 25 6 50 6 35 7 6 50 1 60 1 75 90 1 00 15 12 15 20 17 12 25 40 17 12 26 27 7 12 27 7 12 28 29 24 24 24 24 27 75 1 00 00 1 2 2 3	
Stone. Common Rubble, Per Toise, delivered Large flat. Foundation Block, Cubic Foot. State: Roofing (V square). " red. " purple. " unlading green. " black slate. Terra Cotta Tile, per sq. Ornamental Black Slate Roofing. Nand: Per Load of 1½ Cubic Yards. PAINTS. (In oil, V lb.) White lead, Can. Red lead, Eng. " venetian. " vernillion. " Indian, Eng. Vellow ochre. Yellow chrome. Green, chrome. " Paris. Black, lamp. Blue, ultramarine. Oil, linseed, raw (& Imp. gallon). " boiled refined, Putty. Whiting, dry. Paris white Eng., dry. Litharge, Am., Sienna, burnt. Umber, " CEMENT, LIME, etc. Lime, Per Barrel of 2 bushels, Grey. " Plaster, Calcined, New Brunswick.	16 00 9 00 9 00 7 50 8 co 1 5 6 25 6 56 1 7 50 1 7 50 1 7 50 1 7 12 5 10 1 5 10	
Stone. Common Rubble, Per Toise, delivered Large.flat. Common Rubble, Per Toise, delivered Large.flat. Slate: Roofing (\$\vert square\$). " purple. " purple. " black slate. Terra Cotta Tile, per \$40. Ornamental Black Slate Roofing. Namd: Per Load of 1½ Cubic Yards. PAINTS. (In oil, \$\vert lb.) White lead, Can. " sine, Can. Red lead, Eng. " venetian. " vernillion. " Indian, Eng. Yellow cohre. Yellow cohre. Green, chrome. Green, chrome. Green, chrome. Green, chrome. Green, chrome. Oil, linteed, raw (\$\vert lmp. gallow). Whiting, dry. Paris white Eng., dry. Litharge, Am., Sienna, burnt. Umber, " OEMENT. LIME, etc. Lime, Per Barrel of 2 bushels, Grey. " Whiting, In Nova Souis. Hair, Plasterers, per bassouis. Hair, Plasterers, per bassouis.	16 00 9 00 9 00 7 50 8 00 1 5 6 25 6 55 7 6 55 1 50 1 7 5 1 5 10	
Stone. Common Rubble, Per Toise, delivered Large.flat. Common Rubble, Per Toise, delivered Large.flat. " Cubic Foot. Slate: Roofing (\$\fo\$ square). " purple. " unlading green. " black slate. Terra Cotta Tile, per \$40. Ornamental Black Slate Roofing. Namd: Per Load of 1½ Cubic Yards. Per Load of 1½ Cubic Yards. PAINTS. (In oil, \$\fo\$ lb.) White lead, Can. " sine, Can. Red lead, Eng. " venetian. " vernillion. " Indian, Eng. Yellow chre. Yellow chre. " Paris. Black, lamp. Black, lamp. Blue, ultramarine. Oil, linteed, raw (\$\fo\$ lmp. gallow). " refined, Putty. Whiting, dry. Paris white Eng., dry. Litharge, Am., Sienna, burnt. Umber, " OEMENT. LIME, etc. Lime, Per Barrel of 2 bushels, Grey. " White Plaster, Calcined, New Brunswick. " " White Plaster, Calcined, New Brunswick. " Thorold, " " Nova Sootia. " Thorold, " " Napanee, "	16 00 9 00 9 00 7 50 8 00 1 5 50 6 25 6 55 7 50 5 5 6 5 7 50 1 5 10 1 5	
Stone. Common Rubble, Per Toise, delivered Large flat. Foundation Block, "Cubic Foot. State: Roofing (** square*). "red." "purple." "unlading green "black slate. Terra Cotta Tile, per sq. Omamental Black Slate Roofing. Nand: Per Load of 1½ Cubic Yards. PAINTS. (In oil, * lb.) White lead, Can. Red lead, Can. "zinc, Can. Red lead, Eng "venetian "loadian, Eng. Yellow ochre Yellow chrome. Green, chrome "Paris. Black, lamp. Blue, ultramarine. Oil, linesed, raw (** lmp. gallon) "inched, raw (** lmp. gallon) "whiting, dry. Paris white Eng., dry. Litharge, Am. Umber, "CEMENT. LIME, etc. Lime, Per Barrel of 2 bushels, Grey "Hair, Plasterers, per bag. Cement, Portland, per bbl "Rapanee, " "Rapanee, " "HARDWARE.	16 00 9 00 7 50 8 00 1 5 6 25 6 50 6 25 7 50 1 50 1 50 1 5 1 5 2 1 7 2 1 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Stone. Common Rubble, Per Toise, delivered Large.flat. Common Rubble, W. Cubic Foot. State: Roofing (\$\fo\$ square). " purple. " purple. " untading green. " black slate. Terra Cotta Tile, per \$40. Ornamental Black Slate Roofing. Sand: Per Load of 1½ Cubic Vards. PAINTS. (In oil, \$\fo\$ lb.) White lead, Can. " zinc, Can. Red lead, Eng. " venetian. " vernilion. " Indian, Eng. Vellow chrome. Green, chrome. Green, chrome. Green, chrome. Oil, linseed, raw (\$\fo\$ lmp. gallon). " boiled " " refined, Putty. Whiting, dry. Paris white Eng., dry Litharge, Am., Sienna, burnt. Umber, OEMENT, LIME, etc. Lime, Per Barrel of 2 bushels, Grey. " White Plaster, Calcined, New Brunswick. " " Thorold, " Queenston, " Rapanee, " Hull, " HARDWARE. Cut Nails:	18 00 16 00 9 00 7 50 8 00 8 00 1 5 05 6 25 6 50 6 25 7 50 1 50 1 12 2 12 3 10	
Stone. Common Rubble, Per Toise, delivered Large.flat. Common Rubble, W. Cubic Foot. State: Roofing (\$\fo\$ square). " purple. " purple. " untading green. " black slate. Terra Cotta Tile, per \$40. Ornamental Black Slate Roofing. Sand: Per Load of 1½ Cubic Vards. PAINTS. (In oil, \$\fo\$ lb.) White lead, Can. " zinc, Can. Red lead, Eng. " venetian. " vernilion. " Indian, Eng. Vellow chrome. Green, chrome. Green, chrome. Green, chrome. Oil, linseed, raw (\$\fo\$ lmp. gallon). " boiled " " refined, Putty. Whiting, dry. Paris white Eng., dry Litharge, Am., Sienna, burnt. Umber, OEMENT, LIME, etc. Lime, Per Barrel of 2 bushels, Grey. " White Plaster, Calcined, New Brunswick. " " Thorold, " Queenston, " Rapanee, " Hull, " HARDWARE. Cut Nails:	16 00 9 00 9 00 7 50 8 co 1 5 6 25 6 56 7 50 10 12 5 10 15 20 17 23 68 70 77 18 80 23 24 24 25 80 12 25 80 12 25 80 12 25 80 12 80 1	
Stone. Common Rubble, Per Toise, delivered Large.flat. Common Rubble, W. Cubic Foot. State: Roofing (\$\fo\$ square). " purple. " purple. " untading green. " black slate. Terra Cotta Tile, per \$40. Ornamental Black Slate Roofing. Sand: Per Load of 1½ Cubic Vards. PAINTS. (In oil, \$\fo\$ lb.) White lead, Can. " zinc, Can. Red lead, Eng. " venetian. " vernilion. " Indian, Eng. Vellow chrome. Green, chrome. Green, chrome. Green, chrome. Oil, linseed, raw (\$\fo\$ lmp. gallon). " boiled " " refined, Putty. Whiting, dry. Paris white Eng., dry Litharge, Am., Sienna, burnt. Umber, OEMENT, LIME, etc. Lime, Per Barrel of 2 bushels, Grey. " White Plaster, Calcined, New Brunswick. " " Thorold, " Queenston, " Rapanee, " Hull, " HARDWARE. Cut Nails:	16 00 9 00 9 00 7 50 8 00 8 00 1 5 6 25 6 50 6 37 7 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1	
Stone. Common Rubble, Per Toise, delivered Large.flat. Common Rubble, Per Toise, delivered Large.flat. """ """ """ """ """ """ """	16 00 9 00 7 500 8 00 7 500 8 00 10 11 5 6 25 6 50 10 17 5 90 10 12 15 20 15 20 16 25 70 7 18 24 28 24 28 26 3 00 2 00 2 00 2 00 2 00 2 00 2 00 2 00	
Common Rubble, Per Toise, delivered Large flat "Foundation Block, "Cubic Foot. State: Roofing (# square). "red." purple "unlading green. "black slate. Terra Cotta Tile, per \$4. Ornamental Black Slate Roofing. Nand: Per Load of 1½ Cubic Yards. PAINTS. (In oil, # lb.) White lead, Can. Red lead, Eng. "venetian. "inc, Can. Red lead, Eng. "venetian. "vermillion. "Indian, Eng. Yellow ochre. "Yellow chrome. Green, chrome. "Paris. Black, lamp. Blue, ultramarine. Oil, linseed, raw (# Imp. gallow). "boiled refined, Putty. Whiting, dry. Paris white Eng., dry. Litharge, Am., Sienna, burnt. Umber, "Chamber, Calcined, New Brunswick." "Nova Scotia. "Hair, Plasterers', per bag. Cement, Portland, per bbl. "Nova Scotia. "Hair, Plasterers', per bag. Cement, Portland, per bbl. "Thorold, "Queenston, "Napanee, "Hull, " Whating, dry. Paris in the fact of the Brunswick." "Nova Scotia. "Hair, Plasterers', per bag. Cement, Portland, per bbl. "Thorold, "Queenston, "Napanee, "Hull, " Whath, per keg. "" "You'ld inch, per keg. "" "Yo	16 00 9 00 9 00 7 50 8 00 1 5 6 25 6 56 7 50 1 5 1 5 1 5 1 5 1 5 1 7 2 1 5 1 1 5 2 1 7 2 1 5 2 1 7 3 1 6 3 1 7 3 1 8 3 1 7 3 1 8 3 1 7 5 1 1 0 3 1 1 1	
Common Rubble, Per Toise, delivered Large flat Foundation Block, Cubic Foot. State: Roofing (V square). " red. " purple. " unlading green. " black slate. Terra Cotta Tile, per sq. Omamental Black Slate Roofing. Nand: Per Load of 1½ Cubic Vards. PAINTS. (In oil, V lb.) White lead, Can. Red lead, Eng. " venetian. " vernilion. " Indian, Eng. Vellow ochre. Yellow ochre. Yellow chrome. Green, chrome. " Paris. Black, lamp. Blue, ultramarine. Oil, linseed, raw (& Imp. gullow). " boiled refined, Putty. Whiting, dry. Paris white Eng., dry. Litharge, Am. Sienna, burnt. Umber, CEMENT, LIME, etc. Lime, Per Barrel of 2 bushels, Grey. " White, Plaster, Calcined, New Brunswick. " Nova Scotia. Hair, Plasterers, per bag. Cement, Portland, per bbl. " Thorold, " Queenstoo, " Rapanee, " " Hull, " Cut Nails: American Pattern, 1½ inch, per keg. " 1½ to 1½ inch, per keg. " 1½ to 1½ inch, per keg. " 1½ to 2½ inch, " " 1½ to 1½ inch, per keg. " 1½ inch, per keg.	16 00 9 00 9 00 7 500 8 00 1 5 5 6 25 6 7 50 1 5 10	
Stone. Common Rubble, Per Toise, delivered Large.flat. Common Rubble, Per Toise, delivered Large.flat. """ """ """ """ """ """ """	16 00 9 00 9 00 7 50 8 00 1 5 6 25 6 56 7 50 1 5 1 5 1 5 1 5 1 5 1 7 2 1 5 1 1 5 2 1 7 2 1 5 2 1 7 3 1 6 3 1 7 3 1 8 3 1 7 3 1 8 3 1 7 5 1 1 0 3 1 1 1	

Montreal Prices.	BUILDERS' SUPPLIES.		Montan Colors:	+
Lumber, Eld. Ash, x 10 4 in , M \$13 00@18 00	Adamant Mfg. Co	, vi I	Vokes, M. & J. L	'14I
Birth, 1 to 4 inch, M	Morrison & Co., T. A	iv iv	Raker, I. D.	į IĮ,
Walnut, per,M	McNally & Co	viii	Hynes Terra Cotta & Brick Co Littleford & Thorne.	VÍ
Cedar, flat	•••	· ?] 41	Whotter, Henry R	
Elm. Rock 25 00 30 00	CHURCH AND SCHOOL FURNITURE.	***	Wright, Jas	",
Maple, hard, M		IV vil	Dill & O'Hearn	Ill
Oak, M	Office Specialty Co	40 X	Dunham, Frank T. Gilmor & Casey	
Pine, 2nd quality, M	CHIMNEY TOPPING.	•	Hatch, W. J	
Mill Culls	Hansen, Handd M	ix	Taylor, W. J.	ţïï
Spruce, 1 to 2 inch, M 10 00 12 00	Adamant Mfg. Co	vi	PAINTS, VARNISHES, &C.	***
Spruce, 1 to 2 inch, M 10 00 12 00 Spruce Culls 4 50 6 00 Shingles, 1st quality 2 00 3 00 and 1 25 1 50		viii fy	Cottingham, Walter H	IV:
Campal, ac.	McRae & Co	iv iv	PAVING.	
Portland Cement, per barrel	Rathbun Co	vi ,	Excelsior Pavement Co	vili Vili
Cut Nails:	Vokes, M. & J. L	iv 41	Gardner & Co., A	IV
Hot-cut Am. or Can. pattern, 3 inch and above 2 75 \$2 85	Wright & Sons, C. B v	viii	Dayton, William H	П
Hot-cut'Am, or Can, pattern, 21/2 inch	CONSULTING ENGINEER. Barry, A. B	44	Fox, R. B. Hynes, W. J.	H
Hot.Cut Am. or Can. pattern, 21/2 and	CONTRACTORS AND BUILDERS.		Little ord & Thorne	H
Am. pattern, 14 and 15 inch hot-cut 3 50 5 60 14 inch 425 5 80 Can. Pattern, cold-cut, 14 and 14 inch 3 23 4 45 13 inch 3 73 5 95 Finishing Nails, per 100 lb. keg, 14		II II	Magill, E. T	II II
Can. Pattern, cold-cut, 1 and 1 inch 3 25 4 45	Davis, H	II II	PLATE GLASS.	111
Finishing Nails, per 100 lb. keg, 134 Finishing Nails, per 100 lb. keg 134 75 cents	Dearing, Geo	II	Lyon, N. T. McCausland & Son	Ų
to 13/ inch		11	Toronto Plate Glass Importing Co	χi
Figishing Nails, per 100 lb. keg, 2 inch Nails.		II. II	PLUMBERS. Bennett & Wright	141
Paints, etc.	Humphrey, T. R	II	PLUMBING SUPPLIES.	•
White Lead, pure, 25 to 100 lb. kegs. 6 50 7 00		X II	Booth & Son	ii V
No. 2 4 5C 5 00	Mortimore, Geo. T	II Ii	Malcolm, W. B	_
No. 3	Pudifin, Win	11	St. Johns Stone Chinaware Co	xi
Yellow Ochre, French	Stevens, Chas. H	II II	ROOFING MATERIALS. Canada Galvanizing & Steel Roofing Co	141
Whiting, London, washed 0 50 0 65 " Paris, " 15 125	Thomas & Howell	II II	Merchant & Co	143
Länseed, raw 0 63 0 55 0 66 0 58	Webb, John E	11	Roofers.	•
Olive, pure		II III	Duthie & Sons, G	11
" extra, qt., per case 3 00 3 25 10 250 2 60	Isaac Brothers	111	Forbes, Duncan]]]]
" extra, qt., per case		II. III	Metallic Roofing Co	y i xii
Spirits turperitimes	_ 3			
والمراسات المرز والمروان فيهر والمناز المراد في برقي بالمراد والمراد	ELECTRIC LIGHTING.		Rennie & Son, R	II.
INDEX TO ADVERTISEMENTS	Anderson & Co., A. T	44 I	Saulter, WmShales, John H	11. 11
INDEX TO ADVERTISEMENTS	Anderson & Co., A. T	i.	Saulter, Wm	II II
IN THE CANADIAN ARCHITECT AND BUILDER. ADAMANT WALL PLASTER. Page	Anderson & Co., A. T	i.	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co.	11 11 11 11
ADAMANT WALL PLASTER. Page Adamant Mfg. Co	Anderson & Co., A. T	1V 1V 1	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H.	II II
ADAMANT WALL PLASTER. Page Adamant Mig. Co	Anderson & Co., A. T. I. Royal Electric Co. I. The Keegans-Milne Co. I. ELEVATORS. Ives & Co., H. R. I. Leach & Turnbull I. Miller Bros. & Toms. ENGRAVERS.	I IV I xi	Saulter, Wm. Shales, John H Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H SANITARY APPLIANCES, Booth & Son.	
IN THE CANADIAN ARCHITECT AND BUILDER. ADAMANT WALL PLASTER. Page Adamant Mfg. Co. II, vi National Association x ARCHITECTS. Directory III	Anderson & Co., A. T. I. Royal Electric Co. I. The Keegans-Milne Co. I. ELEVATORS. Ives & Co., H. R. I. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I.	I IV I xi	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES, Booth & Son. Earl & Co., Edward. Higmun, O.	ix v
ADAMANT WALL PLASTER. Page Adamant Mig. Co	Anderson & Co. A. T. I. Royal Electric Co. I. The Keegans-Milne Co. I. ELEVATORS. Ives & Co. H. R. I. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I. Kramer, W. J. Laidlaw, R. I.	1 42 1V I xi vii	Saulter, Wm. Shales, John H Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H SANITARY APPLIANCES, Booth & Son. Earl & Co., Edward Higmun, O. Ives & Co., H. R	II II II II II II
ADAMANT WALL PLASTER. Page Adamant Mfg. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii	Anderson & Co., A. T. I. Royal Electric Co. I. The Keegans-Milne Co. I. ELEVATORS. Ives & Co., H. R. I. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I. Kramer, W. J.	1 42 IV I xi xi 44 44	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES, Booth & Son. Earl & Co., Edward. Higmun, O.	ix v
IN THE CANADIAN ARCHITECT AND BUILDER. ADAMANT WALL PLASTER. Page Adamant Mfg. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. W. vii Gullet, F. B. vii Hičks. W. Stivens. vii Holbrook & Mollington. vii	Anderson & Co. A. T. I. Royal Electric Co. I. Royal Electric Co. I. The Keegans-Milne Co. I. ELEVATORS. Ives & Co. H. R. I. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I. Kramer, W. J. Laidlaw, R. I. Toronto Engraving Co. I. Wiseman, James I. GALVANIZED IRON WORKS.	I 42 IV I xi vii 44 44 44	Saulter, Wm. Shales, John H. Stewart, W. T The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES, BOOth & SON. Earl & Co., Edward. Higman, O., Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE.	II
IN THE CANADIAN ARCHITECT AND BUILDER. ADAMANT WALL PLASTER. Page Adamant Mfg. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks. W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm. viii	Anderson & Co., A. T. I. Royal Electric Co. I. The Keegans-Milne Co. I. ELEVATORS. Ives & Co., H. R. I. Leach & Turnbull I. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I. Kramer, W. J. Laidlaw, R. I. Toronto Engraving Co I. Wiseman, James I. I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines	IV I xi vii 444 44 44 44 44 44 44 44 44 44 44 44	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES, BOOth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co.	ix v
ADAMANT WALL PLASTER. Page Adamant Mfg. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hičks, W. Stivens. vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. viii Turner Frederic viii	Anderson & Co. A. T. I. Royal Electric Co. I. The Kegrans-Milne Co. I. ELEVATORS. Ives & Co. H. R. I. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I. Kramer, W. J. Laidlaw, R. I. Toronto Engraving Co I. Wiseman, James I. GALVANIZED IRON WORKS. Douglas & Too. Douglas & Haines. Douglas & Co. John.	I 42 IV I xi 44 44 44 44 44 44 44	Saulter, Wm. Shales, John H. Stewart, W. T The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES, Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William.	ik VIV
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turnet Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii	Anderson & Co., A. T. I. Royal Electric Co. I. The Keegans-Milne Co. I. ELEVATORS. Ives & Co., H. R. I. Leach & Turnbull I. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I. Kramer, W. J. Laidlaw, R. I. Toronto Engraving Co I. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Co., John. Hedges & Lankin. Ormsby, A. B.	IV. I xi xi 444 444 444 444 444 444 444 444 4	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES. BOOth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward.	III III III III IX IV iv viii
ADAMANT WALL PLASTER. Page Adamant Mfg. Co. 11, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hičks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turnet Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK.	Anderson & Co., A. T., Royal Electric Co., The Keegans-Milne Co., I. ELEVATORS. Ives & Co., H. R., I. Leach & Turnbull., Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau., I. Kramer, W. J. Laidlaw, R., I. Toronto Engraving Co., Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros., Douglas & Haines., Douglas & Co., John., Hedges & Lankin, Ormsby, A. B. Tucker & Dillon.	IV. I xi 444 444 444 444 444 444 444 444 444	Saulter, Wm. Shales, John H Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co. H SANITARY APPLIANCES, Booth & Son. Earl & Co. Edward. Higman, O. Ives & Co. H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William McRae & Co. Terry, Edward. The Ontario Terra Cotta Piresed Brick & Sewer Pipe Co.	II
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV	Anderson & Co., A. T. I. Royal Electric Co. The Keegans-Milne Co. I. ELEVATORS. Ives & Co., H. R. I. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I. Kramer, W. J. Laidlaw, R. I. Toronto Engraving Co I. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas Bros. Douglas & Haines. Douglas & Co., John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co., Edward.	I 42 IV I xi vii 44 44 44 44 44 44 44 44 44 44 44 44 4	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co. H. SANITARY APPLIANCES. Booth & Son. Earl & Co. Edward. Higman, O. Ives & Co. H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Piressed Brick & Sewer Pipe Co. Vokes, M. & J. L.	II
IN THE CANADIAN ARCHITECT AND BUILDER. ADAMANT WALL PLASTER. Page Adamant Mfg. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hičks. W. Stivens. vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Wagner, Zeidler & Co. 142 Young & Collins. vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. vii Vives & Co. H. R. IV	Anderson & Co. A. T. I. Royal Electric Co. The Keegans-Milne Co. I. ELEVATORS. Ives & Co. H. R. I. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I. Kramer, W. J. Laidlaw, R. I. Toronto Engraving Co I. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Co. John. Hedges & Lankin Ormsby, A. B. Tucker & Dillon GRATES AND TILES. Earl & Co. Edward Holbrook & Mollington. Rice Lewis & Son. I	I	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES. Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William McRae & Co. Terry, Edward. The Ontario Terra Cotta Pirssed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS.	II
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co. H. R. IV Whitfield, John vii	Anderson & Co., A. T. Royal Electric Co., The Keegans-Milne Co., I. ELEVATORS. Ives & Co., H. R. I. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. I. Kramer, W. J. Laidlaw, R. I. Toronto Engraving Co. I. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas Bros. Douglas & Co., John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co., Edward. riolprook & Mollington. Rice Lewis & Son. Scott & Son. Wm.	142 IV I xi 444 444	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES. Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co., McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS.	II II II II IV V Viii V Viiv Viiv
ADAMANT WALL PLASTER. Page Adamant Mfg. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks. W. Stivens. vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co., H. R. IV Whitfield, John. vii ART FURNITURE. Scott & Son, W. viii	Anderson & Co. A. T. I. Royal Electric Co. The Keegans-Milne Co. I. ELEVATORS. Ives & Co. H. R. I. Leach & Turnbull Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I. Kramer, W. J. Laidlaw, R. I. Toronto Engraving Co I. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines I. Douglas & Co. John. Hedges & Lankin Ormsby, A. B. Tucker & Dillon GRATES AND TILES. Earl & Co. Edward Holbrook & Mollington Rice Lewis & Son. I. Scott & Son, Wm. Vokes, M. & J. L. I.	142 1V. I xi 444 444 444 444 v v v v i iii ii ii ii ii ii ii ii ii i	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES. Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel.	II II II II IV V Viii V Viiv Viiv
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co., H. R. IV Whitfield, John vii ART FURNITURE. Scott & Son, W. vii Wright & Co. vii ART FURNITURE. Scott & Son, W. vii Wright & Co. vii ART WOODWORK.	Anderson & Co., A. T. Royal Electric Co., The Keegans-Milne Co., ELEVATORS. Ives & Co., H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau., Kramer, W. J. Laidlaw, R. Toronto Engraving Co., Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Lankin Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co., Edward. Holbrook & Mollington. Rice Lewis & Son., Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R.	142 1V. I xi 444 444 444 444 v v v v i iii ii ii ii ii ii ii ii ii i	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES, Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy; Geo. STAINED AND DECORATIVE GLASS.	III III III III III III III III III II
ADAMANT WALL PLASTER. Page Adamant Mfg. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens. vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co. H. R. IV Whitfield, John vii ART FURNITURE. Scott & Son, W. vii Wright & Co. vii ART WOODWORK. Wagner, Zeidler & Co. 142 Voil	Anderson & Co., A. T. Royal Electric Co., The Keegans-Milne Co., I. ELEVATORS. Ives & Co., H. R., Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. Kramer, W. J. Laidlaw, R. Toronto Engraving Co., Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas Bros. Douglas & Co., John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co., Edward. Holbrook & Möllington. Rice Lewis & Soo., Son., Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne.	IVI IXI 444 444 VVVVVIIIVIIIVIIIV	Saulter, Wm. Shales, John H Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co. H SANITARY APPLIANCES. Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy, Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co.	II
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co. H. R. xii Ives & Co. H. R. xii Ives & Co. H. R. vii Mytifield, John vii ART FURNITURE. Scott & Son, W. vii Wright & Co. vii ART WOODWORK. Wagner, Zeidler & Co. vii ART WOODWORK. Wagner, Zeidler & Co. vii ART WOODWORK.	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co. H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. I Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Co. John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. Holbrook & Mollington. Rice Lewis & Soo. I Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co.	142 1V I I X 144 144 144 144 144 144 144 144 144 144	Saulter, Wm. Shales, John H Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H Sanitary Appliances, Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy; Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co. W. C., Barnes, Son & Gilson.	III III III III III III III III III II
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co. H. R. xii Ives & Co. Xives xii Ives & Co. Xives xii Ives & Co. Xives xiii Ives Xives Xives Xives xiii Ives Xives X	Anderson & Co., A. T. Royal Electric Co., The Keegans-Milne Co., I. ELEVATORS. Ives & Co., H. R., Ives & Co., H. R., I. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau, I. Kramer, W. J. Laidlaw, R., Toronto Engraving Co, I. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas Bros. Douglas & Haines, Douglas & Haines, Douglas & Co., John, Hedges & Lankin, Ormsby, A. B. Tucker & Dillon GRATES AND TILES. Earl & Co., Edward, Holbrook & Mollington Rice Lewis & Soo., Soon, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co., King & Son, Warden	I 42 IVI xi 44 iii 44 44 v v v v iii v ix ii V iii IV iii v ix iii V ix iii V ix iii V ix iii ii V ix iii ii v ix ii ii V ix iii ii v ix iii ii v ix ii ii v ix iii ii v ix ii ii	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co. H. SANITARY APPLIANCES. Booth & Son. Earl & Co. Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy, Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co. W. C. Barnes, Son & Gilson. Elliott & Son. Grimson, G. & J. E.	III III III III III III III III III II
ADAMANT WALL PLASTER. Page Adamant Mig. Co. 11, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co., H. R. IV Whithfield, John. vii Wright & Co. vii Wright & Co. vii ART FURNITURE. Scott & Son, W vii ART FURNITURE. Scott & Son, W vii ART WOODWORK. Wagner, Zeidler & Co. 142 BENT GLASS MANUFACTURERS. Polito, T. viii Price, S. I. viii Builders' Hardware. Aikenhead & Crombie. v	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. I. ELEVATORS. Ives & Co. H. R. I. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau I. Kramer, W. J. Laidlaw, R. I. Toronto Engraving Co I. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas Bros. Douglas & Co. John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. riolbrook & Mollington. Rice Lewis & Soo. Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. Howard Furnace Co. King & Son, Warden. Laidlaw Mig. Co. I McClary Mig. Co.	I 42 IVI x 44 44 44 V V V V X X Y X X Y X Y X Y X Y X X Y X X Y X	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES, Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy; Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co. W. C., Barnes, Son & Gilson. Elliott'& Son. Grimson, G. & J. E. Longhurst & Co., H.	III III III III III III III III III II
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co. H. R. xii Ives & Co. Yi ART WOODWORK. Wright & Co. vii ART WOODWORK. Wagner, Zeidler & Co. 142 Bent GLASS MANUFACTURERS. Polito, T. viii Price, S. I. Silleder & Co. 142 Bent GLASS MANUFACTURERS. Polito, T. viii Bullders' Hardware. Aikenhead & Crombie. v Rice Lewis & Son IV Vokes, M. & J. L. 141	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co. H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James J. GALVANIZED IRON WORKS. Douglas & Haines. Douglas & Haines. Douglas & Co. John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. rfolbrook & Mollington. Rice Lewis & Son. Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. Howard Furnace Co. King & Son, Warden. Laidlaw Mig. Co. Ormsby, A. B. Sellers & Co. C.	142 IV I xi 444 444 v v v v xii v xiii V v v v iii V v v v iii V v v v iii IV v v iiii ii V v v v iii ii V v v v iii ii V v v v v	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co. H. SANITARY APPLIANCES. Booth & Son. Earl & Co. Edward. Higman, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel SLIDING BLINDS. Clatworthy, Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co. W. C. Barnes, Son & Gilson. Elliott & Son. Grimson, G. & J. E. Loghurst & Co., H. Lyon: N. T. McCausland & Son.	III III II I
ADAMANT WALL PLASTER. Page Adamant Mfg. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens. vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co., H. R. IV Whitfield, John vii Art Furntture. Scott & Son, W. vii Wright & Co. vii Art Woodwork. Wagner, Zeidler & Co. 142 Bent Glass Manufacturers. Polito, T. viii BUILDERS' HARDWARE. Aikenhead & Crombie. v Rice Lewis & Son IV Vokes, M. & J. L. 141 BRICKS (PRESSED). Hynes Terta Cotta & Brick Co. vi	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co. H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas Bros. Douglas & Co. John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. riolbrook & Mollington. Rice Lewis & Son. Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. Howard Furnace Co. King & Son, Warden. Laidlaw Mig. Co. Ormsby, A. B. Sellers & Co., C. Toronto Furnace Co. V. Sellers & Co., C. Toronto Furnace Co.	I 42 IVI zi 44 44 44 v v v v izi iV vizi V v vizi iX 44 44 v v v v izi iV vizi X v izi iX 44 v izi iX	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES. Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy, Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained, Glass Co. W. C. Barnes, Son & Gilson. Elliott' & Son. Grimson, G. & J. E. Longhurst & Co., H. Lyon; N. T.	III III III III III III III III III II
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co., H. R. IV Whitfield, John vii ART FURNTURE. Scott & Son, W. vii Wright & Co. vii ART WOODWORK. Wagner, Zeidler & Co. 142 BENT GLASS MANUFACTURERS. Polito, T. viii Price, S. I. Siller & Co. 142 Bent GLASS MANUFACTURERS. Polito, T. viii BULDERS' HARDWARE. Aikenhead & Crombie. v Rice Lewis & Son IV Vokes, M. & J. L. 141 BRICKS (PRESSED). Hynes Terra Cotta & Brick Co. vi Mortison & Co., T. A. v. iv	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co. H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. I Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Haines. Douglas & Lankin Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. Holbrook & Mollington. Rice Lewis & Son. Scott & Son, Wm. Vokes, M. & J. L. IRON PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. Howard Furnace Co. King & Son. Varier Son. Scott & Son, Warden. Laidlaw Mig. Co. I Ormsby, A. B. Sellers & Co. Coronto Furnace Co. VomsClary Mig. Co. Toronto Furnace Co.	I 142 IV I xi 444 444 v v v v iii V iii V v v iiii V iii V v v v v	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES. Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy, Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co. W. C. Barnes, Son & Gilson. Elliott' & Son. Grimson, G. & J. E. Longhurst & Co., H. Lyon; N. T. McCausland & Son. Spence & Son, J. C. The Bell Art Stained Glass Works. TERRA COTTA.	III III IX VV VIII VV VV
ADAMANT WALL PLASTER. Page Adamant Mfg. Co. 11, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hičks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co., H. R. IV Whitfield, John vii ART FURNITURE. Scott & Son, W vii Wright & Co. vii ART WOODWORK. Wagner, Zeidler & Co. 142 BENT GLASS MANUFACTURERS. Polito, T. viii Price, S. I. viii BUILDERS' HARDWARE. Alkenhead & Crombie. v Rice Lewis & Son IV Vokes, M. & J. L. 141 BRICKS (PRESSED). Hynes Terra Cotta & Brick Co. vi Mortison & Co., T. A. v. iv Toronto Pressed Brick & Terra Cotta Co. The Ontario Terra Cotta, Brick & Sewer	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co. H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas Bros. Douglas & Co. John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. riolbrook & Mollington. Rice Lewis & Son. Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. Howard Furnace Co. King & Son, Warden. Laidlaw Mig. Co. Ormsby, A. B. Sellers & Co., C. Toronto Furnace Co. Vaterous Engine Works. LEGAL.	142 IV I xi 444444	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES. Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy, Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co. W. C. Barnes, Son & Gilson. Elliott' & Son. Grimson, G. & J. E. Longhurst & Co., H. Lyon; N. T. McCausland & Son. Spence & Son, J. C. The Bell Art Stained Glass Works. TERRA COTTA. Morrison & Co., T. A.	III III III III III III III III III II
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co. H. R. IV Whitfield, John vii Ark Furntture. Scott & Son, W. vii Wright & Co. vii ART WOODWORK. Wagner, Zeidler & Co. Vii BUILDERS' HARDWARE. Aikenhead & Crombie viii BUILDERS' HARDWARE. Aikenhead & Crombie V Rice Lewis & Son IV Vokes, M. & J. L. 141 BRICKS (PRESSED). Hynes Terra Cotta & Brick Co. vi Mornson & Co., T. A. v. vii Toronto Pressed Brick & Terra Cotta Co. The Ontario Terra Cotta, Brick & Sewer	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co. H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. I Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Haines. Douglas & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. Holbrook & Mollington. Rice Lewis & Son. Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. Howard Furnace Co. King & Son. Warden. Laidlaw Mig. Co. Toronto Furnace Co. Vaterous Engine Works. LEGAL. Denton & Dods. METALLIC LATH.	I 42 IVI x 44444 vvvviii v x iiiViii IV x viiiii 344444 vvvviii Viii Viii Viii Viiii Viiii Viiii Viiii Viiii Viiii Viiii Viiiii Viiii Viiiii Viiii Viii Viiii Viii Viiii Viii Viiii Viii Viiii Viii Viiii Vi	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES, Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Piressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy, Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co. W. C., Barnes, Son & Gilson. Elliott'& Son. Grimson, G. & J. E. Longhurst & Co., H Lyon; N. T. McCausland & Son. Spence & Son. J. C. The Bell Art Stained Glass Works. TERRA COTTA. Morrison & Co., T. A. The Hynes Terra Cotta & Brick Co. Toronto Pressed Brick & Terra Cotta Co.	III III IX VV VIII VV VV
ADAMANT WALL PLASTER. Page Adamant Mig. Co. 11, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hičks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins. vii ARCHITECTURAL IRON WORK. BATHUM Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co., H. R. IV Whitfield, John vii ART FURNITURE. Scott & Son, W vii Wright & Co. 142 BENT GLASS MANUFACTURERS. Polito, T. viii BUILDERS' HARDWARE. Aikenhead & Crombie. v Rice Lewis & Son IV Vokes, M. & J. L. 141 BRICKS (PRESSED). Hynes Terra Cotta & Brick Co. vi Mortison & Co., T. A. v. iv Toronto Pressed Brick & Terra Cotta Co. The Ontario Terra Cotta, Brick & Sewer i Pipe Co. xi BULDING STONE DEALERS. Britnell & Co. II	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co. H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Haines. Douglas & Co. John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. Holbrook & Mollington. Rice Lewis & Soo. I Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. Howard Furnace Co. King & Son, Warden. Laidlaw Mig. Co. Ormsby, A. B. Sellers & Co. C. Toronto Furnace Co. Toronto Radiator Mig Co. Waterous Engine Works. LEGAL. Denton & Dods. METALLIC LATH. B. Greening Wire Co.	I 42 IVI zi 44 44 44 v v v v iz iiV vii V v viiii 30 iiii v IV	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co. H. Sanitary Appliances. Booth & Son. Earl & Co. Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. Sewer Pipe. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. Shingle Stains. Cabot, Samuel. Sliding Blinds. Clatworthy, Geo. Stained And Decorative Glass. Castle & Son. Dominion Stained Glass Co. W. C. Barnes, Son & Gilson. Elliott & Son. Grimson, G. & J. E. Longhurst & Co., H. Lyon; N. T. McCausland & Son. Spence & Son, J. C. The Bell Art Stained Glass Works. Terra Cotta, Morrison & Co., T. A. The Hynes Terra Cotta & Brick Co.	III III ix vV viii viiv viiv viiv viiv viiv vii
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co. H. R. xii Ives & Co. H. R. vii ART FURNITURE. Scott & Son, W. vii Wright & Co. vii ART WOODWORK. Wagner, Zeidler & Co. 142 Bent Glass Manufacturers. Polito, T. viii Builders Hardware. Aikenhead & Crombie. v Rice Lewis & Son IV Vokes, M. & J. L. 141 BRICKS (PRESSED) Hynes Terra Cotta & Brick Co. vi Mortnson & Co. T. A. v. iv Toronto Pressed Brick & Terra Cotta Co. The Ontario Terra Cotta, Brick & Sewer r Pipe Co. II Britoling Stone Dealers. Britnell & Co. II Bristow Bros. III	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co., H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Co., John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co Edward. Holbrook & Mollington. Rice Lewis & Soo. Soot & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. HOward Furnace Co. King & Son, Warden. Laidlaw Mig. Co. Ormsby, A. B. Sellers & Co., C. Toronto Furnace Co. VKing & Son, Warden. Laidlaw Mig. Co. Ormsby, A. B. Sellers & Co., C. Toronto Furnace Co. Toronto Radiator Mig Co. Vaterous Engine Works. LEGAL. Denton & Dods. METALLIC LATH. B. Greening Wire Co. Cockburn, T. B. Mineral Wool.	I 42 IVI x 44 44 44 v v v v iii v ii v	Saulter, Wm. Shales, John H. Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co., H. SANITARY APPLIANCES. Booth & Son. Earl & Co., Edward. Higmun, O. Ives & Co., H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy, Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained, Glass Co. W. C. Barnes, Son & Gilson. Elliott & Son. Grimson, G. & J. E. Longhurst & Co., H. Lyon; N. T. McCausland & Son. Spence & Son, J. C. The Bell Art Stained Glass Works. TERRA COTTA. Morrison & Co., T. A. The Hynes Terra Cotta & Brick Co. Toronto Pressed Brick & Terra Cotta Co. The Ontario Terra Cotta, Brick & Sewer	III III III III III III III III III II
ADAMANT WALL PLASTER. Page Adamant Mig. Co. 11, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins viii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co., H. R. IV Whitfield, John viii ART FURNITURE. Scott & Son, W. vii Wright & Co. 142 BENT GLASS MANUFACTURERS. Polito, T. viii Price, S. I. viii BUILDERS' HARDWARE. Aikenhead & Crombie. v Rice Lewis & Son. IV Vokes, M. & J. L. 141 BRICKS (PRESSED). Hynes Terra Cotta & Brick Co. vi Mortison & Co., T. A. v. iv Toronto Pressed Brick & Terra Cotta Co. The Ontario Terra Cotta, Brick & Sewer Pipe Co. 11 Bristow Bros. II Bridles, James. Gillespie & Brooks. II Brodie, James. Gillespie & Brooks. II Brodie, James. Gillespie & Brooks. II Brodie, James. Gillespie & Brooks. II	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co. H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. I Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Haines. Douglas & Co. John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. Holbrook & Mollington. Rice Lewis & Son. Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. Howard Furnace Co. King & Son, Warden. Laidlaw Mig. Co. Toronto Furnace Co. Valenty Mig. Co. Toronto Furnace Co. Toronto Furnace Co. Valenty Mig. Co. Toronto Furnace Co. Valenty Mig. Co. Toronto Furnace Co. Valenty Mig. Co. Valenty Mig. Co. Toronto Furnace Co. Valenty Mig. Co. Valenty Mig. Co. Toronto Furnace Co. Valenty Mig. Co. Valenty Mig. Co. Toronto Furnace Co. Valenty Mig. C	I 42 IVI zi 44 44 44 v v v v iz iiV vii V v viiii 30 iiii v IV	Saulter, Wm. Shales, John H Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co. H SANITARY APPLIANCES. Booth & Son. Earl & Co. Edward. Higman, O. Ives & Co. H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy; Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co. W. C. Barnes, Son & Gilson. Ellioti & Son. Grimson, G. & J. E. Longhurst & Co., H Lyon: N. T. McCausland & Son. Spence & Son, J. C The Bell Art Stained Glass Works. TERRA COTTA. Morrison & Co., T. A. The Hynes Terra Cotta & Brick & Terra Cotta Co. Terra Cotta Fireproofing. Rathbun Co.	III III III III III III III III III II
ADAMANT WALL PLASTER. Page Adamant Mig. Co. II, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm. vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins vii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co. H. R. xii Ives & Co. H. R. vii Wright & Co. Vii ART FURNITURE. Scott & Son, W. vii Wright & Co. Vii ART WOODWORK. Wagner, Zeidler & Co. 142 Bent Glass Manufacturers. Polito, T. viii Price, S. I. viii Builders' Hardware. Aikenhead & Crombie. v Rice Lewis & Son IV Vokes, M. & J. L. 141 BRICKS (PRESSED). Hynes Terta Cotta & Brick Co. vi Mortison & Co. T. A. v. iv Toronto Pressed Brick & Terta Cotta Co. It Bristow Bros. II Bristow Bros. II Bristow Bros. II Bristow Bros. II Bristle, Peter. x Mornison & Co., T. A. v. iv IVall, Peter. x Mornison & Co., T. A. v. iv IVall, Peter. x Mornison & Co., T. A. v. iv IVall, Peter. x Mornison & Co., T. A. v. iv IVall, Peter. x Mornison & Co., T. A. v. iv IVall, Peter. x Mornison & Co., T. A. v. iv IVall, Peter. x Mornison & Co., T. A. v. iv IVall, Peter. x Mornison & Co., T. A. v. iv IVall, Peter. x Mornison & Co., T. A. v. iv IVall, Peter. x	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co. H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Haines. Douglas & Co. John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. riolbrook & Mollington. Rice Lewis & Son. Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. Howard Furnace Co. King & Son, Warden. Laidlaw Mig. Co. Ormsby, A. B. Sellers & Co., C. Toronto Furnace Co. Vaterous Engine Works. LEGAL. Denton & Dods. METALLIC LATH. B. Greening Wire Co. Cockburn, T. B. MINERAL WOOL. Gast & Atchison MANTELS AND OVERMANTELS. Earl & Co., Edward.	I 42 IVI zi 44 44 44 v v v v zi v i zi IVii v v vii i i zi v vii i zi v vii i v vii v vii i v	Saulter, Wm. Shales, John H Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co. H SANITARY APPLIANCES. Booth & Son. Earl & Co. Edward. Higman, O. Ives & Co. H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy, Geo. SFAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co. W. C. Barnes, Son & Gilson. Ellioti' & Son. Grimson, G. & J. E. Longhurst & Co., H. Lyon: N. T. McCausland & Son. Spence & Son. J. C. The Bell Art Stained Glass Works. TERRA COTTA. Morrison & Co., T. A. The Hynes Terra Cotta & Brick Co. Toronto Pressed Brick & Terra Cotta Co. The Ontario Terra Cotta, Brick & Sewer Pipe Co. TERRA COTTA FIREPROOFING. Rathbun Co. WALL PAPER AND CEILING DECORATIONS.	III III ix vivivi vivivi vivivi vivivi vivivi vivivivi vivivi v
ADAMANT WALL PLASTER. Page Adamant Mig. Co. 11, vi National Association x ARCHITECTS. Directory III ARCHITECTURAL SCULPTORS AND CARVERS. Carnovsky, B. H. vii Gullet, F. B. vii Hicks, W. Stivens vii Holbrook & Mollington vii Johnson & Son, Wm vii Mowbray, Thos. vii Turner Frederic vii Wagner, Zeidler & Co. 142 Young & Collins viii ARCHITECTURAL IRON WORK. Barnum Wire & Iron Works. I B. Greening Wire Co. IV Dennis, R. xii Ives & Co., H. R. IV Whitfield, John viii ART FURNITURE. Scott & Son, W. vii Wright & Co. 142 BENT GLASS MANUFACTURERS. Polito, T. viii Price, S. I. viii BUILDERS' HARDWARE. Aikenhead & Crombie. v Rice Lewis & Son. IV Vokes, M. & J. L. 141 BRICKS (PRESSED). Hynes Terra Cotta & Brick Co. vi Mortison & Co., T. A. v. iv Toronto Pressed Brick & Terra Cotta Co. The Ontario Terra Cotta, Brick & Sewer Pipe Co. 11 Bristow Bros. II Bridles, James. Gillespie & Brooks. II Brodie, James. Gillespie & Brooks. II Brodie, James. Gillespie & Brooks. II Brodie, James. Gillespie & Brooks. II	Anderson & Co. A. T. Royal Electric Co. The Keegans-Milne Co. ELEVATORS. Ives & Co., H. R. Leach & Turnbull. Miller Bros. & Toms. ENGRAVERS. Canadian Photo-Eng Bureau. Kramer, W. J. Laidlaw, R. Toronto Engraving Co. Wiseman, James I. GALVANIZED IRON WORKS. Douglas Bros. Douglas & Haines. Douglas & Haines. Douglas & Co. John. Hedges & Lankin. Ormsby, A. B. Tucker & Dillon. GRATES AND TILES. Earl & Co. Edward. Holbrook & Mollington. Rice Lewis & Soo. Scott & Son, Wm. Vokes, M. & J. L. IRON, PIPE. Ives & Co., H. R. HEATING. Burrow Stewart & Milne. Clare Bros. & Co. Howard Furnace Co. King & Son, Warden. Laidlaw Mig. Co. Ormsby, A. B. Sellers & Co., C. Toronto Furnace Co. VKing & Son, Warden. Laidlaw Mig. Co. Ormsby, A. B. Sellers & Co., C. Toronto Radiator Mig Co. Vaterous Engine Works. LEGAL. Denton & Dods. METALLIC LATH. B. Greening Wire Co. Cockburn, T. B. MINERAL WOOL. Gast & Atchison. MANTELS AND OVERMANTELS, Earl & Co., Edward. Wright & Co.	I 42 IVI x 44 44 44 V V V V V X V X IV X V V V V V V V V V	Saulter, Wm. Shales, John H Stewart, W. T. The Parmalee Roofing & Paving Co. Toronto Roofing Co. Williams & Co. H SANITARY APPLIANCES. Booth & Son. Earl & Co. Edward. Higman, O. Ives & Co. H. R. Malcolm, W. B. St. Johns Stone Chinaware Co. SEWER PIPE. Hamilton and Toronto Sewer Pipe Co. McNally & Co., W. Maguire, William. McRae & Co. Terry, Edward. The Ontario Terra Cotta Pressed Brick & Sewer Pipe Co. Vokes, M. & J. L. SHINGLE STAINS. Cabot, Samuel. SLIDING BLINDS. Clatworthy; Geo. STAINED AND DECORATIVE GLASS. Castle & Son. Dominion Stained Glass Co. W. C. Barnes, Son & Gilson. Ellioti & Son. Grimson, G. & J. E. Longhurst & Co., H Lyon: N. T. McCausland & Son. Spence & Son, J. C The Bell Art Stained Glass Works. TERRA COTTA. Morrison & Co., T. A. The Hynes Terra Cotta & Brick & Terra Cotta Co. Terra Cotta Fireproofing. Rathbun Co.	III III III III III III III III III II