L. MOORE.

MILLSTONE DRESSING MACHINE.

No. 186,686. Patented Jan. 30, 1877.

Fig. 1

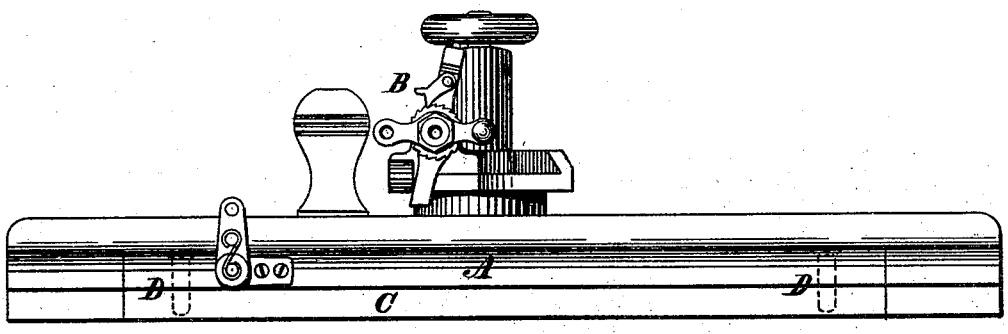
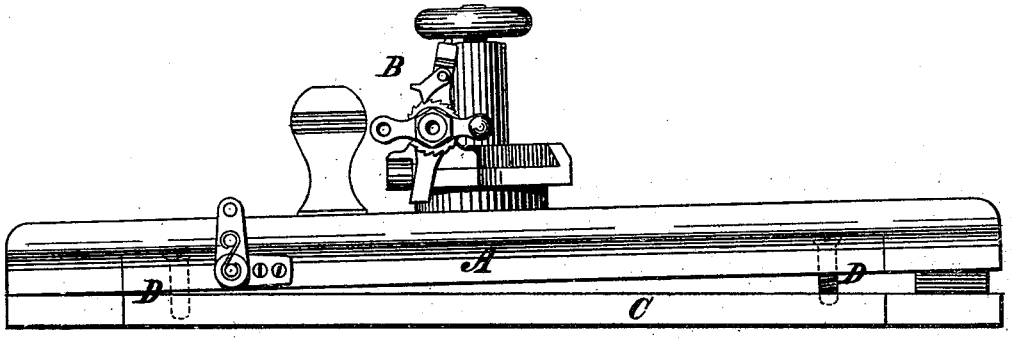


Fig. 2



Witnesses

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UNITED STATES PATENT OFFICE.

LEONARD MOORE, OF COLE'S CREEK, ASSIGNOR TO SAMUEL E. GRISCOM, OF POTTSVILLE, PENNSYLVANIA.

IMPROVEMENT IN MILLSTONE-DRESSING MACHINES.

Specification forming part of Letters Patent No. **186,686**, dated January 30, 1877; application filed July 10, 1876.

To all whom it may concern:

Be it known that I, LEONARD MOORE, of Cole's Creek, in the county of Columbia and State of Pennsylvania, have invented a new and useful Adjustable Base-Plate for Diamond Millstone-Dressing Machines; and I do hereby declare the following to be a full, clear, and precise description of the same, and such as will enable others skilled in the art to which it appertains to construct and employ my said invention, reference being had to the accompanying drawing, which forms part of this specification, and of which—

Figure 1 is a side elevation of a millstone-dressing machine embodying my base-plate, when the latter is not in use to adjust the cutting; and Fig. 2, a similar view of the same, but with the plate adjusted for deep cutting on the left-hand side.

Similar letters of reference indicate corresponding parts in both the figures.

This invention is applicable to any dressing-machine which is provided with a bed-plate, and which dresses the surface of millstones by lines cut or scored by a diamond or other cutting point, traveling in a frame or carriage in a direct line from point to point, but is especially applicable to such a machine as that patented by Daniel Larer upon November 25, 1873, as No. 144,851, to which it is represented as attached in the drawing.

It is often desirable to dress more deeply toward the eye or toward the skirt of the stone, and it is usual to block up the bed-plate by wedges of paper or the like to effect such deeper dressing; but the disadvantage of such crude method is, that when it is necessary to alter the position of the machine, the paper is apt to be blown away or to be wrongly replaced, whereby the inclination of the machine is altered, and the dressing consequently made irregular.

The object of this invention is to remedy such disadvantage and create a device by which any desired inclination can not only be given to the bed-plate and cutting-tool, but also be invariably maintained, to which end it consists, substantially, in the adjustable base-plate hereinafter described and claimed.

In the drawing, A represents the bed-plate of the Larer machine, and B the mechanism for carrying and operating its cutter. C is my adjustable base-plate—a plate of the same size as the bed-plate, and fitted to the bottom of the same by means of screws D, thumb-screws, or similar devices, so that when the screws are tightened up the base-plate is firmly connected to and forms a part, so to speak, of the bed-plate, in which position the dressing will be level. When, then, it is desired to dress more deeply at one end or side of the stone, the screws connecting the plates are loosened, and sufficient thickness of paper or other material inserted between the two plates, at the end or side opposite to that at which it is desired to cut most deeply, to give the desired inclination to the bed-plate, and consequently to its cutter, after which the screws are tightened upon the paper, retaining it fixedly in position, so that when necessary the machine can be moved from point to point without any possibility of alteration in its cutting inclination.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The adjustable base-plate C, in combination with the bed-plate A and the screws D, substantially as and for the purpose specified.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

L. MOORE.

Witnesses:

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