

J. D. & C. W. KENNEDY.
 Combined Implement for Setting the Points and
 Sharpening the Shares of Plows.
 No: 213,664. Patented Mar. 25, 1879.

Fig. 1.

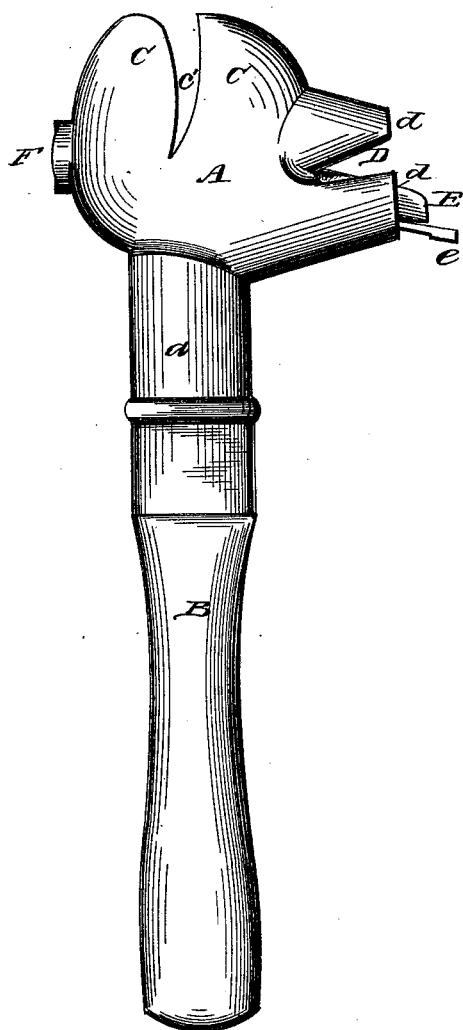
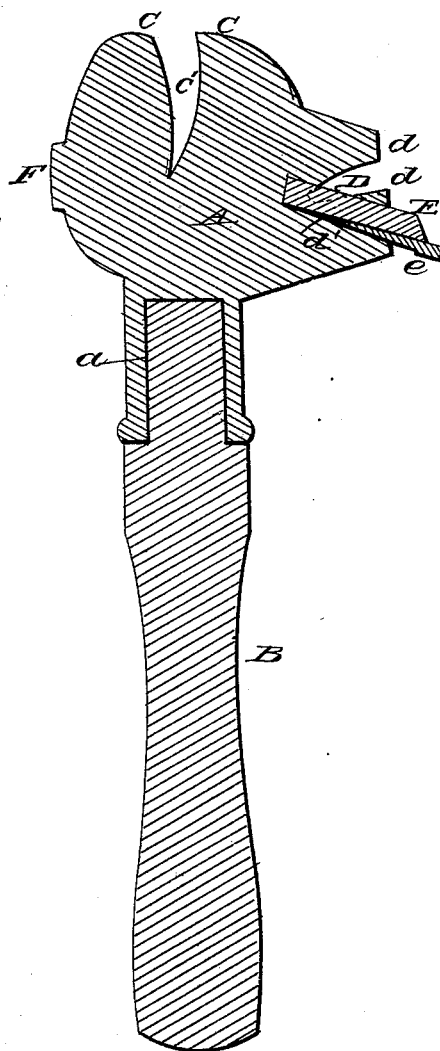


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES D. KENNEDY AND CHARLES W. KENNEDY, OF METROPOLIS CITY,
ILLINOIS.

IMPROVEMENT IN COMBINED IMPLEMENTS FOR SETTING THE POINTS AND SHARPENING THE SHARES OF PLOWS.

Specification forming part of Letters Patent No. **213,664**, dated March 25, 1879; application filed
December 2, 1878.

To all whom it may concern:

Be it known that we, JAMES D. KENNEDY and CHARLES W. KENNEDY, both of Metropolis City, in the county of Massac and State of Illinois, have invented certain new and useful Improvements in a Combined Implement for Setting the Point and Sharpening the Share of a Plow; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of our improved device, and Fig. 2 is a longitudinal vertical section thereof.

Corresponding parts in the two figures are denoted by like letters.

This invention relates to certain improvements in combined implements for setting the points and sharpening the shares of plows, its object being, as its name indicates, to set the point of a plow back to its normal position, or reverse its upwardly-beveling surface when thus perverted by wear, and to enable the sharpening of the share after being dulled from use.

The nature of this invention consists in a metallic head secured upon a suitable handle, which head is provided with a slot forming two jaws for setting or straightening the plow-point, and, further, with an opening which receives a removable and adjustable cutter for serrating or notching the edge of the share when dulled through wear, substantially as hereinafter more fully set forth.

In the drawings, A is a casting, which forms a head of any suitable construction or shape, which is provided with a socket, *a*, for the attachment thereto of a handle, B. The forward part of the head A is provided with two stationary opposite jaws, C C, with a curved separating space or slot, *c'*, between them, the curvature of the upper as well as the lower wall of said space or slot extending rearwardly and downwardly, imparting a like contour to the slot itself.

D is a slot or opening, formed by casting or

constructing the upper or other side of the head A with the horns *d d*, or it may be made to penetrate directly into the head, the manner in which it is supplied to the head being a matter of mechanical expediency. E is a sharpening-instrument, preferably made triangular or three-cornered in cross-section, which is inserted into one of the horns *d*, (which is provided with a correspondingly-shaped socket, *d'*, for its reception,) and through the said horn obliquely into or across the bottom of the slot or opening D, as seen in Fig. 1 and in sectional view in Fig. 2.

The instrument E is removably held in the socketed horn by a wedge or pin, *e*.

The operation of our invention is as follows: To reverse the upwardly-beveled surface of the plow-point, which beveled surface is a perversion of the proper shape of the point, the head A is presented to the point, so as to permit of the insertion of the latter into the slot *c'*, between the jaws C C, when, by striking the end of the handle B, the perverted point will be bent downwardly, and the same thus put into proper working condition again.

The sharpening of a plowshare with our herein-described device consists in serrating the edge thereof, so as to form a series of cutting-points, operating somewhat like the teeth in a saw, which is done in the following manner: For the sake of convenience, the plow is preferably turned with the land-side next to the ground, in which position the edge of the share may readily be inserted between the horns *d d* of the implement. When held in this position the sharpener or cutter E will present one of its edges or corners to the edge of the share, when a light rap with a mallet on the knob F, at the opposite side of the head A, will cause the cutter to make a notch or indentation in the edge of the share. The implement is then shifted a distance of about one-sixteenth of an inch, where this operation is repeated, and so on, until the share has been serrated or notched the entire length of its cutting-edge.

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

The herein-described implement for setting the point and serrating or sharpening the edge of a plowshare, consisting of the handle B, head A, having curved slot *c'* and horns *d d*, forming the slot D, combined with the removable and adjustable cutter E and fastening-wedge *e*, substantially as and for the purpose set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

JAMES D. KENNEDY.

CHARLES W. KENNEDY.

Witnesses:

GEORGE W. HUFFMAN,

SAMUEL L. WELLS.