"A Revolution in the Granite Business"

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According to this article, the firm Chas. H. More & Co. of Barre and Montpelier, Vermont, was among the first to introduce the Pneumatic Stone Dressing Machine, introduced by the American Pneumatic Tool Company of New York.

This article, which begins on the next page,
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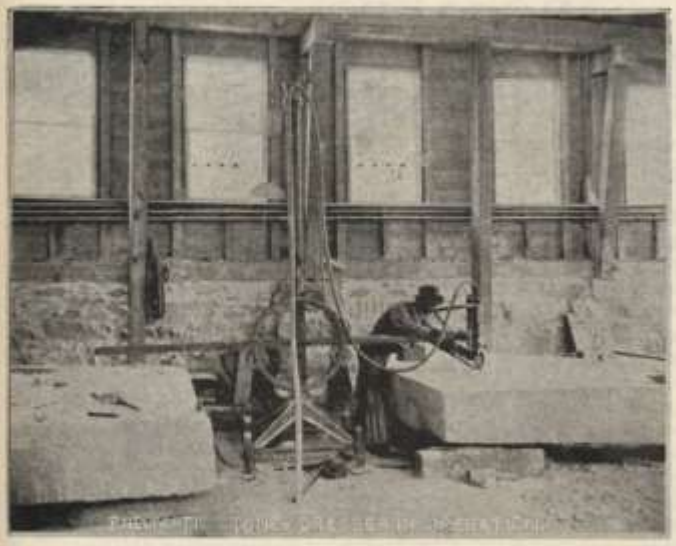

A Revolution in the Granite Business.

For ages attempts have been made to cut granite by machinery, but failure has been almost universal.

There has been but one partial success, and that of limited utility until the advent of the Pneumatic Stone Dressing Machine, introduced by the American Pneumatic Tool Co., of New York.

A number of these granite surface cutting machines have been in very successful operation for some months.

Among the first to introduce them was the well known and popular firm of Chas H. More & Co., of Barre and Montpelier, Vt., who found the first so very satisfactory that they have just purchased a second machine.

Our representative on a recent visit to their works secured the subjoined photograph of the machine at work upon one of the large platforms of the Iowa State Soldiers' Monument, portions of which have been illustrated in previous numbers of the MONUMENTAL NEWS.

That this machine is destined to work a revolution in the granite industry is evident from the following facts, viz:

It combines the intelligent judgment of the workman with the economy and rapidity of power-driven machinery.

Its range of operation is very extensive.

It takes the granite from a rough point, say an inch above the level and reduces it to the finest 6–8–10 or 12 cut work—with great rapidity.

It will increase the uses of granite immensely, by lessening the cost of the finished material, while improving the character of the work.

It is light and portable, being easily taken to and from the stone, whether in the shed, yard, or quarry, and does its work at almost any angle or elevation.

It is also a marvel of mechanical simplicity. It consists of a base on wheels, sustaining a column of pipe on which a circular slide moves upward and downward, according to the height of the stone. A double bar carrying the Pneumatic Tool moves back and forth on the four pairs of wheels of the slide, at the touch of the operator.

He can apply the tool to any stone within a twenty foot circle, without moving the carriage and make the change from stone to stone within a minute.

The power is conveyed to the Tool by means of gas pipe and hose. Steam may be used, but compressed air at 70 lbs. pressure is preferable.

The work of the machine shows no starts or stuns, which are almost unavoidable under the unequal force of the hand hammer. Dealers will soon learn the superiority of the finish by this machine and will demand it when ordering work, as they already do for the finer product of the Pneumatic carving and lettering tools, a number of which are also in use in this establishment.

The illustration given herewith gives a good general idea of the way the machine is manipulated, and its range. It is so comparatively simple in its construction and operation that it is sure to grow in favor where opportunities offer for its introduction.

(photo captions in above article: (1) “Pneumatic Stone Dress in operation.” & (2) “Interior view of plant at Montpelier.”