

No. 666,195.

Patented Jan. 15, 1901.

W. H. HORNSBY,
PLOW ATTACHMENT.

(Application filed Oct. 1, 1900.)

(No Model.)

Fig. 1.

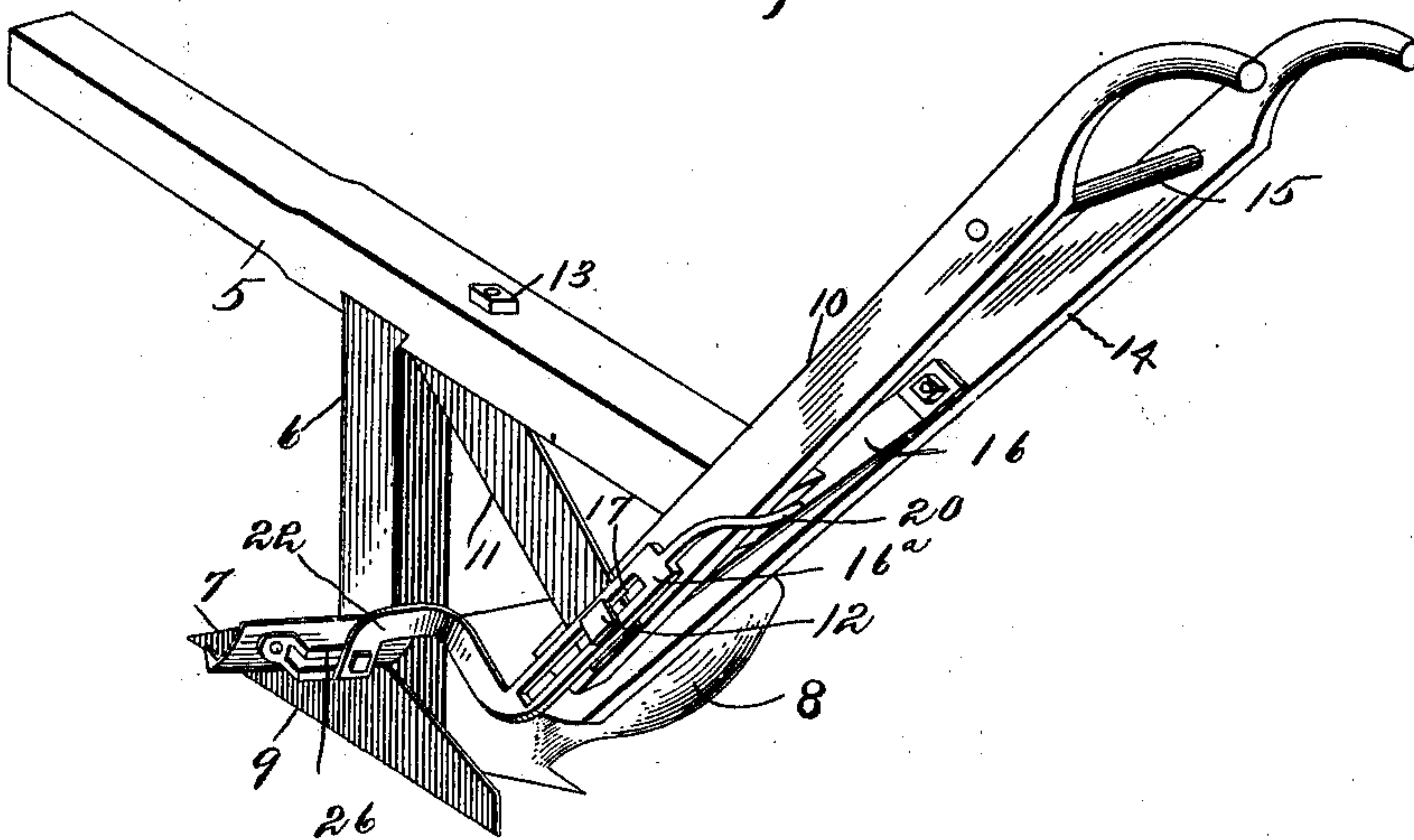


Fig. 2.

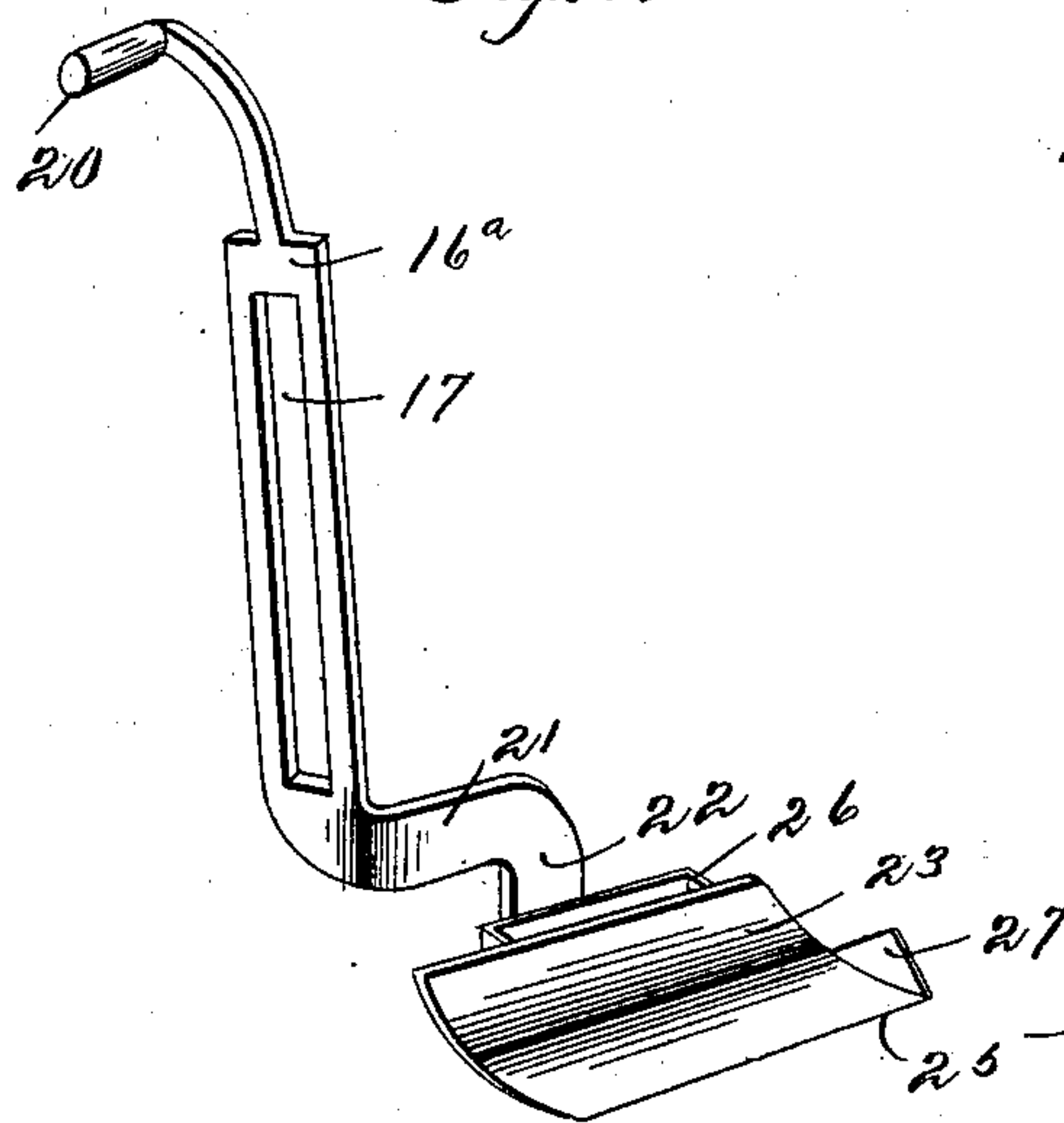
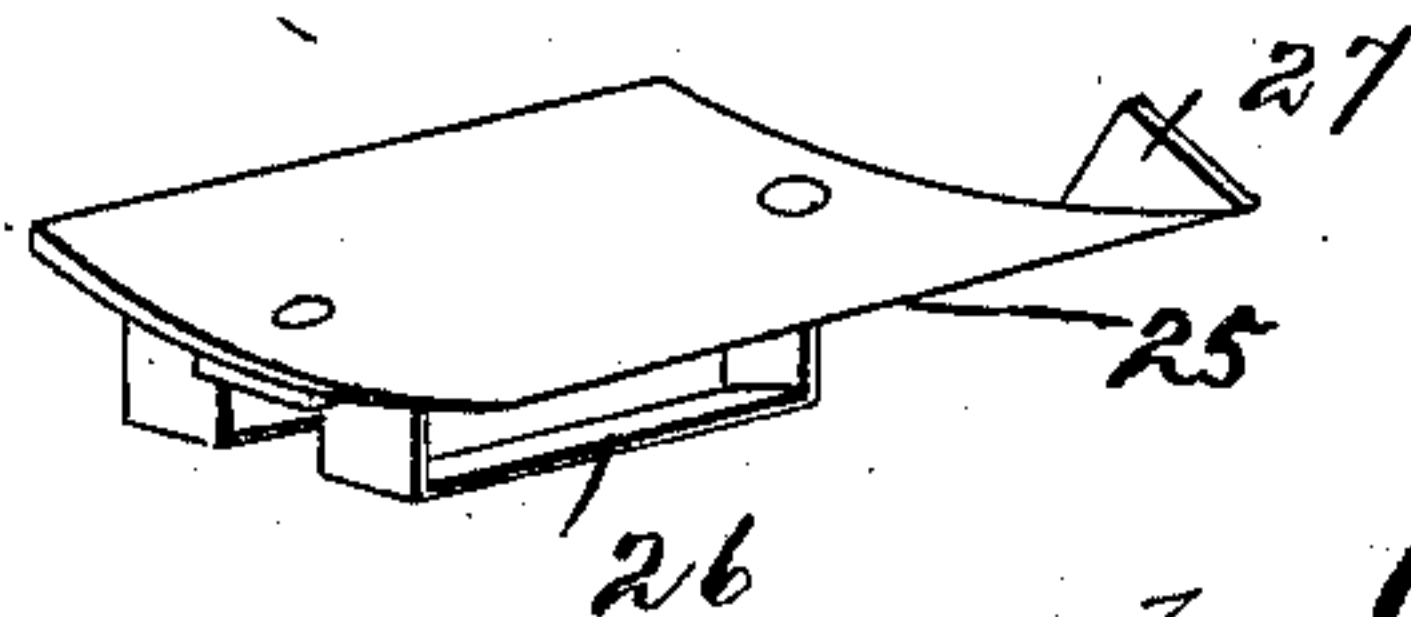


Fig. 3.



Witnesses
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PLOW ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 666,195, dated January 15, 1901.

Application filed October 1, 1900. Serial No. 31,687. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. HORNSBY, a citizen of the United States, residing at Branch, in the parish of Acadia and State of Louisiana, have invented certain new and useful Improvements in Plow Attachments; 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.

This invention relates to plows in general, and more particularly to that class used for breaking such ground as is rough and overgrown, the object of the invention being to provide a construction of plow and an attachment therefor which will have a scraping action and will clear the unbroken ground of weeds and other obstructions, so that each furrow will be made in smooth ground and the field when plowed will have an even and well-plowed appearance.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a perspective view of a plow, showing the rear and the landside thereof, the scraper attachment being in place. Fig. 2 is a perspective view of the scraper attachment removed from the plow. Fig. 3 is a perspective view showing the scraper-blade.

Referring now to the drawings, 5 represents the beam of a plow, from which depends the standard 6, having the blade 7 of the plow secured thereto in the usual manner, said blade consisting of the usual share, colter, mold-board 8, and landside 9.

One handle 10 of the plow is mortised onto the rear end of the plow-beam 5 and extends above and below said beam, the lower end of the handle being connected with the under face of the beam directly in the rear of the standard by means a brace-plate 11, one end portion of which is bolted against the outer face of the lower portion of the handle, while the opposite end is turned laterally and is bolted against the under side of the beam, said bolts being shown at 12 and 13, respectively. The second handle 14 is connected at its lower end with the rear side of the mold-board 8 and has connection also with the handle 10 by means of a cross-rung 15. A

brace-plate 16 is bolted against the inner face of the second handle, while its opposite end is secured against the adjacent face of the handle 10 by means of the bolt 12.

The scraper attachment comprises a bracket 16^a, having a slotted central body portion 17 in the form of a flat plate and which is disposed to lie flat against the outer face of the handle 10 at the lower portion thereof. Said body portion of the plate is held against the handle 10, by means of the bolt 12 above referred to and which is engaged with the slot of the plate, whereby when the bolt is loosened the bracket may be raised and lowered. The upper end of the bracket is in the form of a finger 20, which is extended from the body portion upwardly and diagonally of the handle 10, the upper end thereof being bent around the handle and then turned to lie transversely against the rear side thereof; whereby rearward pressure against the lower end of the bracket will be effectively resisted.

The lower end of the bracket consists of an arm 21, which extends laterally and forwardly from the lower end of plate 17 and is then curved outwardly, the extremity thereof having a depending lug 22, to which the scraper-blade 23 is directly attached. This scraper-blade consists of a rhomboid of steel, which is bowed and which is disposed with its longer diameter horizontally, the lower edge thereof being sharpened to present a cutting edge 25, as shown. A U-shaped plate 26 is riveted to the back of the scraper-blade and is slotted longitudinally, and with this slot is engaged a bolt which is passed through the lug 22 for holding the blade in proper position, it being seen that when the bolt is loosened the scraper may be moved transversely of the plow and may be tilted to any desired angle or brought to lie horizontal, as preferred. At the lower outer corner of the blade is formed a flange 27, which divides the cut weeds from the uncut weeds, as will be readily understood. With this construction it will be seen that the scraper-blade may be adjusted to any desired position to secure the best results under different conditions and that while it is efficient and durable it is cheap of manufacture and may be applied to any form of plow within wide limits.

It will be understood that modifications may

be made without departing from the spirit of the invention. Furthermore, it will be noted that the scraper is disposed to project from the land side of the plow, so that it treats the

5 ground before the furrow is made therein.

What is claimed is—

1. A scraper attachment for plows comprising a slotted plate having an upwardly-extending finger at one end, the free extremity
10 of which is turned laterally, the opposite end of the plate having a laterally and outwardly bent arm provided with a depending terminal lug, and a scraper-blade connected with the
15 said blade having a forwardly-directed flange at its outer end.

2. A scraper attachment for plows comprising a slotted plate having a longitudinally-extending finger at one end, the extremity of
20 which is bent laterally, a laterally and outwardly curved arm at the opposite end of the plate and having a depending lug provided with a perforation, a bowed scraper-blade having a slotted plate secured to its rear face,
25 and a bolt engaged with the slot and with the

perforation of the lug to permit of slidable and rotatable adjustment of the blade.

3. The combination with a plow comprising a beam, a handle connected with the beam and extending therebelow, a slotted plate, a
30 bolt passed through the slot of the plate and the depending portion of the handle, said plate having an upwardly-extending finger bent to lie transversely of the rear of the handle, a
35 laterally and forwardly bent arm at the lower end of the plate, and a scraper-blade connected with the end of the arm and adapted for slidable and rotatable adjustment with
respect thereto, whereby the blade may be
40 raised and lowered, may be projected laterally from the plow and may be brought to the
desired angle to the earth.

In testimony whereof I hereunto sign my name, in the presence of two subscribing witnesses, on this 15th day of August, 1900. 45

WILLIAM H. HORNSBY.

Witnesses:

J. B. GARDINER,
FABIUS DUPRE.