No. 635,916. Patented Oct. 31, 1899.

G. S. CARRIGAN.

PLOW.

(Application filed July 15, 1899.)

(No Model.)

Fig. 1.

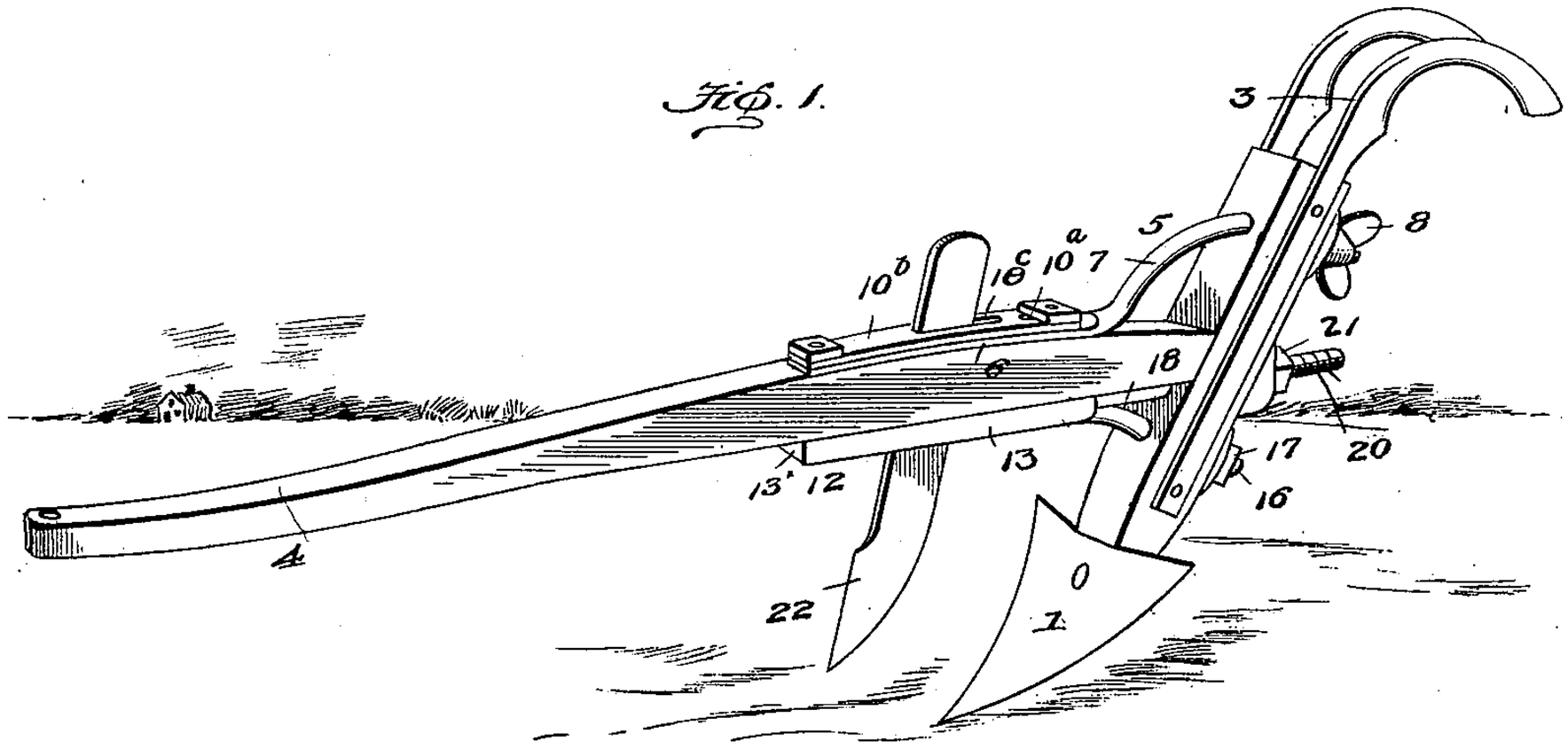


Fig. 2.

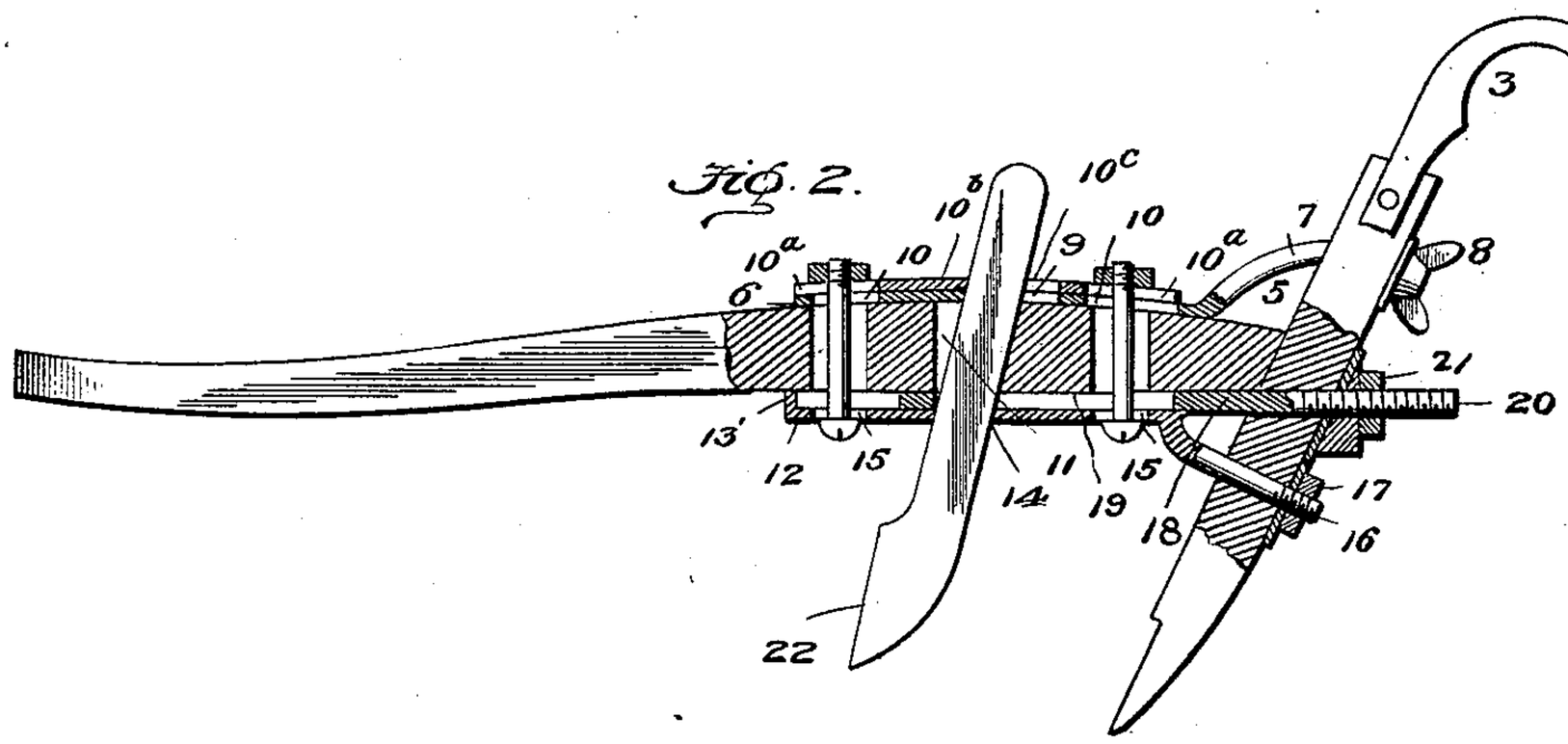
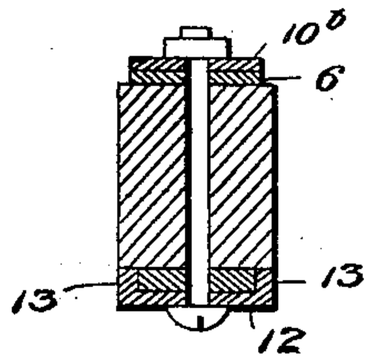


Fig. 3.



Witnesses

Inventor

G. S. Carrigan

by

Attorneys

UNITED STATES PATENT OFFICE.

GEORGE S. CARRIGAN, OF MACK, ARKANSAS, ASSIGNOR OF TWO-THIRDS TO A. BERTIG AND S. BERTIG, OF PARAGOULD, ARKANSAS.

PLOW.

SPECIFICATION forming part of Letters Patent No. 635,916, dated October 31, 1899.

Application filed July 15, 1899. Serial No. 723,940. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. CARRIGAN, a citizen of the United States, residing at Mack, in the county of Greene and State of Arkansas, have invented certain new and useful Improvements in Plows; and I do 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.

The invention has relation to plows, and more particularly to means for adjusting the colter vertically as well as toward and away from the plow-point.

The object of the invention is to provide a plow with simple, durable, and inexpensive means whereby the colter may be easily and quickly adjusted as the case may require and when adjusted will be securely retained in its position.

With this object in view the invention consists in certain features of construction and combination of parts, which will be hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved plow. Fig. 2 is a longitudinal sectional view through the plow-beam and stock, and Fig. 3 is a cross-sectional view through the plow-beam.

In the drawings, 1 denotes the stock; 2, the shovel; 3, the handles, and 4 the plow-beam. These parts may be and are preferably of the well-known construction and further description is deemed unnecessary.

5 denotes a brace-bar provided with a flattened portion 6, that lies on top of the plow-beam, and with a curved arm 7, that extends through the stock and is provided with a nut 8. The flattened portion is provided with an elongated aperture 9 and with bolt-holes 10, which register with slots 10^a in a plate 10^b, which has a central elongated aperture 10^c, registering with the aperture 9. The elongated aperture 9 registers with a similar aperture 11, extending vertically through the plow-beam.

12 denotes a casting having marginal guide-flanges 13 and an end flange 13′. This casting is provided with a central aperture 14, registering with the apertures 9 and 11, and with elongated bolt-apertures 15, which register with corresponding apertures extending through the plow-beam. The rear end of this casting is provided with a screw-threaded shank 16, that passes through the plow-beam and is provided with an adjusting-nut 17.

18 denotes a locking-bar which is arranged between the lower side of the plow-beam and the upper side of the casting and is inclosed within the marginal flanges of the latter and is provided with an elongated slot 19, which registers with the apertures 9 and 11, and with a screw-threaded shank 20, that extends through the plow-beam and is provided with a nut 21.

22 denotes a colter the shank of which extends through the apertures 9, 11, and 19.

If it be desired to remove the point of the colter close to that of the plow-shovel, the nut on the shank of the casting is screwed home, which will cause the casting to draw the point of the colter rearwardly, it of course being understood that the locking-bar is first released from engagement with the shank of the colter. After the colter has been removed to the desired point with reference to the plow-point the nut on the shank and the locking-bar is screwed firmly home, thus locking the colter securely in its adjusted position.

Now suppose it be desired to adjust the colter vertically with respect to the plow-point without moving it longitudinally the length of the beam toward or away from the beam. All that is necessary is to loosen the nut on the shank of the locking-bar, elevate the colter, and then screw the nut firmly home, thus clamping the colter in adjusted position.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of the invention will be readily understood without requiring an extended explanation. The parts are exceedingly simple, may be made at small cost, and are readily applied to the plows now in use.

It will of course be understood that various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus fully described my invention,

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

The combination with the plow, the beam of which is provided with a longitudinal, vertical slot, a brace having a flattened portion engaging the upper edge of the beam and a curved arm extending through the stock of the plow and provided with a nut, said flattened portion of the brace being provided with elongated aperture and with bolt-holes, a casting arranged on the lower side of the beam and provided with longitudinal bolt-holes registering with the bolt-holes aforesaid and with bolt-holes formed in the beam, said casting being provided intermediate its length with an elongated aperture registering with the elongated aperture in the beam and in the flat part of the brace, said casting being provided with a marginal flange and with a screw-threaded shank that extends through the stock of the plow, and a locking-bar located between the casting and the under side of the beam and within the marginal flanges of the casting, and is formed with a screw-threaded shank that projects through said bar and is provided with a nut, and a colter the shank of which projects through the elongated apertures of the casting, the locking-bar, the beam, and the flat portion of the brace, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GEORGE S. CARRIGAN.

Witnesses:
FRANK LEWIS,
E. H. BORMMAN.