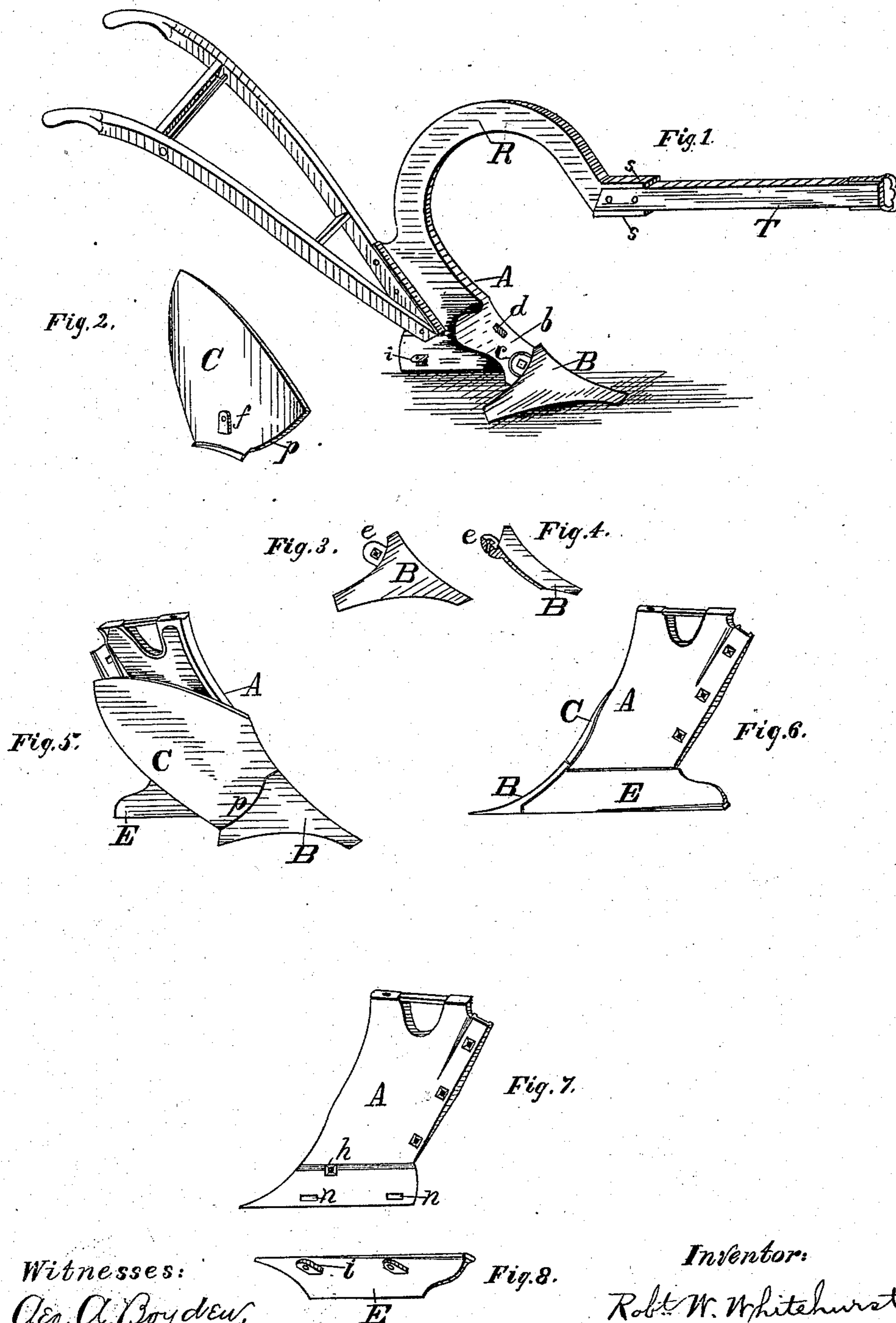


R. W. WHITEHURST.  
Plow.

No. 224,753.

Patented Feb. 17, 1880.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

ROBERT W. WHITEHURST, OF NORFOLK, VIRGINIA.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 224,753, dated February 17, 1880.

Application filed December 10, 1879.

*To all whom it may concern:*

Be it known that I, ROBERT W. WHITEHURST, of the city of Norfolk and State of Virginia, have invented a new and useful Improvement in Plows, of which the following is a specification.

My invention relates to certain improvements in plows, and has for its object to secure the point or share and mold-board to the foot of the plow in such manner that no bolt-head will be exposed to the wearing-surface.

I am aware that the working parts of plows have heretofore been constructed in a variety of ways to obviate the exposure on the wearing-surface of bolt-heads; and I do not claim to be the first to invent means to accomplish the said object.

My invention therefore consists in the special instrumentalities hereinafter described and claimed.

In the drawings hereto annexed, Figure 1 is a view of a plow embodying my improvements. Fig. 2 is an inner side view of mold-board. Fig. 3 shows the share and point. Fig. 4 is a section of the same. Fig. 5 is a mold-board-side view of the iron parts of a plow embodying the first feature of my invention. Fig. 6 is a land-side view of same. Fig. 7 shows the land-side view of standard with land-side removed. Fig. 8 shows the land-side piece inverted and exposing its inner side.

The letter A designates the standard, provided with the foot *b*, which projects laterally from its front edge, and is adapted to support the mold-board and share. This foot has on its outer face a concave socket, *c*, and just above the socket an opening, *d*, which is in line with the inner surface of land-side part of the standard.

The share B is provided on its lower surface with a lug, *e*, which projects above its upper edge. The upper face of this lug is on a plane with the lower surface of the share, and the lower side of said lug is convex (see Fig. 4) and of size to fit within the concave socket on the foot. Thus the upper face of the lug becomes flush with the outer face of the foot. A countersunk bolt-hole is formed in the lug to admit a bolt which passes through the foot, on the under side of which it is secured by a nut.

The mold-board C is provided on its inner or lower side with a lug, *f*, which is adapted to pass through and fit in the opening *d* in the foot. The part of this lug which projects below the foot is in contact with the inner surface of the land-side part of the standard. A countersunk bolt-hole, *h*, is formed on the outer side of the land-side part of the standard, and coincides with a bolt-hole in the lug *f*.

The land-side piece E is provided on its inner face with two lugs, *i*, through each of which is a bolt-hole, and these lugs pass through holes *n* formed in the side near the bottom of the standard, and when in place the land-side E will cover the bolt-head in the hole *h*.

To put together the parts of the plow constructed as described, the point and share B is placed with its lug *e* in the socket *c* and bolted fast. The mold-board is then placed in position with its lug *f* passed through the opening *d* and bolted fast. Thus the part *p* of the mold-board will cover the bolt which passes through the lug *e* of the share. The land-side is next placed in position and bolted, and thus covers the head of the bolt which secures the mold-board.

As shown in the drawings, the standard A may be constructed so as to permit the beam to be secured directly on top thereof, as may be done with the form shown in Figs. 5 and 6, and the end of the beam in such case may be secured to one of the handles; but the second part of my improvement contemplates that the standard shall extend upward and form a curve, R, projecting forward and downward, and thence extending horizontally forward, terminating in a socket or with flanges S, in which the wood beam T may be secured. By this peculiar construction of standard unusual space in the vertical direction is provided above the cutter and between it and the beam proper, thus obviating the liability of vines or other trash to choke the plow, and at the same time the plow-beam is maintained at its proper height.

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

1. In a plow, the herein-described means for securing the point or share and mold-board, consisting in a socket, *c*, on the outer face of

the standard-foot, and an opening, *d*, through  
the same in line with the inner surface of the  
land-side part, and the share having a lug, *e*,  
projecting above its upper edge and adapted  
5 to fit within the socket and there be bolted,  
leaving the upper face of the lug flush with  
the outer face of the foot, and the mold-board  
having on its lower side a lug, *f*, provided with  
a bolt-hole and adapted to fit in the opening  
10 *d* through the foot, on the lower side of which  
it is secured by a bolt entering the hole *h* in  
the land-side part, as shown and described.

2. In a plow, the means for avoiding the ex-  
posure of bolt-heads, consisting in a socket, *c*,  
15 on the outer face of the standard-foot, and an  
opening, *d*, through the foot in line with the

inner surface of the land-side part, and the  
share having a lug, *e*, projecting above its up-  
per edge and adapted to fit within the socket,  
leaving the upper face of the lug flush with 20  
the outer face of the foot, and the mold-board  
having on its lower side a lug, *f*, provided with  
a bolt-hole and adapted to fit in the opening  
*d* through the foot, on the lower side of which  
it is secured by a bolt entering the hole *h* in 25  
the land-side part of standard, and the land-  
side E, secured to the standard so as to cover  
the bolt in the hole *h*, as shown and described.

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Witnesses:

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