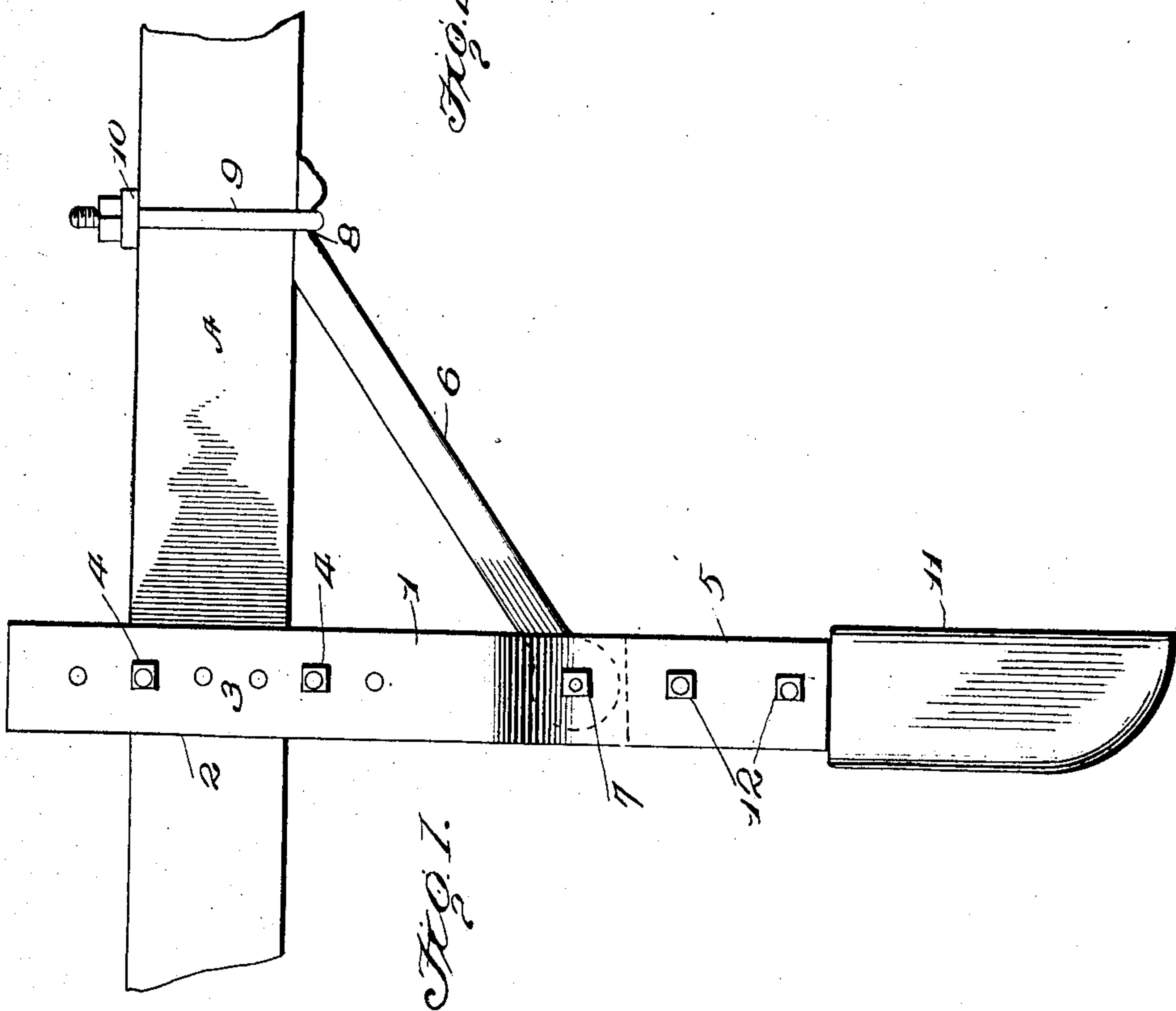
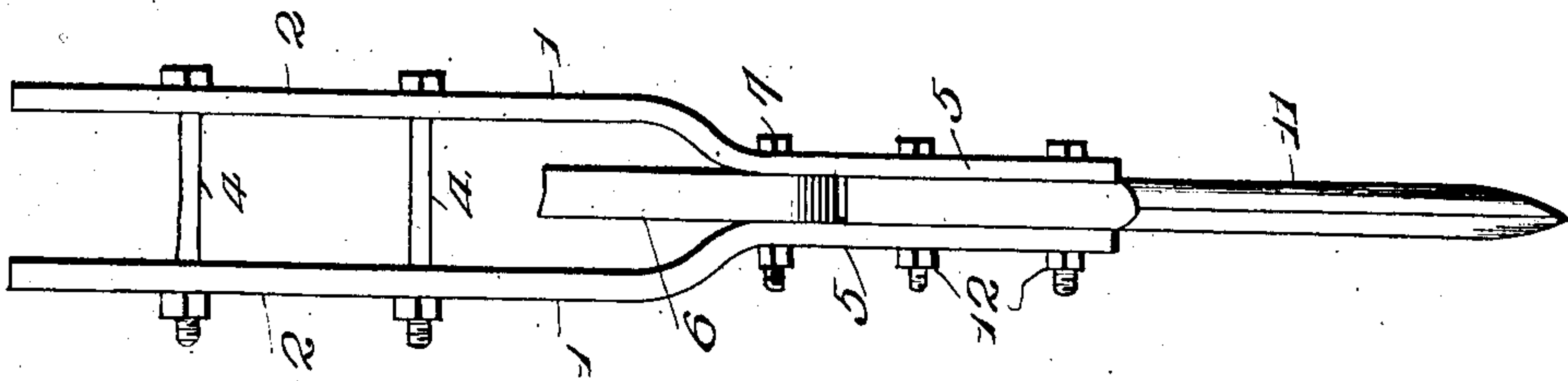


No. 895,595.

PATENTED AUG. 11, 1908.

H. A. TAYLOR.
COLTER.

APPLICATION FILED FEB. 4, 1908.



Witnesses

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UNITED STATES PATENT OFFICE.

HENRY A. TAYLOR, OF BARRYTOWN, ALABAMA.

COLTER.

No. 895,595.

Specification of Letters Patent.

Patented Aug. 11, 1908.

Application filed February 4, 1908. Serial No. 414,241.

To all whom it may concern:

Be it known that I, HENRY A. TAYLOR, citizen of the United States, residing at Barrytown, in the county of Choctaw and State of Alabama, have invented certain new and useful Improvements in Colters, of which the following is a specification.

This invention contemplates certain new and useful improvements in colters and the object of the invention is a simple, durable and efficient construction of an improved colter which may be attached to a plow-beam without weakening the latter, which may be quickly and readily reversed when one cutting edge is not desired for use, to bring the opposite cutting edge in an operative position, and from which the cutting blade may be removed when worn out and be conveniently replaced by a new blade.

With this and other objects in view that will more fully appear as the description proceeds, the invention consists in certain constructions and arrangements of parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention and the merits thereof, reference is to be had to the following description and accompanying drawings in which:—

Figure 1 is a side elevation of my improved colter showing it applied; and, Fig. 2 is an edge view thereof.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawing, A designates the plow-beam to which my invention is applied and which is of any desired construction or design.

My improved colter embodies two side bars 1, the upper ends 2 of which are spaced from each other and are substantially parallel, said ends being designed to embrace the plow-beam A and extending upwardly therebeyond on opposite sides thereof. In order to secure the side bars to the plow-beam A without weakening the latter, the upper ends 2 are each formed with a substantially vertically extending series of openings 3 and two bolts 4 extend through selected pairs of alining openings in such ends with nuts mounted on their extremities, said bolts being so spaced as to bear against the respective upper and lower faces of the beam. It will be noted that by this arrangement the

bolts may be shifted into different openings 3 to raise or lower the colter as desired.

The side bars 1 extend downwardly from the beam A in spaced relation to each other and the lower ends 5 of the side bars are preferably bent inwardly toward each other to decrease the space between the same. A brace 6 is flattened at its lower end and the latter is secured between the lower ends 5 of the side bars by a bolt 7 passing there- through. The other end of the brace 6 is oppositely flattened and is formed with a transverse groove 8, said end being designed to be secured to the beam A to prevent any longitudinal movement of the colter thereon. In the present instance, a clip 9 embraces the beam and the upper end of the brace and is received in the groove 8 in the latter, a gland 10 being mounted on the ends of the clip and being held thereon by nuts or the like.

A cutting blade 11 is secured between the lower ends of the side bars 5 below the brace, by any suitable means such as rivets or bolts 12 passing through said side bars. The sides of this blade are preferably rounded to present less resistance to the earth, and one cutting edge of said blade is curved as shown, while the other is straight.

In the practical use of my improved colter, when the rear cutting edge is desired for use, the bolt 4 bearing against the upper face of the beam and the bolt 7 securing the brace to the side bars, are removed, and the side bars and the attached blade may obviously be quickly reversed to bring the rear cutting edge in an operative position, said bolts being then returned.

It will be noted that when the blade 11 is worn out it may be conveniently replaced at a small cost with a new blade.

Having thus described the invention, what I claim is:—

1. The combination with a plow beam, of side bars spaced from each other with their upper ends extending upwardly along the vertical sides of the beam and formed with corresponding openings in alinement with the upper and lower faces of the beam, bolts passing through the openings and bearing against the respective upper and lower faces of the beam, a cutting blade secured between the lower ends of the side bars, a brace pivotally secured at one end between the side bars intermediate of the ends thereof, the other end of the brace being formed with a transverse

groove, a U-shaped clip embracing the beam and received in the groove of the brace, a gland mounted upon the extremity of the clip, and nuts working upon the ends of the clip and retaining the gland thereon, whereby
5 to bind the end of the brace securely to the beam.

2. The combination with a plow beam, of side bars spaced from each other with
10 their upper ends extending upwardly along the vertical sides of the beam and formed with corresponding openings, bolts passing through the openings and bearing against the upper and lower faces of the beam, said side
15 bars being formed with a plurality of openings over and above the number of bolts, a cutting blade secured between the lower ends

of the side bars, a brace pivotally secured at one end between the side bars intermediate of the ends thereof, the other end of said
20 brace being formed with a transverse groove, a U-shaped clip embracing the beam and received in the groove of the brace, a gland mounted upon the extremity of the clip, and
25 nuts working upon the ends of the clip to retain the gland thereon, whereby to securely bind the end of the brace to the beam.

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

HENRY A. TAYLOR.

Witnesses:

N. A. TAYLOR,

A. J. DOGGETT.