(No Model.)

# R. S. PEABODY.

## GRAVER AND HANDLE.

No. 541,673. Patented June 25, 1895.

*Fig. 2*

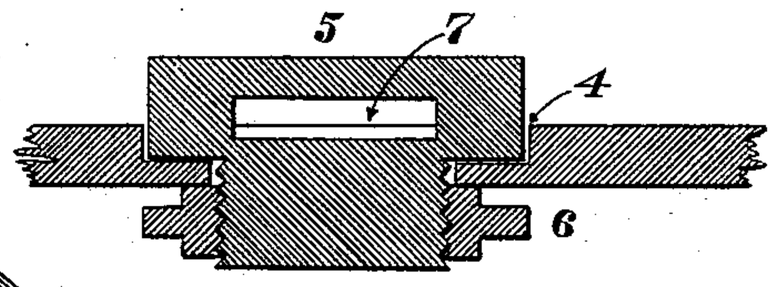
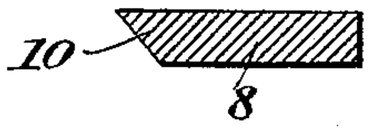






*Fig. 1*

*Fig. 3.*

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# UNITED STATES PATENT OFFICE.

ROBERT SINGLETON PEABODY, OF PHILADELPHIA, PENNSYLVANIA.

## GRAVER AND HANDLE.

SPECIFICATION forming part of Letters Patent No. 541,673, dated June 25, 1895.

Application filed May 14, 1894. Serial No. 511,129. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT SINGLETON PEABODY, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Gravers and Handles Therefor, of which the following is a specification.

The principal objects of my present invention are, first, to provide a convenient and easily manipulated tool especially adapted for use in connection with lathes, and, second, to improve the construction of the handle bar whereby the shank of the graver may be adjustably connected with its intermediate portion and whereby its handles or hand grasps may be of different and convenient forms or contours and are disposed in such manner that they are especially adapted to be conveniently grasped by the hands of the operator and held by him to the best advantages and with great steadiness and firmness.

My invention consists of the improvements hereinafter described, and particularly referred to in the claims, and its nature, characteristic features and scope will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is a perspective view of a tool embodying features of my invention. Fig. 2 is a sectional view taken centrally through and transversely of the handle-bar, not showing the graver; and Fig. 3 is a view, drawn to an enlarged scale and in cross-section, of the graver blade or bar shown in Fig. 1.

In the drawings, 1, is a handle-bar having at its respective ends hand-grasps or handles 2 and 3, of different forms and having, intermediate of its ends, an aperture or opening 4.

5, is a headed and externally threaded post or bolt adapted to be fitted or inserted in the opening or aperture 4, in such manner that its head is disposed at the upper side or face of the handle-bar.

6, is a clamping nut mounted upon the threaded portion of the post or bolt 5, and adapted to be screwed into engagement with the under surface of the handle bar 1, Fig. 2. The head of the post 5, is provided with a slot 7, for the reception of the shank of the graver 8. This slot 7, is located in such manner that when the nut 6, is screwed onto the threaded shank of the bolt and into contact with the under side of the handle bar 1, the graver is clamped upon the face of the handle bar 1, by means of the upper portion or head of the post 5, that lies above the slot 7.

The working portion of the graver 8, is of generally rectangular form and is beveled inward from the top to the bottom and along its end and adjacent side, as indicated at 9 and 10, in Figs. 1 and 3.

The mode of operation of the hereinabove described tool is as follows: The clamping nut 6, may be loosened whereupon the graver 8, may be shifted transversely of the handle bar 1, and also placed, by turning the bolt 5, at any required inclination in respect to the same, whereupon the clamping nut 6, may be screwed into engagement with the under side of the handle bar, thus causing the head of the post or bolt to clamp the shank of the graver 8, firmly to place upon the face of the handle bar. The handle bar 1, may thus be brought into position for permitting the operator to conveniently grasp the handles 2 and 3, in order to make use of the straight cutting edges 9 and 10, or of the cutting point 11, formed at their union; and in this connection it may be remarked that the cutting edge 10, Fig. 3 has been found exceedingly efficient for finishing work and that the cutting edge 9, and point 11, are also very convenient and serviceable. Inasmuch as the handle-bar 1, is susceptible of adjustment in the manner above described, it follows that the handles 2 and 3, may be brought readily into any position required for holding the tool in such manner that the most beneficial results may be obtained from the employment of the cutting parts 9, 10 and 11. Moreover the hand grasp 2, is disposed substantially parallel with the graver 8, and the hand-grasp 3, is disposed substantially at right angles therewith, so that the operator may seize or hold the hand grasp 2, in one of his hands and the hand grasp 3 in the other of his hands and may place one of his thumbs upon the graver. Under these circumstances, the operator may rest his forearms upon the frame of the lathe, and will be

able to perfectly control, firmly hold and accurately guide any of the working portions of the graver in respect to the work.

Having thus described the nature and characteristic features of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A tool comprising a handle-bar having at its ends hand grasps or handles of different forms and having intermediate of its ends a clamp for adjustably supporting a graver having its rectangular working portion beveled inward from the top to the bottom and along its end and adjacent side, substantially as described.

2. A tool comprising, a handle bar having intermediate of its ends a screw clamp for engaging and supporting a graver and having at its ends hand grasps of different forms disposed in the plane of the graver and where-of one is disposed at substantially a right angle to the other, substantially as described.

3. A tool comprising, a handle bar having at its ends handles or hand grasps of different forms and having at its center an aperture, a transversely slotted post or bolt revolubly supported in said aperture, a nut engaging said stud or bolt, and a graver penetrating said slotted stud or bolt and having its rectangular working portion beveled inward from the top to the bottom and along its end and adjacent side, substantially as described.

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

ROBERT SINGLETON PEABODY.

Witnesses:
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