

### THE AMHERSTBURG QUARRY.

The stone quarry at Amherstburg, Ont., owned and operated by the Amherstburg Quarry Company, and under the management of Mr. T. W. Bellhouse, is now the scene of increased activity. The Dominion Government sometime ago specified stone from this quarry for use at the Soo locks, and the contractors who took the stone out left the quarry in bad condition. The present company took possession about seven years ago, and have since devoted most of their efforts to clearing up. As a consequence they have sold nothing but crushed stone and building stone. They will be in a position very shortly to supply block stone, in which they expect to do a large business.

bunch of grapes surrounded by rope work, which illustrates the facility with which this stone can be worked.

The quarry is very complete and operated by the tool check system. They have a No. 6 Gates and a No. 3 McCulloch crusher, a Rand drill and Fairbanks-Morse pumps.

### LONG-SPAN ARCHES.

The longest concrete arch yet undertaken anywhere is that of the main span of the Walnut Lane bridge in Philadelphia. Not only is it the largest of its class, but it has the third place in the list of long-span arches of all classes of masonry, so that the structure must be regarded as one of the most

John bridge near Washington has now dropped back to fifth place. It is not at all improbable, however, that this list will see some important additions before many years have elapsed, for the construction of long-span reinforced concrete arches, has not yet begun. The 230 ft. of the Gruenwald bridge, the longest concrete structure with metal reinforcement, is of insignificant length when measured by the possibilities afforded by new methods of design.

Bryant & Co., contractors, of Sherbrooke, Que., have registered their business.

Roughcast construction is becoming very popular among the



THE WATERWORKS, ATLIN, B. C.

Samples of this stone, ranging up to 10 ft. 6 in. x 3 ft. 6 in. x 2 ft. 6 in., were sent to Robertson & Company, contractors, Detroit, who reported that they planed, smoothed, and otherwise experimented with it. No difficulty was found in planing the stone, and it took a nice smooth surface. It would seem that this stone ought to be in a position to compete with the imported Indiana product.

When our representative was at the quarry he saw a large block of this stone, which had been exposed for six years to the weather, with pockets made in it to catch the water. There was no evidence of any deterioration whatever. On one side of this block is carved a

interesting engineering undertakings of to-day. The longest masonry bridge in the world is the structure at Plauen, Saxony, by Mr. Carl L. Palen, who assisted in its design; it has a clear span of 295.2 ft. and its soffit is a five-centered curve with radii of 344.5, 191.9 and 98.7 ft. The second place is held by the bridge over the Petrusse River in Luxembourg, it has a span of 275.5 ft. and a rise of 101.8 ft., and is a circular curve. The third place is held by the Walnut Lane span of 233 ft. The fourth place is occupied by the Gruenwald bridge over the Isar River at Munich, which has a reinforced concrete span of 230 ft. and a rise of 42 feet. The famous Cabin

smaller residences being put up in the Winnipeg suburbs this year.

Mr. J. W. Pattison, who for the past twelve years has been Town Clerk of Neepawa, Man., has resigned that position owing to ill-health.

Mr. E. Jennings has taken over the Western Canada Agency for the Warden King Co., of Montreal, and has his offices at 304 King Street, Winnipeg.

The new Winnipeg Post Office is nearing completion. The interior measuring 130 x 50 is being lined throughout with 8 ft. 5 in. slabs of Carrara marble imported direct from Italy. This work is being carried out by the Hooper Marble & Granite Company, Limited, Winnipeg.

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