

“Double Head Planer and Moulding Machine”

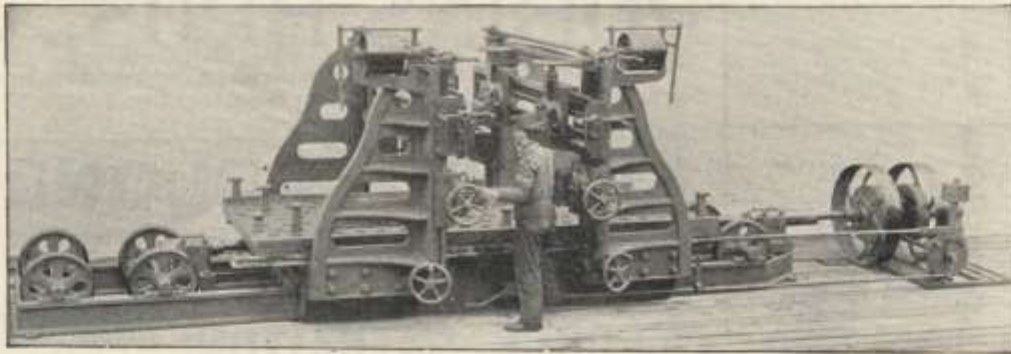
In *The Monumental News*, Vol. 7, No. 4
April 1895, pp. 278

(The following advertisements are also included on the scan of the above article:
(1) T. P. Owens & Son, Manufacturers & Dealers of Quincy Granite,
Massachusetts; (2) Young's Prospective Protractor, Fort Wayne, Indiana; and (3)
Harrison Bros., Diamond Grit Globules or Chilled Shot, Nathan C. Harrison, East
Boston, Mass.)

This article, which begins on the next page,
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Double Head Planer and Moulding Machine.

The machine here illustrated, embodies the latest improvements for working stone and marble, planing flat surfaces, all kinds of moulding, sinking panels, etc. It is driven by right and left friction pulleys attached to the end of a steel screw five inches in diameter, secured in boxes at each end of the machine. The nut travels on the screw, and is securely bolted to the under side of the platen. The usual speed of the platen, which is twelve feet long, for average work is 22' 0" per minute in either direction, and stone twelve feet long by six feet wide by three feet deep can be planed upon this machine.

The platen travels in "V" grooves while passing under the tools, but at either end runs off on roller bearings to save friction and power. One very desirable feature, is the cutting away of the thread of the screw at each end to prevent the nut from jamming against the boxes, if from any cause the platen should be allowed to run too far; and by thus cutting away the thread the nut merely runs off the screw and can be readily run back on again. The cross heads, each with two tool heads, raise and lower by power, and there is also one tool head on each of the four uprights.

The machine can be operated by one man, but is designed as a double machine, that is, for an operator at each side.

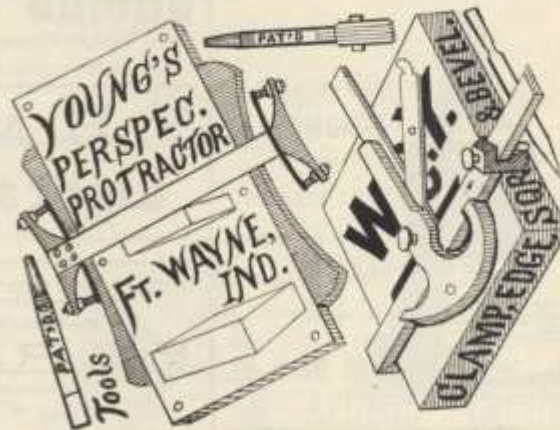
The operator, in the cut, has his right foot upon the reversing lever, which instantly stops, reverses, or starts the machine at any point at will. The driving mechanism, being without gears, the machine is noiseless. This is a great improvement, as will be appreciated.

The total weight of the machine and countershaft is about 40,000 pounds. It occupies, while working, a floor space of about twenty-nine feet in length, the extreme width, where the operator stands, is ten feet.

It is constructed by the F. R. Patch Mfg. Co. of Rutland, Vt., who claim it will do the work of from ten to fifteen stone-cutters, in better shape, and four horse power will operate it.

Elisha W. Fuller died March 24, aged, 61 years. Mr. Fuller gained much fame as a cutter of granite statues, and worked for the New England Granite Co., at Westery, for many years. For the past two years he has been at work at Quincy, and has

cut many large statues at the yards of Fuller, Foley & Co., of West Quincy, where he had a studio. He cut a twelve ft. figure of Hope last fall, the largest figure ever cut in this city. Just before his death he had under way a sitting figure from a beautiful model. Mr. Fuller was a well read man, and had much artistic talent. He was a conscientious worker, and every job that left his hands was the result of his best endeavors. He leaves a widow, one son and daughter.



Harrison Bros.

Diamond Grit Globules - - - -
- - - - - or Chilled Shot.

We have at last found a good clean shot to suit the Granite polishers and stone sawyers of America. Send for samples and prices of our shot before you purchase elsewhere. It speaks for itself, once tried always used. The leading firms of the United States are using large quantities and have at last found shot to rely upon doing good work. Address all correspondence to (one of the firm.)

NATHAN C. HARRISON,

161 TRENTON ST., EAST BOSTON, MASS.