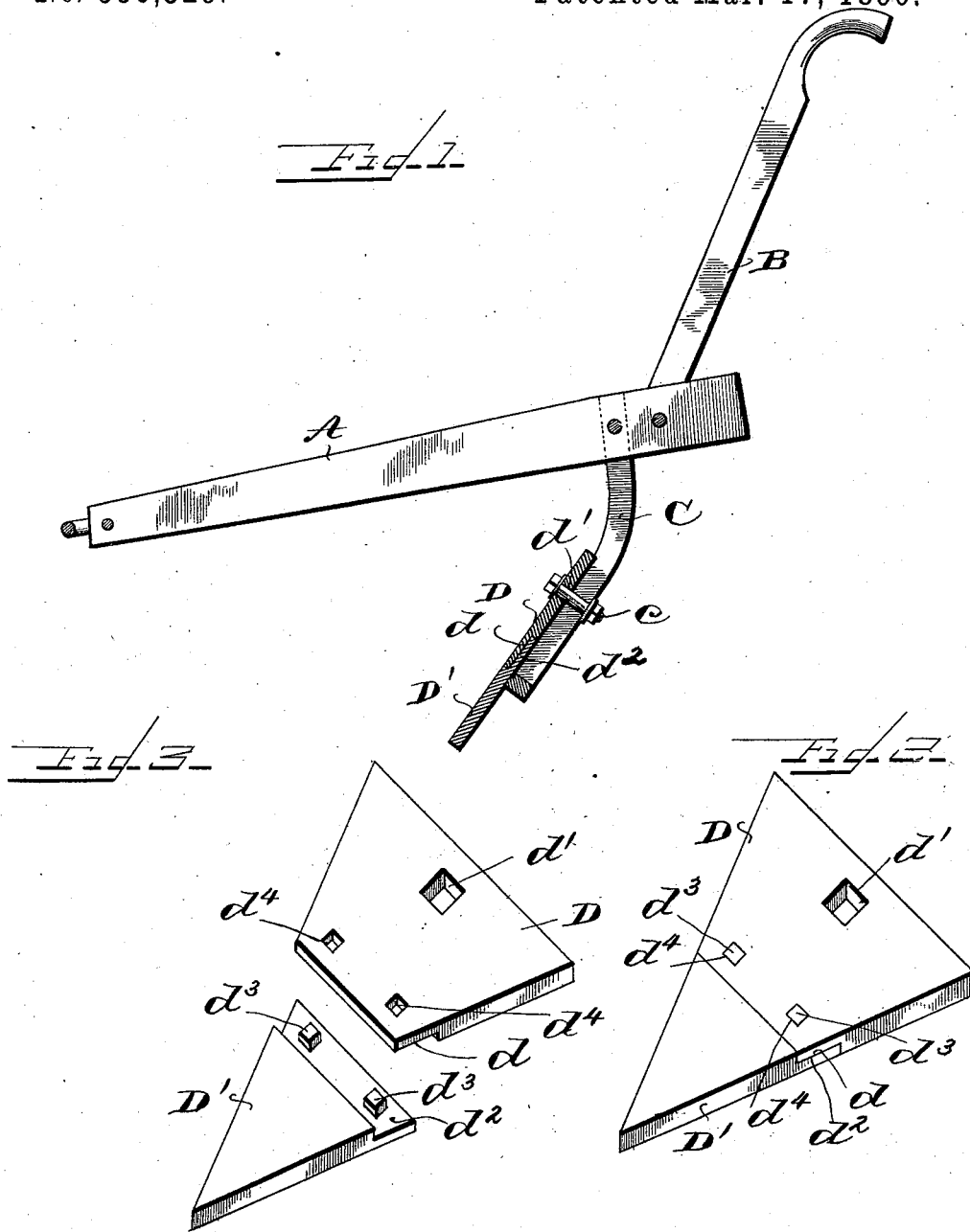


(No Model.)

T. L. BULOW.
SHOVEL PLOW.

No. 556,529.

Patented Mar. 17, 1896.



WITNESSES

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THOMAS L. BULOW, OF RIDGEWAY, SOUTH CAROLINA.

SHOVEL-PLOW.

SPECIFICATION forming part of Letters Patent No. 556,529, dated March 17, 1896.

Application filed October 23, 1895. Serial No. 566,653. (No model.)

To all whom it may concern:

Be it known that I, THOMAS L. BULOW, a citizen of the United States, residing at Ridgeway, in the county of Fairfield and State of South Carolina, have invented certain new and useful Improvements in Shovel-Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention consists in the novel features hereinafter described, reference being had to the accompanying drawings, which illustrate one form in which I have contemplated embodying my invention, and said invention is fully disclosed in the following description and claims.

Referring to the said drawings, Figure 1 represents a view, partly in section, of a shovel-plow embodying my invention. Fig. 2 is a detail perspective view of the plow-blade. Fig. 3 is a similar view showing the point detached.

In the use of shovel-plows it is found that the points wear much more rapidly than other parts of the blade, and it frequently happens that the point of a plow becomes worn off too far for effective work, while the remainder of the blade is in good condition. This requires the renewing of the whole blade, which is expensive, and it also necessitates great loss of time, as the person using the plow is generally at a considerable distance from any place where new blades can be obtained.

The object of my invention is to provide a shovel-plow with a detachable point which can be kept in stock by the owner of the plow, the said point being so easily attachable that it can be done in a very few moments by any person of ordinary intelligence without the use of special tools.

In the drawings, A represents the beam of a shovel-plow; B B, the handles, and C the depending standard, which is formed of parallel portions of metal or a single slotted bar, as desired, to allow for the vertical adjustment of the shovel-blade.

D represents the main portion of the shovel-blade, which is formed preferably as shown and has its lower edge provided with the rabbeted portion d on its under side. The blade is also provided near its upper edge with a

bolt-hole d' , preferably square or polygonal in cross-section.

D' is the plow-point, which is constructed so that its lateral edges form continuations of the edges of the upper part of the blade, and its upper edge is provided with a rabbet d^2 on the front or outer face to fit the rabbeted portion of the main blade. The rabbeted portion of one of the parts is provided with lugs $d^3 d^3$, (preferably polygonal or square in cross-section,) which engage similar apertures $d^4 d^4$ in the other part. In this instance I have shown the point provided with the projections $d^3 d^3$. These projections are preferably two in number and are arranged on opposite sides of the center of the point; but the number may be increased, if desired.

To place the blade on the standard C, the two parts of the blade are placed together, as shown in Figs. 1 and 2, the projections d^3 of the point fitting the aperture d^4 of the main part, the main part of the blade overlapping the rabbeted portion of the point. The blade is then placed on the front side of the standard C and secured by means of a bolt c and nut passing through the slotted central portion of its standard.

If a point becomes broken or too much worn while the plow is in use, it will require only a moment to remove it by simply loosening bolt c , when a new point can be replaced and the plow will be as good as it was originally. This enables the blades to be very quickly repaired and at a very small cost, as the points can be manufactured for a small sum compared to the price of the entire blade.

What I claim, and desire to secure by Letters Patent, is—

1. A blade for a shovel-plow comprising the main body provided with a rabbeted portion underneath its lower edge, the point provided with a similar rabbeted portion to fit the rabbeted portion of the main body, one of said rabbeted portions being provided with projections for engaging apertures in the other part, substantially as described.

2. In a shovel-plow the combination with the standard, of the shovel-blade comprising the main body having its lower edge provided with a rabbeted portion on the side adjacent to the standard having a series of apertures therein, and a detachable point having a rab-

beted portion to engage the main body, provided with lugs to engage said apertures and a securing-bolt for clamping said main body to the standard, substantially as described.

5 3. In a shovel-plow the combination with the standard, of the shovel-blades comprising the main body having a rabbeted portion in the side adjacent to the standard, provided with a series of apertures, a detachable point
10 having a rabbeted portion lying between the rabbeted portion of the main body and said

standard and provided with lugs for engaging said apertures and clamping means engaging the main body of the blade and the standard for securing said main body and
15 point in position, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS L. BULOW.

Witnesses:

J. M. WILSON,
W. E. BAXTER.