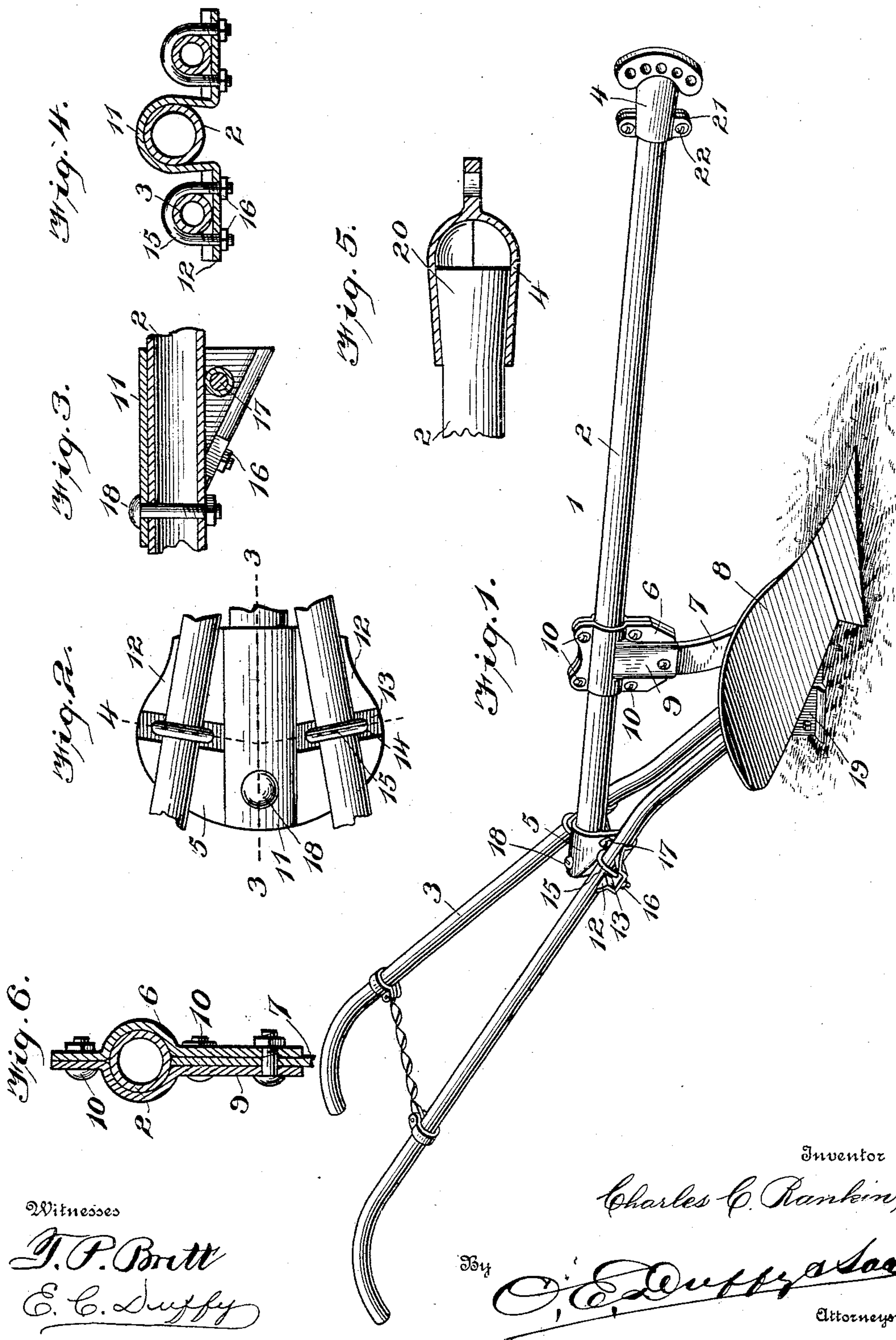


No. 891,101.

PATENTED JUNE 16, 1908.

C. C. RANKIN.
PLOW.

APPLICATION FILED DEC. 10, 1907.



Witnesses

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UNITED STATES PATENT OFFICE.

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

PLOW.

No. 891,101.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed December 10, 1907. Serial No. 405,913.

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 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to plows and has for its object to provide a device of this class in which the principal elements are constructed of metal.

A further object of my invention is to provide a plow which combines great strength, lightness of weight, compactness, simplicity in construction, easy in cheapness of manufacture and great durability.

A further object of my invention is to provide a plow in which the parts are interchangeable and which can be disassembled or knocked down to facilitate storing, packing and shipping.

With these objects in view my invention consists in the novel construction and arrangement of the plow and particularly in the beam clamp and handle fixture.

Referring to the accompanying drawing: Figure 1 is a perspective view of a plow constructed in accordance with my invention. Fig. 2 is a top plan view of the handle fixture. Fig. 3 is a vertical longitudinal sectional view taken on line 3—3 of Fig. 2. Fig. 4 is a vertical transverse sectional view taken on line 4—4 of Fig. 2. Fig. 5 is a view of end of beam showing clevis in section, and Fig. 6 is a vertical transverse sectional view through standard and beam clamp.

Like numerals of reference indicate the same parts throughout the several figures in which:

1 indicates the plow which comprises a tubular beam 2, tubular handles 3, clevis 4, handle fixture 5, beam clamp 6, standard 7 and mold board 8.

As is shown in Fig. 1 the beam 2 is cylindrical and tubular although it is evident that the same may be constructed square or oval in cross section.

The beam clamp 6 is comprised of two metal plates stamped or cast to conform to

the shape of the beam 2 and having therein a chamber 9 within which the standard 7 enters. Suitable bolts 10 fasten the clamp in position upon the beam 2 and secure the standard 7 rigidly in position.

Referring now to the handle fixture 5 it will be seen from the drawing that the same may be either cast or stamped into the form as shown. Said fixture, as will appear from Fig. 4, is formed substantially like an inverted U, said inverted U-shaped portion being designated by the numeral 11. The two portions 12 which extend laterally from the central inverted U-shaped portion 11 are formed on an incline as shown in Figs. 1 and 3, said portions 12 being concaved or slightly U-shaped to conform to and accommodate the handles 3. A depression 13 is formed in said extensions 12, said depression being transverse of said extensions and being provided with a perforation 14 on each side of the center thereof to receive a clip 15 the ends of which are threaded for a nut or tap 16 as shown in Figs. 1, 3 and 4. A transverse bolt 17 passing through the inverted U-shaped portion 11 clamps the fixture securely about the beam 2 while a vertically disposed bolt 18 passes through the U-shaped portion 11 and through the beam 2 as clearly shown in Fig. 3, thus rigidly fastening the handle fixture to the beam and preventing any displacement thereof.

As shown in Fig. 1 the handles 3 are secured to the handle fixture 5 by means of the clips 15 and said handles 3 are carried down and securely fastened to the land side and mold board 19 in any convenient manner.

Referring to the clevis 4 it will be seen from Fig. 5 that the extreme end of the beam 2 is swelled at 20, while the clevis 4 is formed to embrace said swelled portion 20 and is provided with extensions or lugs 21 through which suitable fastening bolts 22 are passed in order to securely clamp the clevis to the beam. This construction provides for rotating the clevis on the beam for obvious purposes.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent of the United States, is;

1. A plow of the character described comprising a beam, a clevis, a beam clamp, a handle fixture, handles and plow standard, the said beam clamp embracing the beam and provided with a recess or chamber to accommodate the said plow standard, said

handle fixture being formed substantially like
an inverted U embracing the beam, inclined
extensions on said handle fixture formed to
accommodate the said handles, a clip carried
5 on each of said inclined extensions for fasten-
ing said handles in position thereon, said han-
dles extending below the said handle fixture.
2. A plow of the character described com-
prising a beam, handles and a handle fixture,
10 said handle fixture being formed substan-

tially like an inverted U to embrace the said
beam, and inclined extensions on said fixture
for accommodating said handles, substan-
tially as described.

In testimony whereof, I affix my signa- 15
ture, in presence of two witnesses.

CHARLES CALHOUN RANKIN.

Witnesses:

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