H. TATUM.

PLOW.

APPLICATION FILED DEC. 23, 1908.

951,349.

Patented Mar. 8, 1910.

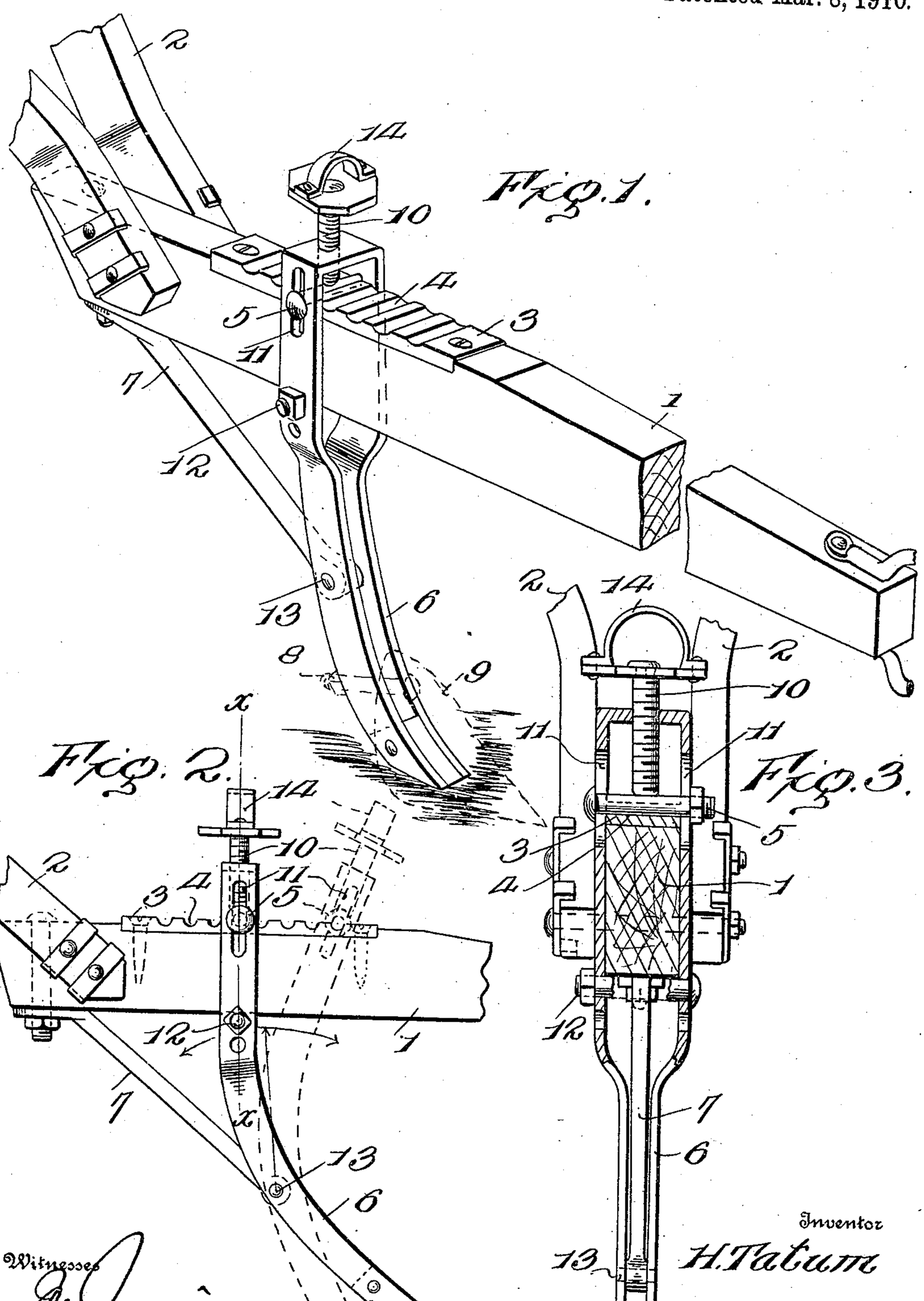

Fig. 1.

Fig. 2.

Fig. 3.

Witnesses

Inventor

H. Tatum

By

Attorneys

UNITED STATES PATENT OFFICE.

HAMLING TATUM, OF ELBA, ALABAMA.

PLOW.

951,349. Specification of Letters Patent. Patented Mar. 8, 1910.

Application filed December 23, 1908. Serial No. 468,964.

To all whom it may concern:

Be it known that I, HAMLING TATUM, citizen of the United States, residing at Elba, in the county of Coffee and State of Alabama, have invented certain new and useful Improvements in Plows, of which the following is a specification.

This invention appertains to agricultural implements and more particularly to such as comprise a beam and a standard, the latter provided with a shovel blade of any design, according to the special work for which the implement is intended.

The invention has for its object to provide novel means admitting of the standard being easily and quickly adjusted to any relative inclination within certain limits, so as to vary the pitch of the shovel to meet varying conditions of work according to location, soil and the crop to be cultivated or land to be tilled.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of a plow embodying the invention; Fig. 2 is a side view of the standard and a portion of the beam, the dotted lines showing an adjusted position of the standard; and, Fig. 3 is a transverse section on the line *x*—*x* of Fig. 2 looking to the rear.

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.

The plow comprises a beam 1 which may be of any construction and formed either of wood or metal. Handle bars 2 of any approved construction are fitted to the rear portion of the beam.

A plate 3 is attached to the upper side of the beam 1 near its rear end and is preferably seated in a depression formed therein. This plate is provided in its upper face with transverse grooves 4 forming seats to coöperate with a bolt or pin 5 to hold the standard in an adjusted position.

A standard 6 is fitted to the beam 1 and comprises transversely spaced members which embrace opposite sides of the beam. The portions of the members comprising the standard are brought close together below the beam, the distance between said members being such as to receive the lower end of a brace 7 and a bolt 8 by means of which the shovel blade 9 is connected to the standard. The upper portions of the members are spread a distance to receive the beam 1. The standard members are connected at their upper and lower ends in any substantial way, the upper cross piece being formed with a threaded opening in which is fitted a set screw 10. Vertical slots 11 are formed in the upper portions of the members of the standard and receive the bolt or pin 5, the latter being engaged by the lower end of the set screw 10 and held thereby in a selected groove or seat 4. A bolt or pin 12 is supported in openings formed in the upper portions of the members of the standard and comes beneath the beam 1 and engages with the lower side thereof and acts in conjunction with the bolt or pin 5 to fix the position of the standard when properly adjusted. The brace 7 is secured at its upper end to the beam 1 and its lower end is passed between members of the standard 6 and connected thereto by means of a pivot fastening 13.

When the set screw 10 is loosened sufficiently to permit the bolt or pin 5 to clear the grooves 4 of the plate 3 the standard may be moved forward or backward at its upper end to the required inclination to regulate the pitch of the shovel blade 9 according to existing conditions. During the adjustment of the standard the same turns upon its pivot connection 13 with the brace 7 and the pin 5 is caused to roll from one groove to another until it has reached a predetermined point. After the standard has been adjusted to the required position it is made secure by the bolt or pin 5 entering the selected groove 4, the set screw 10 being turned so as to engage with the bolt or pin 5 and thereby hold the same in the groove or seat 4 in which it is fitted. It is to be noted that the pin 5 extends throughout the width of the grooved plate 3 and therefore, the pressure exerted by the set screw 10 is distributed equally throughout the width of the beam. The set screw 10 may be turned in any manner and as shown is provided upon its top side with a loop 14 through which a stick, bar or other device may be inserted to provide a leverage to admit of the set screw being forcibly turned should occasion require.

The upper cross piece and the side mem-

bers of the standard are of integral formation, the same preferably consisting of parts of a bar, which is bent into the form substantially as shown, thereby obviating the formation of joints and insuring the provision of a substantial structure.

Having thus described the invention what is claimed as new is:

A plow including a beam, a brace, a standard pivotally mounted on the brace and embracing and mounted to move upon the beam, a wear plate mounted on the beam and extending throughout the width thereof, said plate having parallel grooves, a pin slidably and revolubly mounted within the standard and adapted to roll from one groove to another within the plate during the swinging movement of the standard and means mounted within the standard for holding the pin seated in any one of the grooves.

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

HAMLING TATUM. [L. S.]

Witnesses:
L. C. POWELL,
W. J. BOWDEN.