

N. JENKINS.

Machine for Dressing or Paneling Stone, Wood,
or other Material.

No. 237,285.

Patented Feb. 1, 1881.

FIG. 1

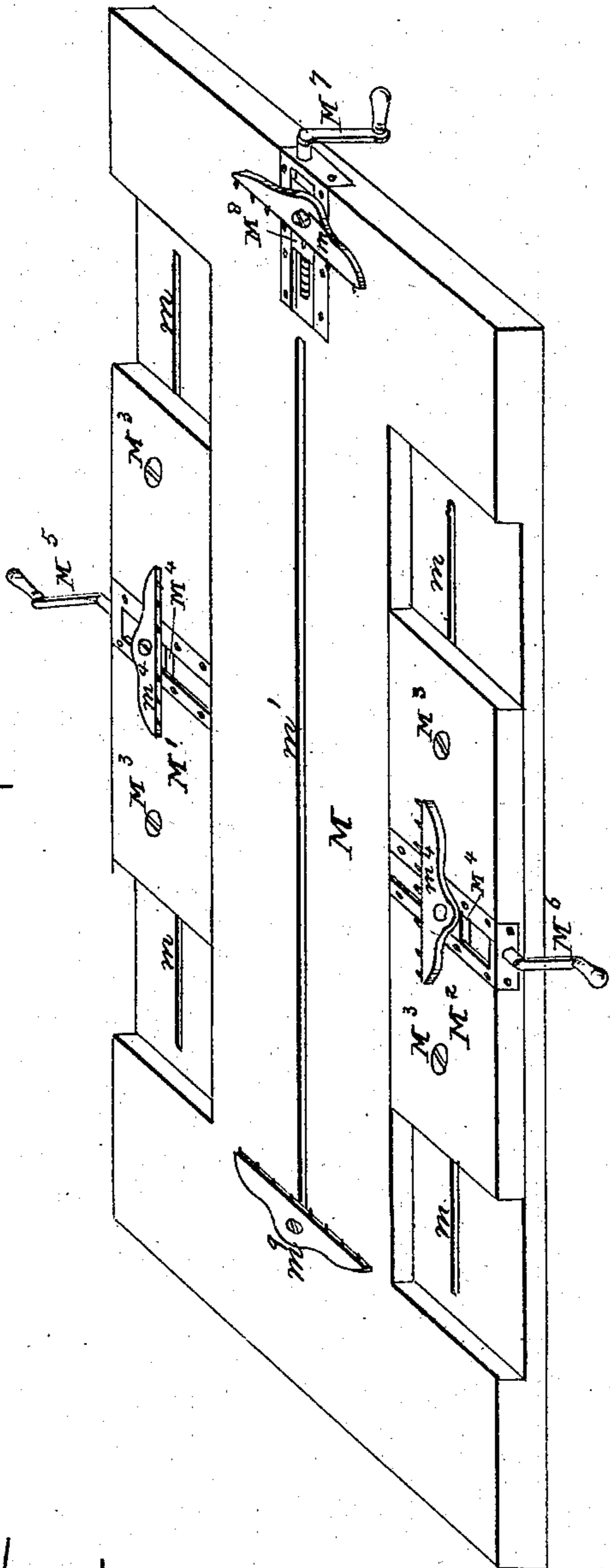
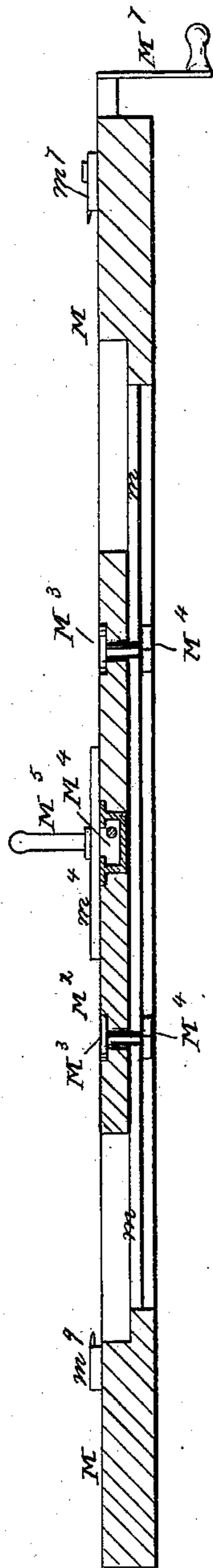


FIG. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

NICHOLAS JENKINS, OF NEW HAVEN, CONNECTICUT.

MACHINE FOR DRESSING OR PANELING STONE, WOOD, OR OTHER MATERIAL.

SPECIFICATION forming part of Letters Patent No. 237,285, dated February 1, 1881.

Application filed January 4, 1879.

To all whom it may concern:

Be it known that I, NICHOLAS JENKINS, of the city and county of New Haven, in the State of Connecticut, have invented certain new and useful Improvements relating to Machinery for Dressing or Paneling Stone, Wood, or other Materials; and I do hereby declare that the following is a full, clear, and exact description thereof.

This invention relates to improvements in frames for clamping or holding the material to be operated upon by cutting machinery.

The following is a description of what I consider the best means of carrying out the invention.

The accompanying drawings form part of this specification.

Figure 1 represents a perspective view, and Fig. 2 a longitudinal section, of a frame constructed according to my invention.

In each of the views similar letters of reference are employed to indicate corresponding parts wherever they occur.

This frame may be held in suitable clamps or holding means supported by the table of the cutting-machine, or in any other convenient manner. Its main body is indicated by M. Its thickness, along for a considerable space on each side, is reduced, as indicated. In its spaces are mounted adjustable pieces M' M², which are capable of being adjusted longitudinally of the frame M and held in any desired position by bolts M³, which extend in slots m and engage in nuts M⁴ below, the groove being enlarged on its lower face to receive the nuts, as will be obvious.

M⁵ M⁶ are crank-handles, which operate corresponding screws lying transversely in the pieces M' M², and engaging with nuts which may traverse in the transverse grooves herein provided. On the top of each nut M⁴ is a clamp-piece, m⁴, which is toothed or roughened on its inner faces, and is adapted to swivel, so that it may clamp diamond-shaped or other irregular objects.

M⁷ is a corresponding screw-handle working a corresponding screw, and working a corresponding nut, M⁸, in a groove extending longitudinally of the frame M. This nut carries a similar swiveling clamp-piece, m⁷. A slot, m', extends longitudinally along the center of the frame M. There is also a fourth clamping-piece, m⁹, swiveled on a nut, which is adjustable

in any required position in the groove or slot m'. This entire clamping-piece M and its connections may be seized in the clamping means and held firmly, suitable blocks or retaining means being employed to hold the frame M in proper position in relation to the cutting machinery to allow for the clamps m⁷ and m⁹. Such blocking may be greater at one end than at the other, and thus the frame M, and its provisions for clamping on all sides, may not only serve as a universal clamping device for holding irregular material of any kind, but also, in connection with suitable clamping-frames or means for holding material obliquely, I can, by lowering one end of the clamp M more than the other, dress a tapering shaft of marble or other stone.

This mechanism is also conveniently adapted for holding many articles of wood to be presented to suitable dressing machinery.

Modifications of this device may be made within wide limits by any competent mechanic. Two or other number of clamps and adjustable pieces may be arranged at the sides, and two or more clamps may be arranged at the end; or the adjustable pieces and clamps may be arranged at the end, or the clamps may be arranged on sliding pieces, both on the sides and ends, if desired.

This invention may be employed for working wood, and for treating marble and analogous soft stone, which may be treated by revolving cutters. It may also be applied for treating hard stone and material generally, it being understood that the cutting or dressing means be adapted thereto.

I claim as my invention—

1. The portable base or frame M and double clamps m⁴ m⁹, combined and adapted to serve as and for the purposes herein specified.

2. The side clamps, m⁴, adjustable both longitudinally and laterally on the portable base or frame M, in combination with the end clamps, m⁹, and with provisions for swiveling to adapt the several clamps to oblique and irregular objects, as specified.

In testimony whereof I have hereunto set my hand this 22d day of June, 1878, in the presence of two subscribing witnesses.

NICHOLAS JENKINS.

Witnesses:

W. COLBORNE BROOKES,
CHAS. C. STETSON.