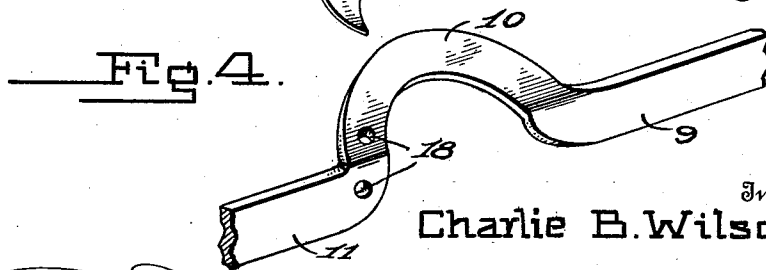
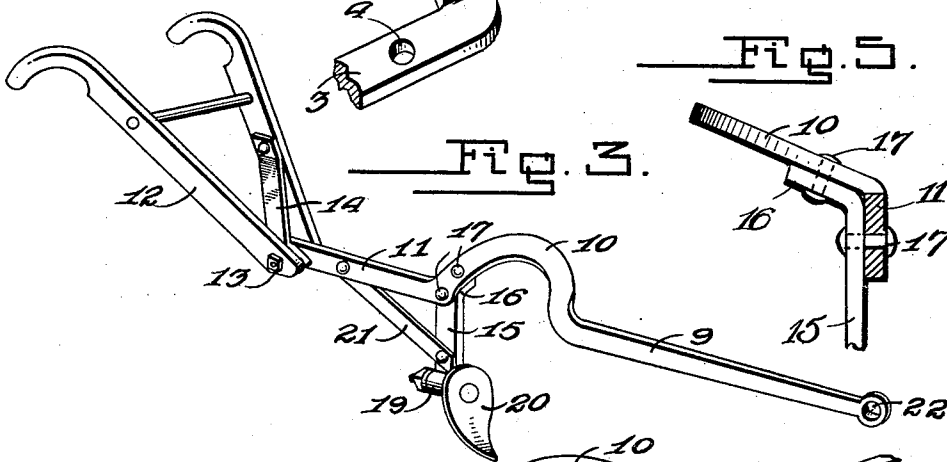
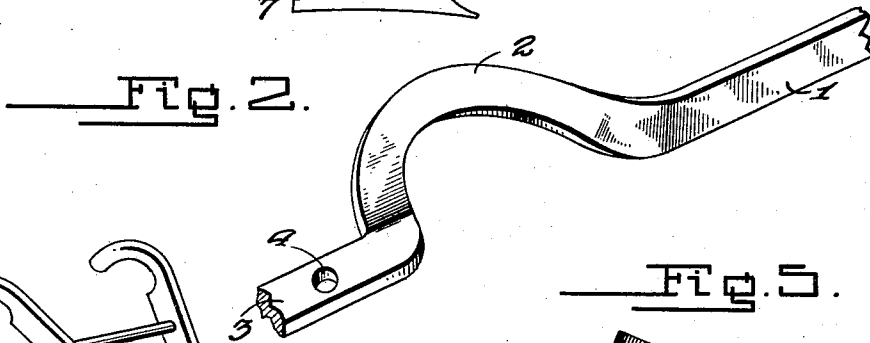
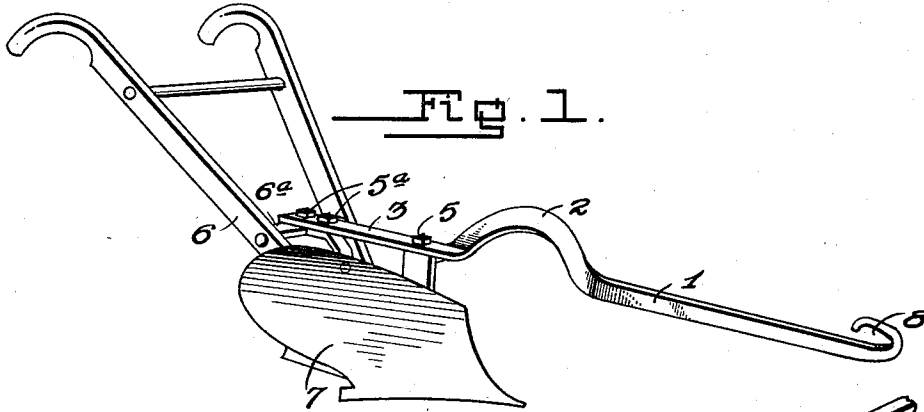


C. B. WILSON.
 PLOW BEAM,
 APPLICATION FILED JULY 23, 1910.

1,011,690.

Patented Dec. 12, 1911.



Inventor
 Charlie B. Wilson,

Witnesses

Everett Lancaster,
 R. J. Woodward,

By E. C. Vrooman,
 his Attorney.

UNITED STATES PATENT OFFICE.

CHARLIE B. WILSON, OF BARTOW, FLORIDA.

PLOW-BEAM.

1,011,690.

Specification of Letters Patent.

Patented Dec. 12, 1911.

Application filed July 23, 1910. Serial No. 573,488.

To all whom it may concern:

Be it known that I, CHARLIE B. WILSON, a citizen of the United States of America, residing at Bartow, in the county of Polk and State of Florida, have invented certain new and useful Improvements in Plow-Beams, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to plows, and the principal object thereof is to provide a novel beam whereby there will be no danger of the earth choking between the beam and the plow, thereby causing loss of time.

This invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view of a plow fitted with my improved beam. Fig. 2 is an enlarged view of a portion of the beam, showing the construction of the curved part. Fig. 3 is a perspective view of a plow supplied with a modified form of the beam. Fig. 4 is an enlarged view similar to Fig. 2, showing a modified form of the beam. Fig. 5 is a transverse sectional view of the plow beam, showing the angle of the portion 2. This angle is the same in both forms.

Referring to the accompanying drawings by numerals, 1 indicates a plow beam which is formed from a single piece of material and is provided intermediate its length with an outwardly-curved portion 2; the advantage of this structure will be brought out hereafter. The rear end of the beam is bent at approximately right angles to the portion 1 and is provided with openings 4 to permit the passage of bolts 5 to secure it to the frame 6, on which the blade 7 is mounted. The rear end of the beam is mounted upon a substantially T-shaped bracing member 6^a by means of the bolts 5^a, the forward end of said bracing member being curved downward and secured to the upper portion of the plow blade. The portion 2 is bent at an angle of about 20° to one side of the portions 1 and 3; of course, this angle may be increased or decreased as the occasion requires. Said portion 2 of the beam comes

directly over the end of the plow blade and it will be seen that, by means of this construction, when in use the dirt which is turned up by the blade has a clear passage under the beam, and, therefore, does not have any tendency to choke and thereby cause the plow to work very hard and also cause loss of time by having to stop and clean the plow. The forward end of the beam is provided with a hook 8 to which is connected the draft appliance.

In Figs. 3 and 4, I have shown a modified form of the device, the portions 9 and 10 of which are similar in construction to the portions 1 and 2 with the difference, however, that the rear end is not bent as the portion 3 is but is in the same angle as the portion 9. The curved portion 10 is bent to one side similar to the portion 2. The rear end of portion 11 is secured to the handle 12 by means of the bolt 13, the handle-bracing member 14 being mounted upon the bolt between the end 11 and one of the handles; the other end of the brace is secured upon the opposite handle as clearly shown in Fig. 3. A vertical bar 15 has a curved end 16 which fits the curvature of the beam at the junction of the portions 10 and 11 and is secured by means of the bolts 17 which pass through the openings 18. The lower end of the bar is formed into a socket 19 to support a plow blade 20 and is braced by means of a diagonal bar 21 secured at one end near the socket portion of the bar 15 and the other end is secured upon the portion 11 of the beam. The forward end of the beam may be provided either with a hook, similar to hook 8, or with an eye 22, in which the hook of a draft appliance may be secured.

What I claim as my invention is:—

A plow structure having a vertical standard and provided with an angled upper end extending laterally from the standard, a plow beam formed from a length of bar metal having its intermediate portion upwardly curved and bent laterally to form a seat for the angled end of the standard, said plow

beam and standard being provided with bolt
receiving openings on each side of the
bend of the angle, bolts held in said open-
ings whereby the angled end of the stand-
5 ard is secured firmly in said seat, and con-
stitutes a stiffening means for the seat and
bracing means for the standard, means to
brace the lower end of the standard from
bending in the direction of the length of the

beam, and means carried by said standard 10
for the adjustment of an earth working tool.

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

CHARLIE B. WILSON.

Witnesses:

H. K. OLLIPHANT, Jr.,
CORAL GEISELMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
