

No. 891,100.

PATENTED JUNE 16, 1908.

C. C. RANKIN.
STANDARD CLAMP FOR PLOWS.

APPLICATION FILED JUNE 24, 1907.

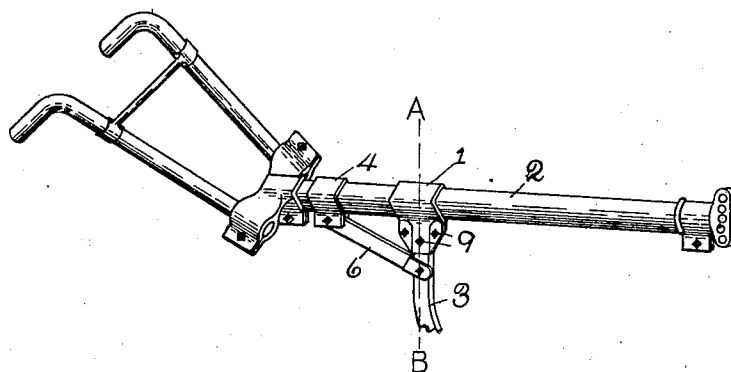


Fig-1-

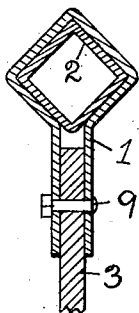


Fig-2-

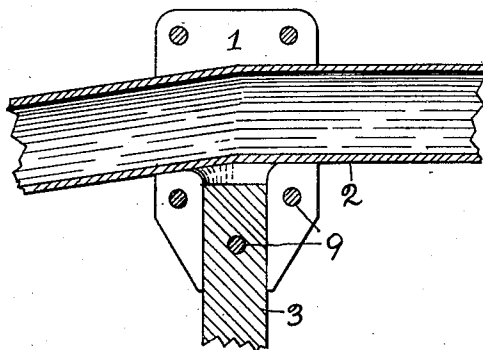


Fig-3-

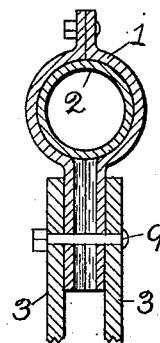


Fig-4-

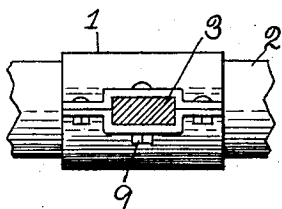


Fig-5-

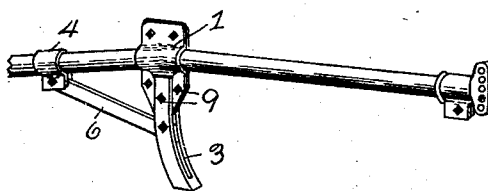


Fig-6-

WITNESSES:

John E. Heller.
Minnie C. Rollwage.

INVENTOR

Chas. C. Rankin.
BY
Abraham Knobel
ATTORNEY

UNITED STATES PATENT OFFICE.

CHARLES CALHOUN RANKIN, OF LOUISVILLE, KENTUCKY, ASSIGNOR OF ONE-THIRD TO
SAMUEL T. CROFTS, OF LOUISVILLE, KENTUCKY.

STANDARD-CLAMP FOR PLOWS.

No. 891,100.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed June 24, 1907. Serial No. 380,484.

To all whom it may concern:

Be it known that I, CHARLES CALHOUN RANKIN, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Standard-Clamp for Plows, of which the following is a specification.

My invention relates to improvements in means for securing the standard to the beam of a plow; and the objects of my improvement are strength, facility of adjustment, and simplicity and cheapness of construction. These objects I attain by means of the device illustrated in the accompanying drawing in which—

Figure 1 is a perspective view of the standard-clamp in position for use upon a tubular plow beam of square cross section; Fig. 2 a transverse section on line A—B of Fig. 1; Fig. 3 a side elevation of a modification of the clamp in two parts, showing the inner face of one of the parts and the beam and standard in longitudinal section; Fig. 4, a transverse section of a modified form, with an adjustable stock applied instead of the standard; Fig. 5, a bottom plan view of the modified form; Fig. 6, a perspective view of the standard clamp as used with a bent tubular beam of circular cross section and a biparted stock adjustable to various angles.

Similar reference numerals refer to similar parts throughout the several views of the drawings.

The clamp 1 consists of two parts, having their adjacent faces grooved transversely at their upper ends to accommodate them to fit snugly about a tubular beam 2, and their lower ends vertically to accommodate them to fit over the standard 3. Holes are provided for clamping bolts 9. The two parts of the clamp may be joined at the top, making them integral with each other, as shown in Figs. 1 and 2, or they may be separated, as shown in Figs. 3, 4, and 5. I prefer to make the clamp in the form of a stamping, of sheet steel preferably, thus making it quite inexpensive to manufacture. It may be made, however, in the form of malleable castings. In Fig. 2, the clamp is shown

adapted to fit over a tubular plow-beam of square cross section, and Figs. 4 and 6 as adapted to fit over a round tubular beam. Figs. 4 and 6 also illustrate the method of applying a bifurcated stock, commonly called a Georgia stock, which may be set at any convenient angle, being applied over the outside of the beam-clamp and secured by, and pivoted on a single bolt 9, and being adapted to receive plow-points of various forms for various purposes. In this case the angle of the stock relative to the beam of the plow is determined and fixed by means of a brace 6 secured at one of its ends at about midway of the stock, and at its opposite end to an adjustable clamp-collar 4. The standard-clamp 1 is thus seen to be adapted to receive both a standard and a bifurcated stock.

It will be understood that this clamp is very easily applied to the beam, does not require skilled labor to apply it and adjust it, and, when secured, holds very firmly. The same will be seen to be the case with the stock, which is embedded in the groove in each part of the clamp and cannot swerve from its position. The light weight of the clamp, consistent with the strength required, will also be appreciated. Again, the knock-down feature thus given to the plow is an important one. Plows made with this clamp may be shipped in knock-down condition and exported and assembled by anyone of ordinary intelligence.

Having thus described my invention so that any one may make and use it, I claim—

1. A standard and beam clamp for plows, comprising two sections, a vertically disposed groove in each section arranged to receive a plow standard, a horizontally disposed groove in each section arranged to receive a plow beam, each of said horizontally disposed grooves having a bend or angle therein to conform to the plow beam in such manner that rotation of the said clamp on the beam is prevented.

2. A clamp of the character described, comprising two sections, each of which is provided with a bent or angular groove arranged to receive a beam and means for ac-

commodating a standard, the said bent or angular groove being arranged to conform to the beam in such manner that rotation of the clamp on the beam is prevented.

5 3. A clamp of the character described, comprising means for accommodating a standard, said clamp being provided with

a bent or angular groove or recess to conform to and clamp a beam in such manner that rotation of the clamp on the beam is prevented. 10

CHARLES CALHOUN RANKIN.

Witnesses:

ABRAHAM KNOBEL,
MINNIE C. ROLLWAGE.