

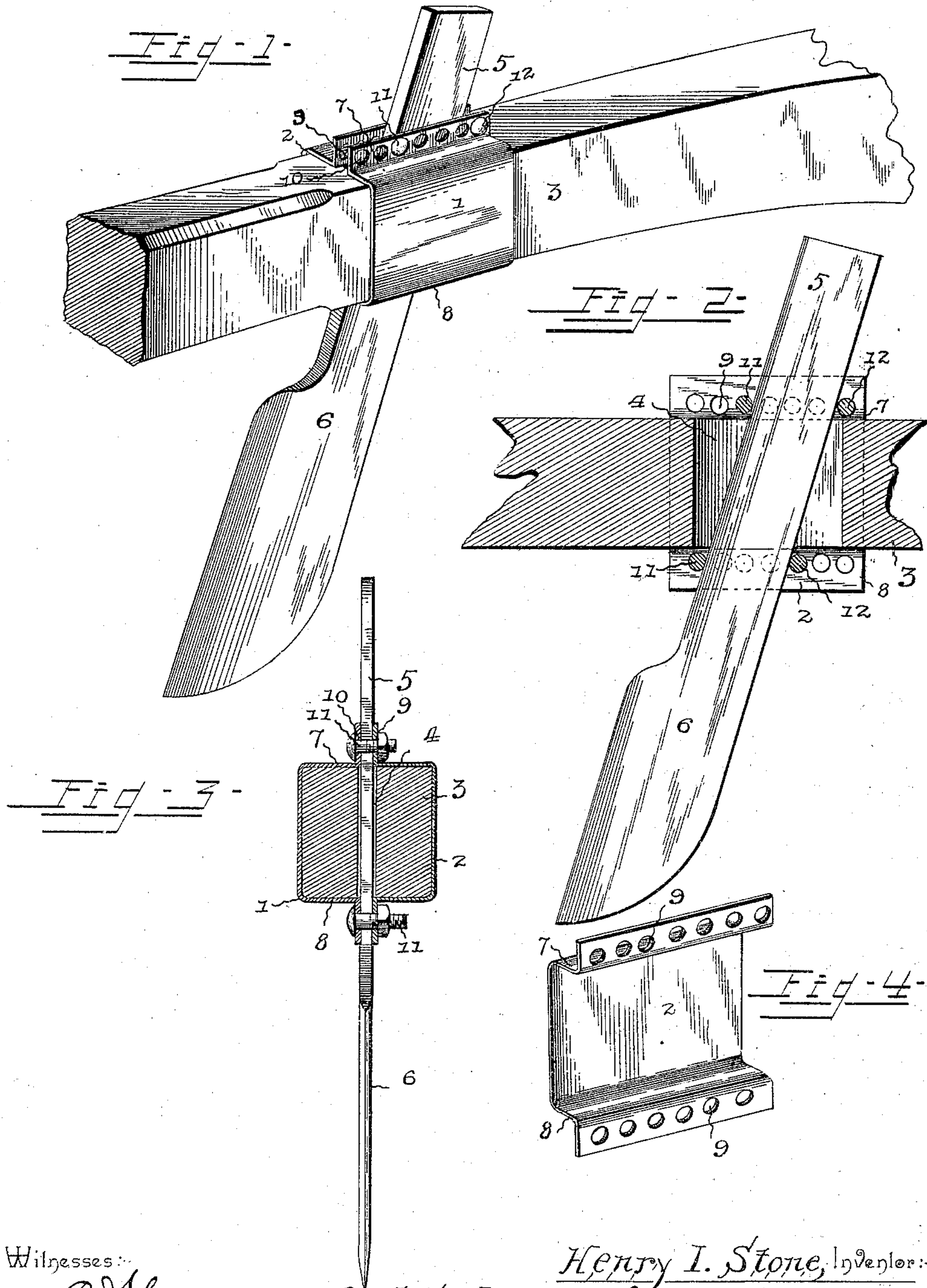
No. 611,655.

Patented Oct. 4, 1898.

H. I. STONE.  
COLTER CLAMP.

(Application filed Apr. 23, 1898.)

(No Model.)



Witnesses:

*C. J. Young*  
*J. F. Riley*

By *his* Attorneys.

*Henry I. Stone*, Inventor:-

*Cashnow & Co.*



# UNITED STATES PATENT OFFICE.

HENRY IVENS STONE, OF GURDON, ARKANSAS.

## COLTER-CLAMP.

SPECIFICATION forming part of Letters Patent No. 611,655, dated October 4, 1898.

Application filed April 23, 1898. Serial No. 678,597. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY IVENS STONE, a citizen of the United States, residing at Gurdon, in the county of Clark and State of Arkansas, have invented a new and useful Colter-Clamp, of which the following is a specification.

The invention relates to improvements in colter-clamps.

10 The object of the present invention is to improve the construction of colter-clamps and to provide a simple, inexpensive, and efficient device adapted to strengthen a plow-beam where the shank of the colter passes through the same and capable of securely holding a colter at the desired adjustment, so that the same will readily cut through the turf of new ground and through roots and the like.

20 A further object of the invention is to enable the colter of a plow to be readily removed when it is desired to sharpen the same and to permit the clamp to remain on the beam, so that it will not become lost or separated from the plow.

25 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

30 In the drawings, Figure 1 is a perspective view of a colter-clamp constructed in accordance with this invention and shown applied to a plow-beam. Fig. 2 is a vertical sectional view taken longitudinally of the beam. Fig. 3 is a similar view taken transversely of the beam. Fig. 4 is a detail perspective view of one of the members of the clamp.

40 Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a clamp composed of two similar sections 2, adapted to embrace a plow-beam 3 at the slot or opening 4, through which the shank or stem 5 of a colter 6 extends, and the said sections are adapted to clamp the shank of the colter and hold the same at the desired adjustment. Each section 2 is provided at its upper and lower edges with substantially L-shaped flanges 7

and 8, extending inward over the upper and lower faces of the plow-beam and engaging the shank of the colter at opposite sides thereof.

The horizontal portions of the flanges 7 and 8 fit the upper and lower faces of the plow-beam, and the vertical flanges, which form engaging faces, are provided with perforations 9 and 10, through which pass bolts 11 and 12, located in advance and in rear of the shank of the colter. The bolts, which are adjustable, are adapted to be arranged in any of the perforations 9 and 10, and they perform two functions, being adapted to cause the flanges to clamp the colter and being designed to be arranged adjacent to the front and rear edges of the same, as clearly shown in Fig. 2 of the accompanying drawings. The bolts, by being arranged at the edges of the shank of the colter, are adapted to support the same in an inclined position, and the inclination may be varied by arranging the bolts in the different holes of the sections.

The invention has the following advantages: The colter-clamp, which is simple and comparatively inexpensive in construction, may be readily manufactured to fit any kind of a plow-beam, and it is adapted to support a colter in the position desired and to prevent it from tilting out of such position, so that the colter will operate to great advantage in plowing new or rooty land or other hard soil. The bolts produce a positive clamping action and also serve to support the shank of the colter, and they may be readily changed to vary the inclination of said shank. The device is also adapted to permit a colter to be readily removed from a plow for the purpose of sharpening it, and the clamp is adapted to remain on the beam while the colter is being sharpened.

What I claim is—

In a device of the class described, the combination with a plow-beam having a slot, of a colter extending through the slot, and a clamp composed of clamping-sections arranged at opposite sides of the plow-beam, conforming to the configuration of the same, and provided with upper and lower L-shaped flanges fitting against the colter and having perforations, and fastening devices passing

through the perforations of the sections and  
adapted to cause the same to engage the col-  
ter, said fastening devices being also arranged  
at the front and rear edges of the colter to  
5 support the same at the desired inclination,  
substantially as described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in  
the presence of two witnesses.

HENRY IVENS STONE.

Witnesses:

F. D. BROWN,

BEN BUSSELL.