

# THE AMERICAN CONTRACTOR

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CHICAGO, SATURDAY, APRIL 2, 1910.

NEW YORK. \$5.00 PER YEAR

If you are building a ditch or reservoir lined with concrete, make the concrete absolutely impervious to water by the use of

## AQUABAR

INTEGRAL WATERPROOFING

We invite correspondence on waterproofing subjects. AQUABAR WATERPROOFING MATERIALS are carried in stock by the leading dealers. If your's cannot supply you, write to us direct. ASK FOR FOLDER A.

**GIRVAN-NACHOD**

1228 Locust St., Philadelphia  
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THE AQUABAR COMPANY

## Ceresit Waterproofing Paste

is simply added to the water used in mixing concrete and mortar. With the water, the Ceresit Paste is carried to all parts of the mortar and concrete and assures a permanent waterproof job. Ceresit is not an experiment. It has been used for water- and damp-proofing hundreds of tanks, reservoirs, foundations, etc. It has not only been employed by the U. S. Government, but by practically every government in the civilized world. We guarantee and give bond whenever the work is done under our supervision. Write for free booklet.

Ceresit Waterproofing Co.

5 Adams Street, Chicago, Ill.

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ROOFING SLATE  
1133 BROADWAY,  
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An actual occurrence

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"You can?" "Good!"

"The contractor here says he can't get them. I shall insist that he furnish them. I have specified them and shall accept no other. Kindly send me samples at once, by express; also copy of your warranty and trademark. Can you refer me to some roofer here who can furnish your slate?"

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It can be obtained in either Buff or Blue. Their equipment and shipping facilities are such that any and all orders can be promptly filled for Rough or Planed Scabbled blocks, Sawed, Planed and Turned stone.

CURBING: Improved machinery enables us to produce a curb with face and back sawed, having a wire sawed top, at prices to compete with sandstone or stratified limestone.

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We can turn stone 24 feet long, saw stone  
17.6 feet long

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Correspondence Solicited. Estimates Furnished  
on Application. Established 1866.

## The Climax Stone Co.

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Estimates given on all kinds of Cut Work

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I-X-L Polished Rock Maple Flooring can be laid faster than competitive stock.

WIS. LAND & LUMBER CO., Wausauville, Wis.

**OLD WOODEN WATER PIPES.**

Some time ago sections of wooden water mains, in use fully sixty years ago, were unearthed in Chicago and the circumstance was regarded as quite remarkable. This has been heavily discounted at Burlington, N. J., where wooden water pipes that had been under ground for 175 years were found in a fair state of preservation. The pipes were used when the old Burlington Aqueduct Company supplied city homes with water from the springs on Crow Hill, the water being first collected in a basin and piped into the houses with only such pressure as it gained from gravity.

The first water works were installed in Burlington in 1804 under a charter obtained by William Coxe Thompson Neale, Abraham Stockton and John Hoskins, Jr. The undertaking was a serious one, but was lightened somewhat by the circumstance that the city of Philadelphia was preparing to substitute new iron pipes for the wooden ones in Market street that for seventy years had conducted water from the works at Central Square. The city offered the old logs for sale and as they were well adapted for the needs of Burlington, they were purchased and placed in service, where they were retained until iron pipes were installed, some forty years later.

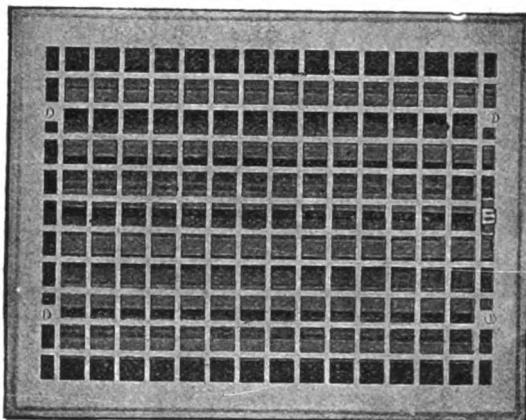
The principal wooden mains ran through High street and East Broad street, from the source of supply on the land of John Rogers and George G. Wetherill, in South Burlington. As the means of collecting the spring water was of the most crude form and much went to waste and as there was no mechanical pressure to increase the flow, the supply obtained is said to have been sufficient only for the merest domestic service, and such a thing as fire protection therefrom was out of the question. However, a few fire hydrants of a crude pattern were placed on the lines to permit the company to retain its charter.

About this time, according to an old writer, "baths were a luxury few could enjoy. Those who had means to pay and leisure to wait for a flow into bathtubs must be sufficiently low-minded to content themselves with bathing in the lower stories of their houses, while some found it convenient to use their basements for that purpose. The rules of the Aqueduct Company were necessarily rigid regarding the use and waste of water, and so exclusive were the privileges given and so stringent their regulations that great care was required to avoid a violation of them. Once a prominent citizen, and inn-keeper, was fined \$5 for giving drink to a horse from a pail."

The water from the springs, delivered in this rather primitive manner, continued to supply the demands of Burlington until near the middle of the last century, when the first attempts were made to pump water from the Delaware River and distribute it under pressure. The change was due to the enterprise of a builder of those days, Thomas Dugdale, who installed a private pumping station to supply water to a block of houses he had erected. This greatly angered the managers of the old Aqueduct Company, who started an agitation against the new concern. But enterprise existed even in those early days and the people, aroused by this against the company that had so long provided them so inadequately with water, petitioned for and secured permission for Dugdale to lay pipes through every street for a general supply. In 1848 Dugdale bought out the franchise and property of the Aqueduct Company and organized the Burlington Water Company. In 1877 the city purchased the property and rights of the latter company and founded the municipal water works.

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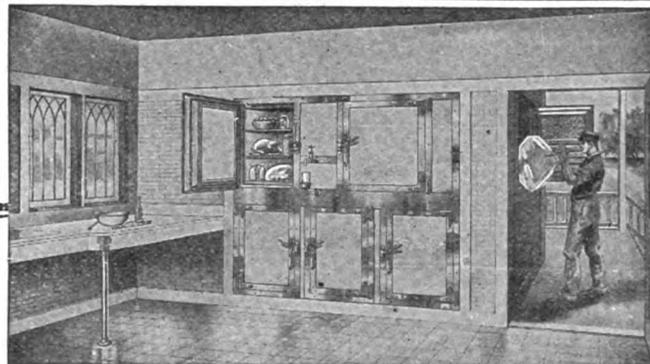
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McCray Special Refrigerators are built-to-order in our factory from your measurements and specifications, and shipped ready to be set into place and put into service.

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For a quarter of a century the McCray System of refrigeration has been recognized as standard by leading hotels, hospitals, clubs and institutions. Especially noteworthy is the fact that the United States Government uses McCray Refrigerators in practically all its forts, on many battleships, and in the food-testing laboratories of the Department of Agriculture.

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Will outlast 10 lengths of best rubber hose. It will not collapse under heaviest suction pressures. Made for Steam, Air, Water, Oil, Gasoline. Made in either copper or galv. steel. Asbestos covered, hence no condensation. Will save you over 50 per cent on hose bills.

**Dake Power Drum Hoists**

Is an engine and drum only. To run on air or steam. For operating derricks of all kinds. Get interested, Mr. Stone Contractor. No exposed moving parts. Start, stop, or reverse on one lever. At a price that will make you buy.

**Clover Leaf Batch Mixers**

Built on scientific principles. Made in 5, 7, 10, 15 cu. ft. capacity. Drum—is without wings or deflectors. The shape of the drum does the mixing. Material carried up, cut through and doubled over three times each rev. It is not rolled over and over. Made with power side loading appliance. Also with overhead water tank. Gasoline, steam, electric or hand power. Write for prices; they will surprise and interest you. We guarantee each machine and power equipment.

**Kent Continuous Mixers**

One of the oldest continuous mixers in existence. Have the only feeding device not requiring constant attention. Accurate feed to within one per cent. All metal construction. Dust proof bearings. Removable mixing blades. Two or three hopper machines. Gasoline, steam, electric or hand power. Portable or stationary. For dry or wet mixing any material.

**National Dump Wagons**

Doors automatically raise up on outside of wagon when dumping. Hence lowest dump wagon made. Therefore is easiest hand loaded. And is the shortest dump wagon on market. Channel Iron box frame steel reinforced. Wood or steel axles. Special pressed steel doors. Made in 1 1/2, 2, 2 1/2, 3 yd. capacity. There are cheaper ones, none better. Our catalogues will prove it.

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A peerless wood preservative. Shingles treated 12 years ago are like new today. No pressure tanks needed for application. A combined penetrating and surface paint. Endorsed by U. S. Government.

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Has proper key to prevent too much plaster passing through lath. Has a close and horizontal arrangement of shelves offering greater support to plaster than any other lath. 28 gauge weighs 2 1/4 lbs. sq. yd. 26 gauge weighs 3 1/4 lbs. sq. yd. Or is equivalent to any other make of lath 2 gauges heavier. Yet price is the same. See our rigid metal corner CLIM—X.

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Are made of steel throughout. Wood wheels if desired. Just the thing for Asphalt pavers. Prices very low.

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Built on scientific lines. Harvized crucible steel points. Hence cannot bend or break. Lighter, yet stronger than any other shovels. Requires less energy to handle. Have in actual test worn out 2 common shovels.

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Are better than common twisted bars. Because they are of oval cross section and easily bent. Because they have a greater adhesive area in the concrete. Because the flange projections more firmly imbed the rod in the concrete. Let us quote a price that will surprise you. We also furnish plain bars, etc.

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