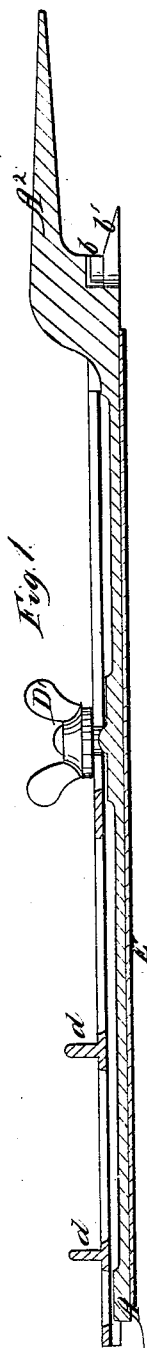
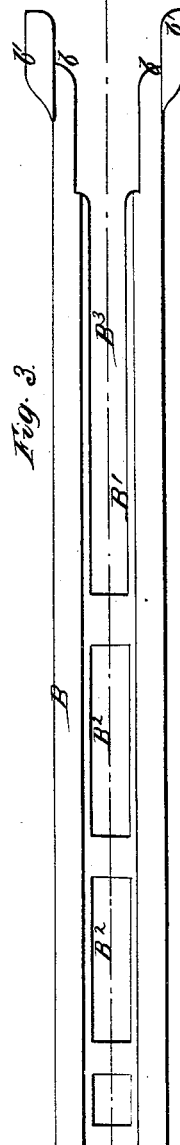


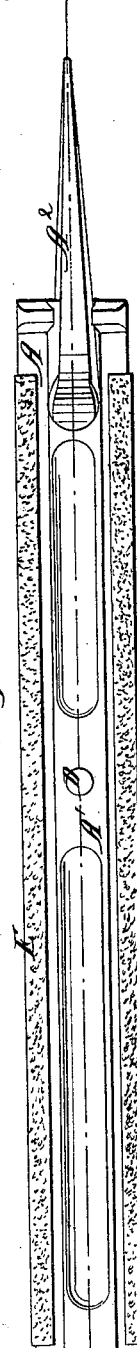
*J. & W. W. Redding,*  
*Sand-Paper Holder.*  
*No 46,702.* *Patented Mar. 7, 1865.*



*Fig. 1*



*Fig. 3*



*Fig. 2*

*Witnesses*  
*C. D. Smith*  
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*Inventor.*  
*J. Redding*  
*W. W. Redding*  
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*Attorneys*

# UNITED STATES PATENT OFFICE.

JEROME REDDING, OF MAPLEWOOD, AND NATHANIEL W. REDDING, OF CHARLESTOWN, MASSACHUSETTS.

## IMPROVEMENT IN SAND-PAPER HOLDERS.

Specification forming of Letters Patent No. 46,702, dated March 7, 1865.

*To all whom it may concern:*

Be it known that we, JEROME REDDING, of Maplewood, in county of Middlesex and State of Massachusetts, and NATHANIEL W. REDDING, of Charlestown, in the county of Middlesex and State of Massachusetts, have invented a new and useful Emery-Cloth and Sand-Paper Holder; and we do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a longitudinal vertical and central section of our improved device. Fig. 2 is plan of the piece whose smooth face affords a bearing for the emery-cloth or sand-paper. Fig. 3 is a similar view of the piece employed to hold the paper or cloth in position.

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

The object of our invention is to provide a device to enable mechanics and others to use sand-paper and emery-cloth to better advantage, and with a saving of material and a reduction of the time which is required to apply the same. The nature of some varieties of work has heretofore necessitated the employment of a stick or common file, in which case glue or similar adhesive material has to be used to secure the paper or cloth in a firm condition while it is being rubbed against the wood.

Our invention consists, principally, in the construction and use of two pieces or bars of metal or other material, on the face of one of which the paper or cloth is spread smoothly and evenly, and between which it is retained by a thumb-screw. The parts are so formed as to perform the folding which is necessary to introduce parts of the material between the two pieces for the purpose of being securely retained.

To enable others skilled in the art to which our invention appertains to fully understand and use the same, we will proceed to describe its construction and operation.

In the accompanying drawings, A represents a flat piece of metal, one side of which may be made perfectly smooth and even to afford a proper bearing for the sand-paper or emery-cloth in the act of rubbing, while the

other side is formed with a raised part, A', constituting a guide for the retaining piece B, which is formed with a corresponding guide-way, B'. The raised part A' is grooved longitudinally to reduce the weight, the design being to adapt the implement to be carried about with and constitute one of a set of carpenter's tools. Cast or formed in one piece with the piece A is a shank, A<sup>2</sup>, which may be set in a haft or handle.

D is a screw conjoined to the piece A. D' is a thumb-nut working on the screw, and employed to hold the two pieces A and B firmly together when the sand-paper or cloth is applied. The piece B is slotted longitudinally, as shown at B<sup>2</sup> B<sup>3</sup>, in order, first, to secure lightness, and, secondly, to permit the part B to be freely slid upon and off of the part A for the purpose to be explained. The slot B<sup>3</sup>, extending to the extremity of the piece B, allows the latter to be slid off without the removal of the thumb-nut D'. The extremities of the parts into which the rear end of the piece B is divided by the slot B<sup>3</sup> are deflected at *b b*, and fingers or prongs *b' b'* are formed on the deflected portions. These fingers *b' b'* are placed at such distance asunder as to slide in contact with the edges of the piece A when the piece B is being moved thereon. The piece B has formed on its back projections or finger-pieces *d*, to afford a ready hold and facilitate its movement.

The manner in which the cloth or paper is applied will be readily understood. The piece B is first slid off the piece A, and the emery-cloth or sand-paper E placed against the smooth face of said piece A, with a part of the material E extending outward at each side of the latter. The fingers *b' b'* are then placed beneath the material at the forward end, and by a slight pressure they bend up the material at the sides so that it rests against the edges of the part A. By now sliding the piece B back upon the piece A the rounded edges of the deflected parts *b* give another bend to the paper, and thus at each side it is folded over and caught between the pieces A and B, the folding being continued until the piece B has slid back to its full extent. The paper may before being applied be cut out so as to fold over at each side as far as the raised part A'. After

the sand paper or emery-cloth has been thus applied the thumb-nut is turned to bring the two pieces tightly together.

It is evident that the face against which the sand-paper or emery-cloth is placed on the piece A may be made angular, round, or of any other form without any departure from the principle of our invention. By such variation in form the instruments are adapted for all kinds of work.

Having thus described our invention, the following is what we claim as new therein and desire to secure by Letters Patent:

1. The employment of two pieces A B, of metal or other suitable material, in connec-

tion with a thumb nut and screw for holding and affording a bearing for sand-paper and emery-cloth, substantially as herein described.

2. The deflected parts *b b* and fingers or prongs *b' b'*, in combination with the guide A' and guideway B', the whole being employed to facilitate the application of the emery-cloth or sand-paper to the holder in the manner herein explained.

JEROME REDDING.  
N. W. REDDING.

Witnesses:

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A. RICHARDSON.