9755X

J. & J. Sutton,

Dressing Stone.

Patented June 20, 1836.

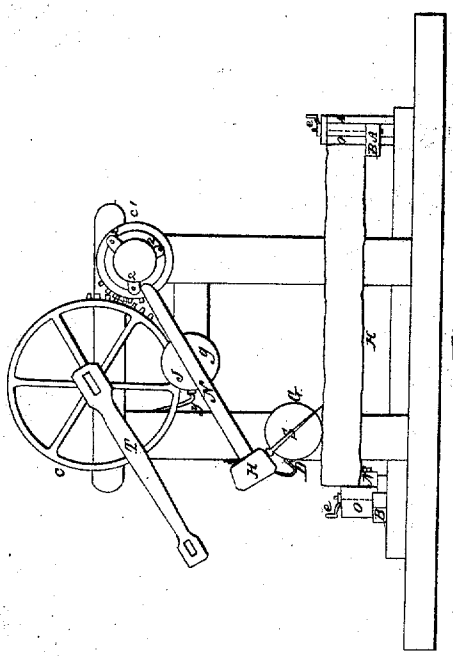


Fig. 2.

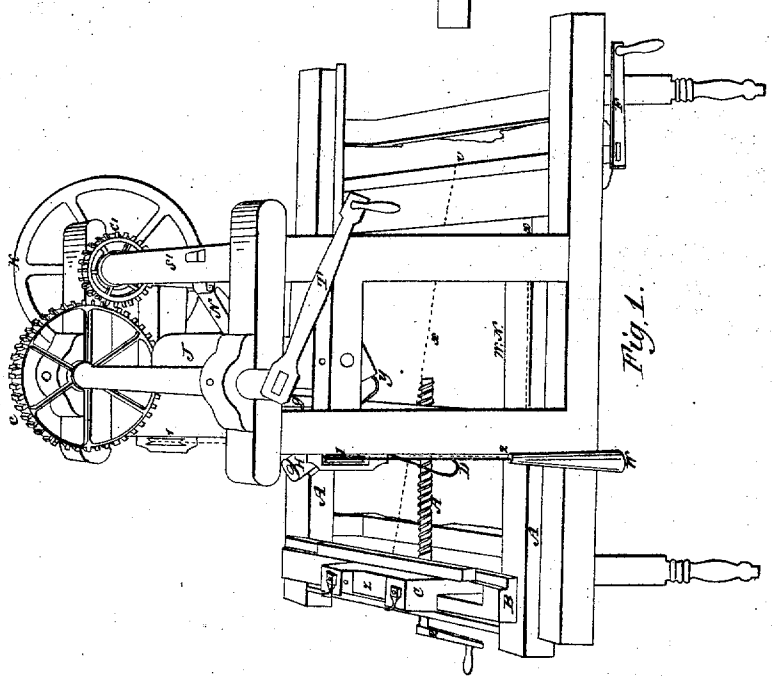


Fig. 1.

AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

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Patent of James & John Sutton

The Schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the said James Sutton and John Sutton themselves of their "Improvement in the Machine for Cutting and facing Stone".

To all to whom these presents shall come: Be it known that we James Sutton of the town of Redding, in the County of Fairfield and John Sutton of the town of Lisle in the County of Yates, in the State of New York have invented a new and useful improvement in Machine for Cutting and facing Stone, and that the following is a full and exact description of the construction and operation of said improvement or machine as invented by us, to wit— A. The crank and shaft by which the cog wheel C pinion C 1 balance wheel K and shaft L are caused to make a rotary motion.

The cogs C and C 2, acting upon the hammer levers b causes the hammers H. to raise off from the chisels d. Figure 2. The force of the hammer on their return is strengthened by the action of the springs f, f. The shaft I is the center of motion, of the levers b. The shaft G. through which the chisels d pass, is drove back by the pressure of the stone against the points of the chisels, as represented by figure 2. If the marble or stone D D, are springs acting against the shaft G. which causes the chisels d to act upon the stone with much greater force than it would with the hammers alone.

E. E. The carriage. B and B. B. The head blocks. A and A. A. are blocks on which the stone is placed. The blocks A and A. A are raised and depressed by means of rods passing through the uprights C.O, and C. A. Figure 1. This will be more readily understood by figure 2. C and C. A, are the uprights. A and A. A. are blocks. K. the stone. C. C. the rods, and the dotted lines represent the rods. Levers hooked in the posts C.C. L. L. are raised and screwed by which the head blocks B is moved along on

the carriage A. A. to suit the length of the stone M^r the weight by which the carriage is drawn forwards, the dotted line represents a rope attached to the rear End of the carriage passing under the pulley I, and over the pulley 2. J. K. the crank, shaft and rope by which the carriage is drawn back again. The said improvement or Machine to be set in motion and be propelled by either human, animal, water, or Steam power which may be arranged in front of the Chisels to prepare the rough Stone for the action of the chisels.

What we claim as new, and as our invention and discovery in the above described Machine is the combination of those several powers which compose the said Machine for the purpose of cutting & facing Stone

Witnesses
Sam^l L. Crawford
Charles M. Root

James Sutton
John Sutton

Exd 1196. Patented June 20.th 1836. (602

(Re.d & Reissued new-September 9. 1839.)

(Drawing)