

(No Model.)

2 Sheets—Sheet 1.

A. S. SEELEY.  
PLOW.

No. 500,691.

Patented July 4, 1893.

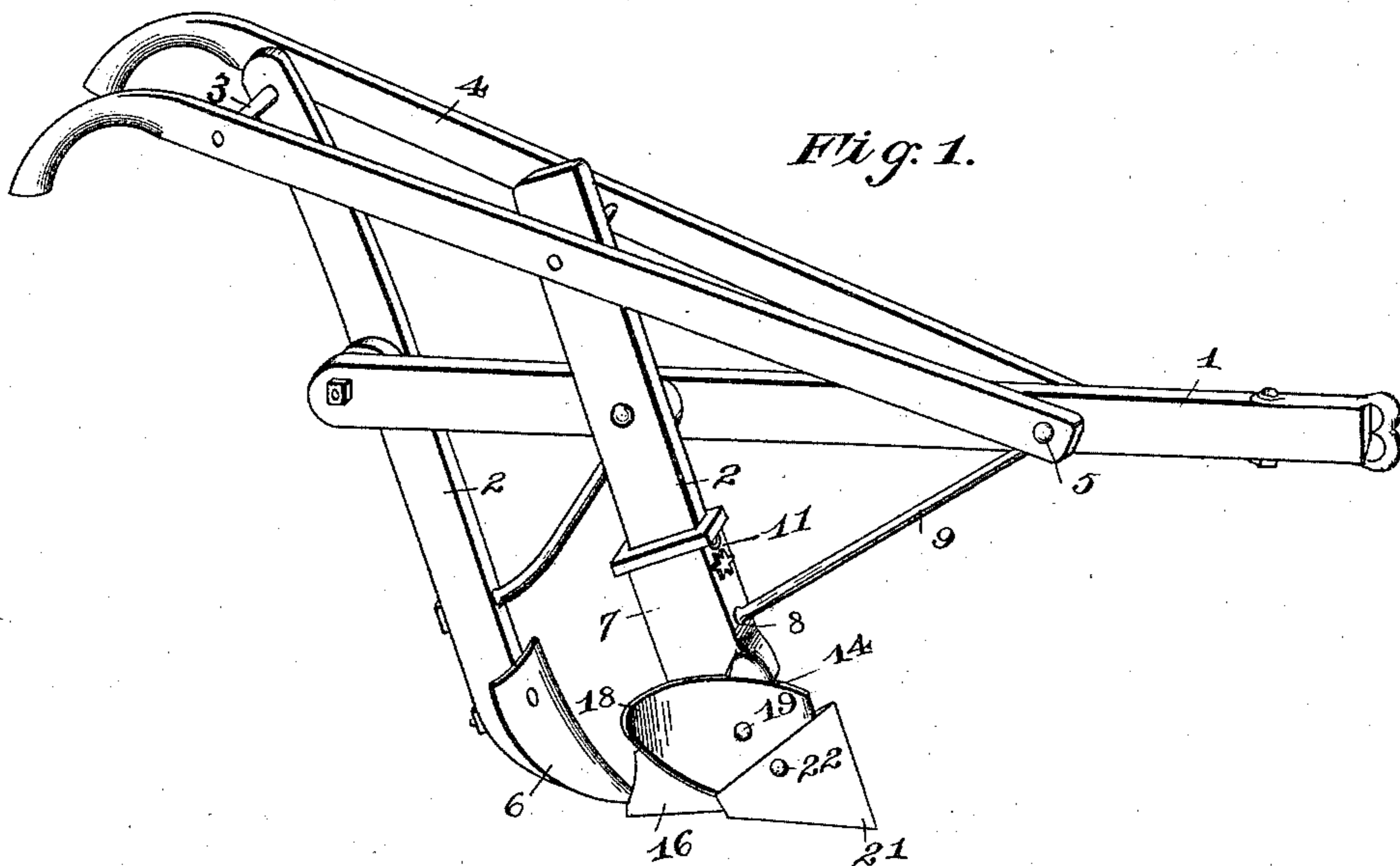


Fig. 1.

Fig. 2.

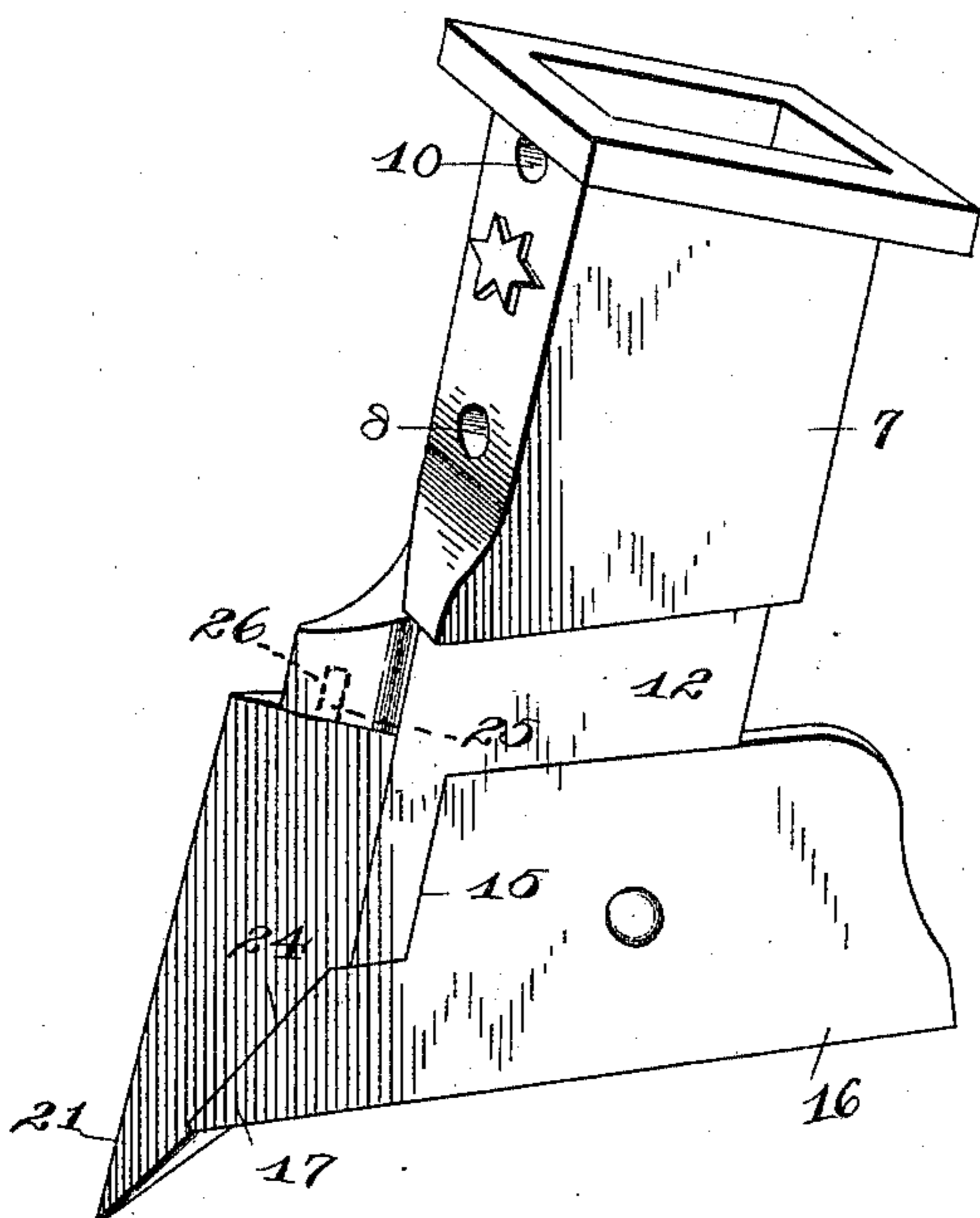
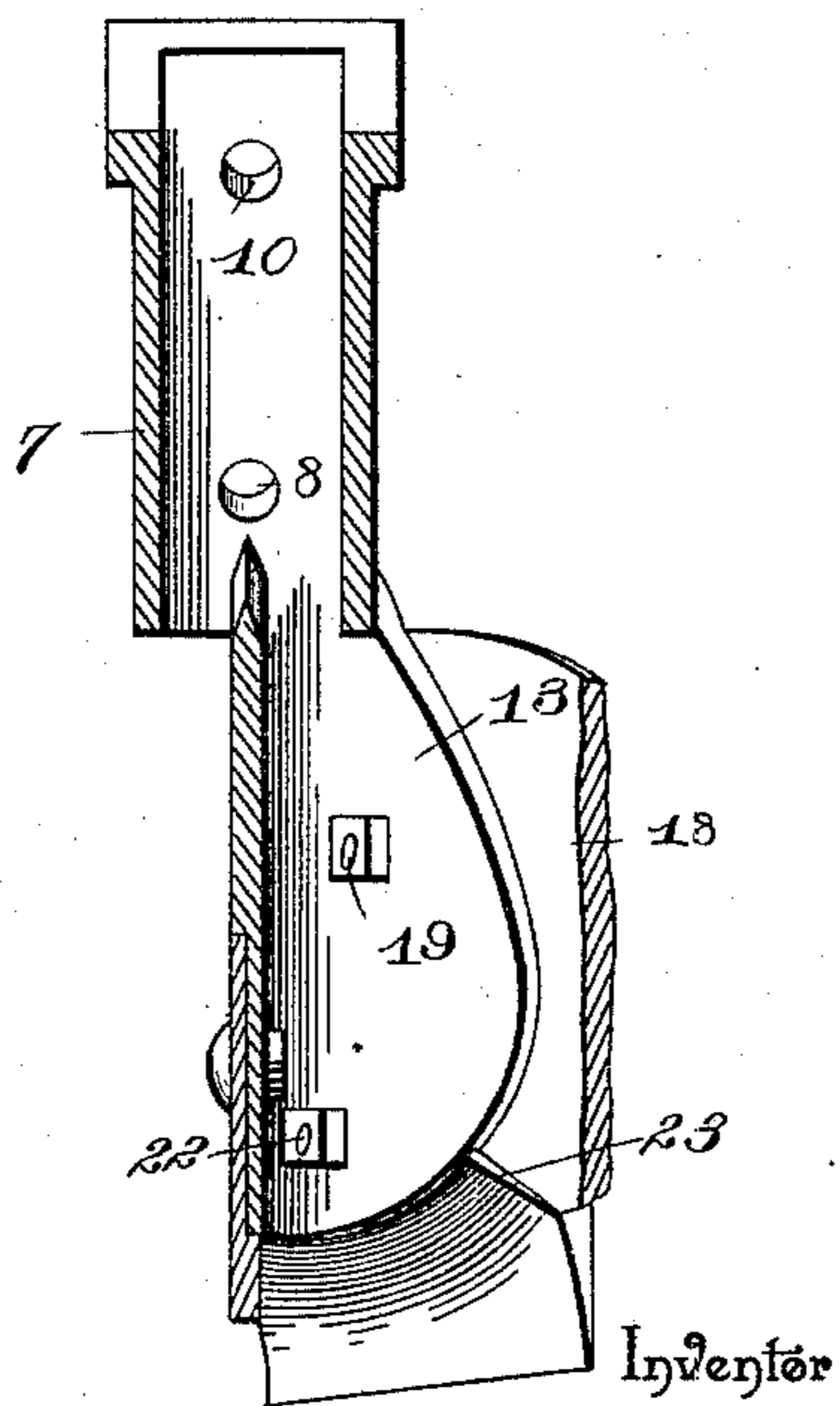


Fig. 3.



Witnesses

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Fig. 4.

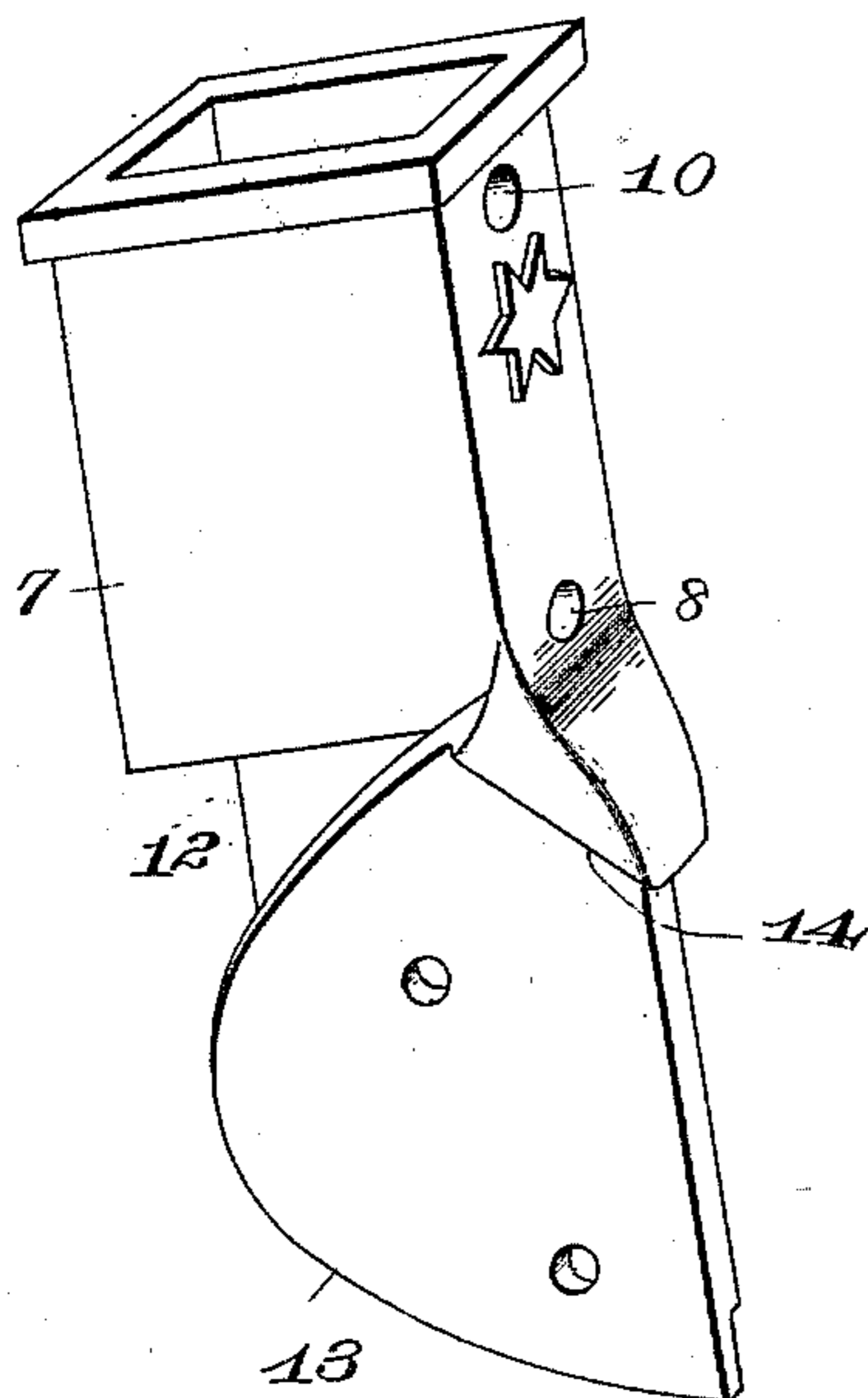


Fig. 5.

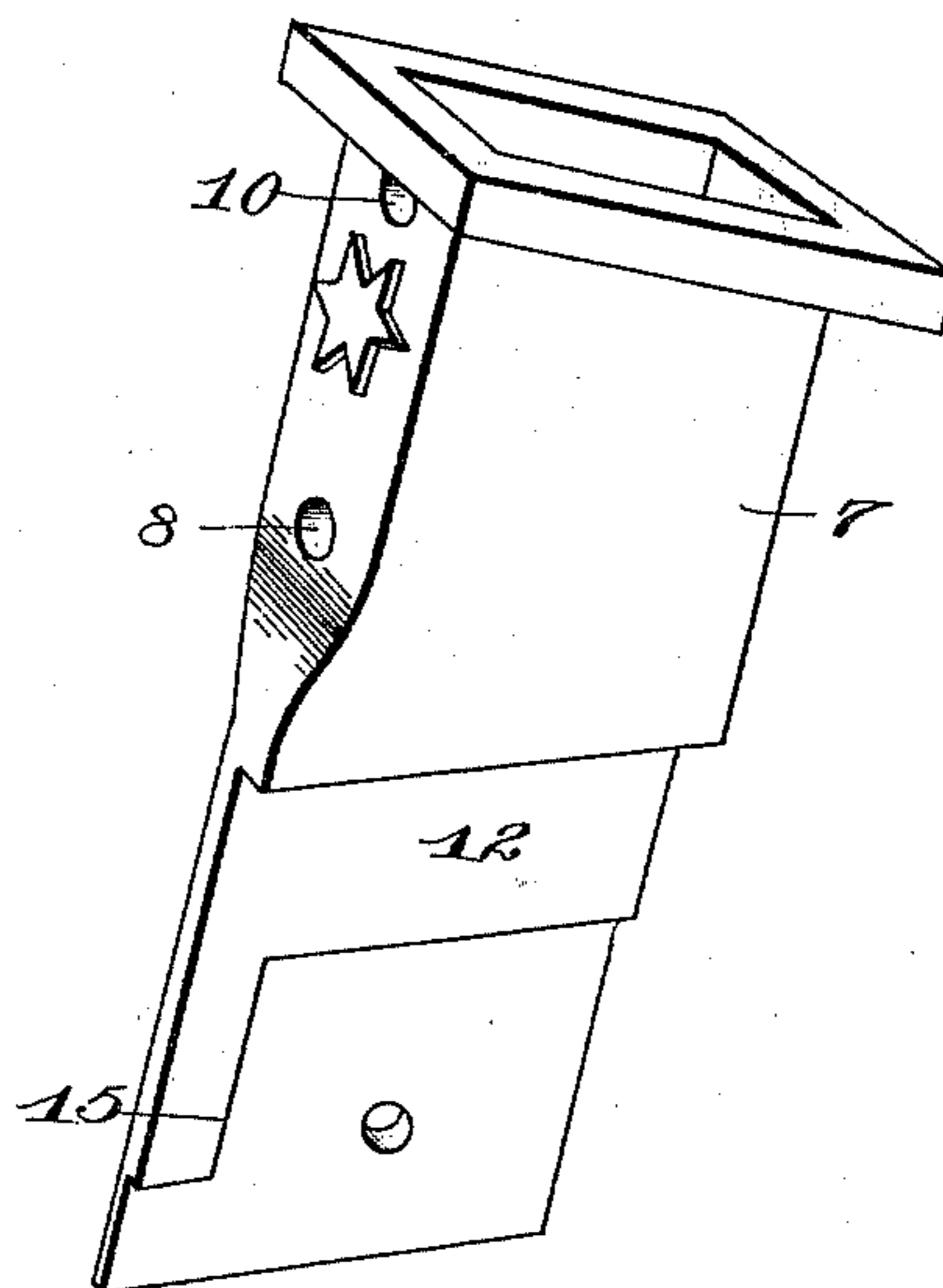
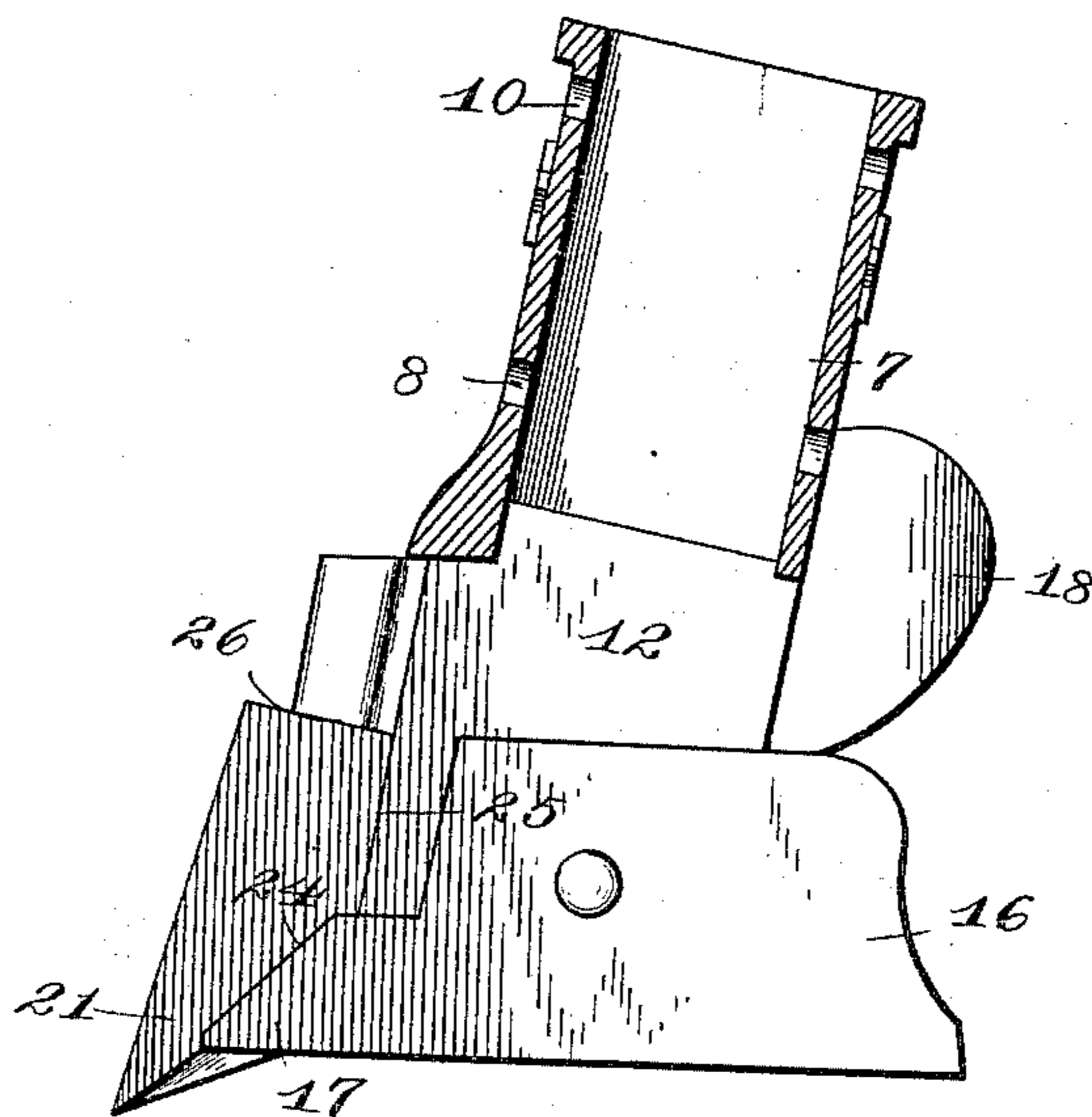


Fig. 6.



Witnesses

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Inventor

*Almeron S. Seeley,*

# UNITED STATES PATENT OFFICE.

ALMERON S. SEELEY, OF EVERETT, MICHIGAN.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 500,691, dated July 4, 1893.

Application filed April 8, 1893. Serial No. 469,594. (No model.)

*To all whom it may concern:*

Be it known that I, ALMERON S. SEELEY, a citizen of the United States, residing at Everett township, in the county of Newaygo and State of Michigan, have invented a new and useful Plow, of which the following is a specification.

My invention relates to improvements in plows for cultivators; and the objects in view are to produce a cheaply and simply constructed, as well as durable, cultivator, adapted to be applied to double or single-shovel plows for the purpose of cultivating various crops, such as corn, cotton, &c.

With these objects in view the invention consists in certain features of construction hereinafter specified and particularly pointed out in the claims.

Referring to the drawings: Figure 1 is a perspective view of an ordinary double-shovel cultivator, the same being provided with a plow constructed in accordance with my invention. Fig. 2 is a detail in perspective of the plow. Fig. 3 is a transverse vertical section thereof. Fig. 4 is a detail of the standard and foot. Fig. 5 is a similar view at the opposite side thereof. Fig. 6 is a longitudinal sectional view.

Like numerals of reference indicate like parts in all the figures of the drawings.

Although I have herein illustrated the plow-attachment in connection with the frame of an ordinary double-shovel cultivator, yet it will be understood that the same may be employed in connection with any frame either in a gang or a single plow. In the present instance, 1 designates the usual beam, and 2 the front and rear standards bolted to opposite sides of the beam, having suitable braces, and their upper ends perforated to receive the rungs 3, which pass through the handles 4, which at their lower ends are bolted, as at 5, to the beam 1. The rear standard 2 has the usual shovel 6, which, however, has been removed from the front standard and in lieu thereof is employed my attachment.

The attachment comprises the hollow socket standard 7, the same being rectangular in cross-section and of such shape as to receive the lower end of the standard 2, and is provided near its middle with an opening 8, through which passes the rear end of an

inclined brace-rod 9, the front end of which is secured to the beam 1. The front face or wall of the socket-standard has a perforation 10, and through the same is passed a screw 11 which takes into the front side of the standard 2. Formed integral with the socket-standard at the bottom thereof, extending longitudinally across the same, and a short distance thereinto, is a web or foot 12, which is provided at the moldboard-side with the wing 13, which has formed near its upper edge an inclined shoulder 14. The web or foot 12 has its outer face provided with an L-shaped recess 15, and in the same is seated the landside 16, which has its inner face likewise recessed, the same having a front extension 17 that projects in advance of the front edge of the foot or web 12 and is bolted to said foot or web by one or more bolts 13. The moldboard 18 is located upon the wing 13 and is secured thereto by bolts 19, the upper edge of the moldboard fitting under the inclined shoulder 14. The front end of the moldboard is thickened and a portion of the stock overlaps the front edge of the web or foot 12. Secured to the wing 13 is the point 21, a bolt 22 passing therethrough into said wing. The point is provided upon its inner side with a rib 23 which receives the under side of the wing, and at its landside is provided with a recess 24, which receives the front extension of the landside 16. The upper side of the point is provided with a tenon 25, which takes into a mortise 26 formed in the thickened front extension of the moldboard. The lower edge of the point is beveled from its rib downward, terminating therefore in a reduced edge which extends slightly below the corresponding edge of the landside.

From the foregoing description in connection with the drawings it will be seen that I have provided a plow whose component parts may be conveniently manufactured, assembled, and replaced when worn, the cutting-point of the plow being located in the longitudinal center of the socket-standard. By the peculiar fitting of the parts together, as herein shown, the plow as a whole has the same rigidity as if integrally formed or its parts welded, and yet at the same time should any become impaired they may be readily removed and replaced. It will be seen that each part

in a manner strengthens or forms an abutment of some kind for the other, so that the parts combine with each other in a peculiar manner lending great efficiency; and the latter abuts against the under side of the moldboard. The under side of the wing abuts against the rib on the inner side of the point, and the recesses formed in the outer face of the web and the inner face of the landside interlock so as to produce a practically plain face, the landside extending from the socket-standard to the lower edge of said landside, the point taking in front of the extension 17 of the landside.

15 Having described my invention, what I claim is—

1. In a plow, the combination with the standard-receiving socket terminating at its lower end in a depending web provided at one side 20 with a wing, of a landside secured to one side of the web, a moldboard secured to the wing, a point secured to the wing under the moldboard and having its upper side provided with a tenon engaging with the mortise formed in the moldboard, and its rear edge recessed to receive the front end of the land-side and extending below the same, substantially as specified.

2. In a plow, the combination with the standard-receiving socket having a lower web or extension provided at one side with a wing, of a moldboard secured to the wing and having its upper edge abutting against the under side of the socket, its front end overlapping the front edge of the web and provided upon its under side with a mortise, a point below the moldboard secured to the wing and having its front edge extending in advance of the same and provided upon its upper side with a

tenon engaging the mortise, and at its inner side near its lower edge with a recess, a recess formed in the landside face of the web, and a recessed landside secured in the recess and having a front extension taking into the rear recess of the point, substantially as specified. 45

3. The combination with a hollow socket having at its lower end the centrally-located depending recessed web provided at one side with a wing, of the landside bolted in the recess and likewise recessed to receive the web 50 and provided with a front extension, the moldboard bolted to the wing and having its front end thickened to take over the front edge of the web and provided upon its under side with a mortise, and the point bolted to the wing 55 below the moldboard and provided upon its upper side with a tenon engaging the mortise, in rear of its extreme front end with a recess-receiving the extension of the landside, and upon its inner face near its lower beveled edge with a rib receiving the under side of the wing, substantially as specified. 60

4. In a plow, the combination with the standard-receiving socket terminating at its lower end in a depending web provided at one side 65 with a wing, of a landside secured to one side of the web, a moldboard secured to the wing, and a point secured to the wing under the moldboard and having its upper side provided with a tenon engaging with the mortise formed in the moldboard, substantially as specified. 70

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ALMERON S. SEELEY.

Witnesses:

WM. HAGEN,

T. F. STAERMAN.