

(No Model.)

S. REMALY.
PLOW.

No. 483,311.

Patented Sept. 27, 1892.

Fig. 1.

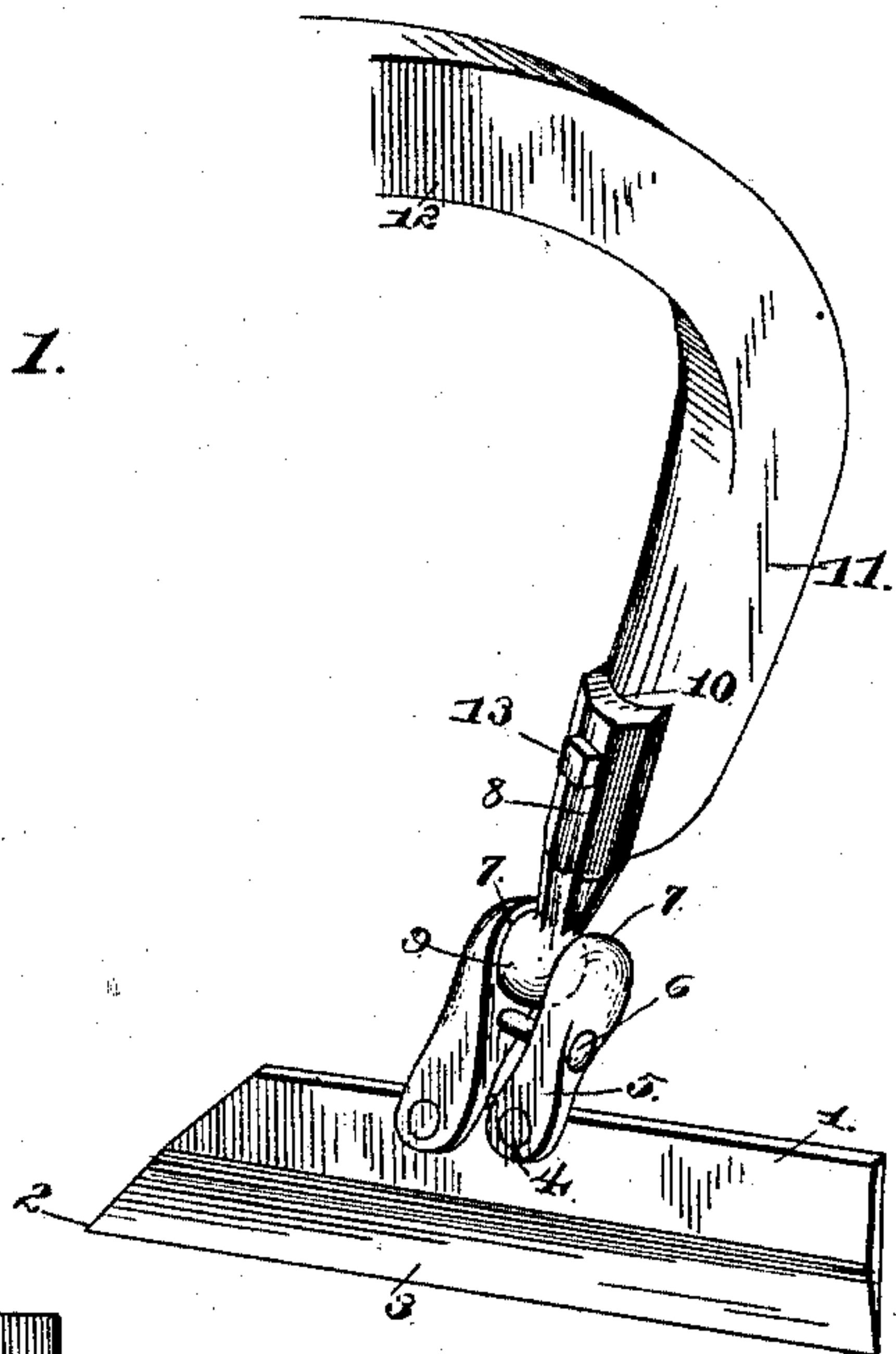


Fig. 2.

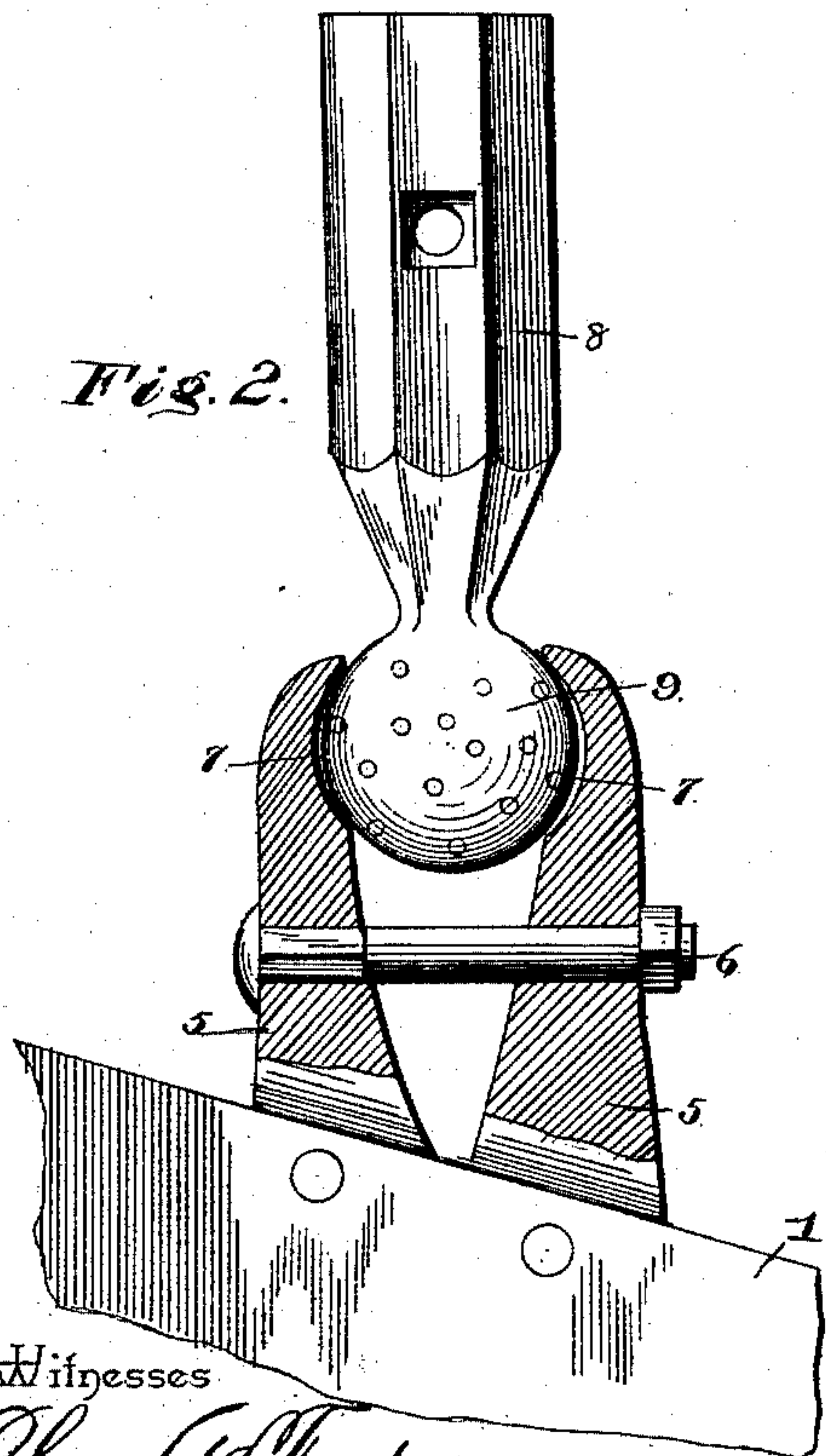
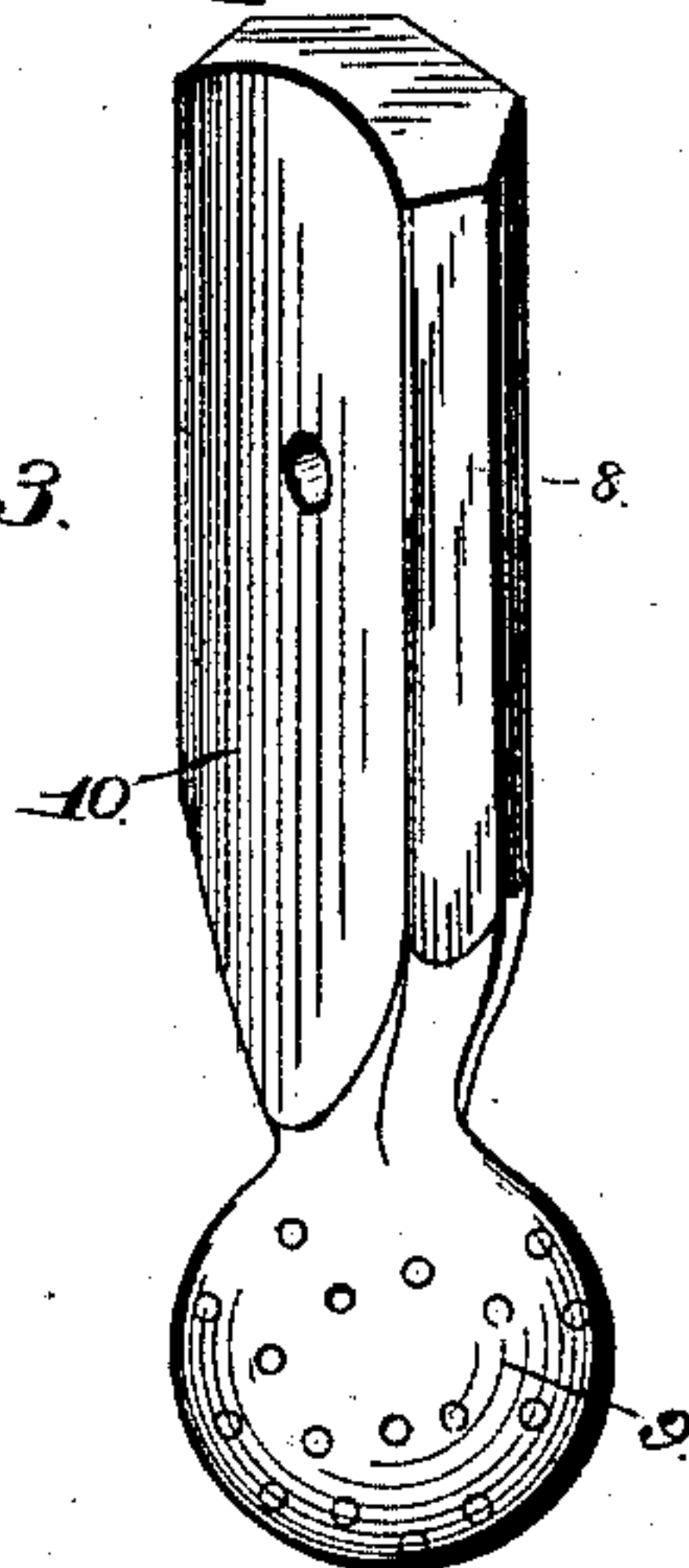


Fig. 3.



Witnesses

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SYLVESTER REMALY, OF JOHNSTOWN, NEBRASKA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 483,311, dated September 27, 1892.

Application filed March 16, 1892. Serial No. 425,141. (No model.)

To all whom it may concern:

Be it known that I, SYLVESTER REMALY, a citizen of the United States, residing at Johnstown, in the county of Brown and State of Nebraska, have invented a new and useful Plow, of which the following is a specification.

This invention relates to improvements in plows; and the objects in view are to provide a plow and connection for the same to the plow-standard, the nature of such connection being such as to permit of what might be termed a "universal adjustment" of the plow with relation to the beam, or, in other words, whereby the operator is enabled to raise or lower the point of the plow to any desired and reasonable degree, incline the plow, or adjust it laterally, whereby its point is brought more or less into alignment with the direction of travel of the plow, all in accordance with and as dictated by the character of the soil upon which the plow is operating.

With these objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a plow-beam provided with my improved plow and connection. Fig. 2 is a sectional view through the connection. Fig. 3 is a detail in perspective of the adjusting-shank, the view being taken at the rear side thereof.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the mold-board, which in this instance is simply a flat plain piece of steel of substantially oblong shape, the front end of which is beveled to form a point 2 and the lower edge of which is beveled to form an edge 3. Bolted, riveted, or otherwise secured, as at 4 in this instance, to the rear side of the mold-board, is a pair of pivotal standards or jaws 5, the same being flattened at their lower ends and widened toward their upper ends. These jaws are connected by a clamping-bolt 6, passing transversely through the same at a point a slight distance above the pivots 4, and above this bolt the jaws have their inner faces made concave, forming sockets 7.

8 designates a shank, the lower end of which is shaped to form a cylindrical ball or head 9 and is preferably roughened, as shown, the

said ball or head being designed to fit within and conform to the shape of the sockets 7. The shank is provided at its rear side in this instance with a concaved face 10, or may be otherwise shaped to conform to the lower end of an ordinary plow-standard 11, formed at the rear end of a plow-beam 12. A heel-bolt 13 passes through this standard and through an opening formed in the shank 10. This completes the construction of my plow, and its usefulness and mode of operation is so clear that it seems hardly necessary to specifically describe the same; but it might be well to mention for the benefit of those unacquainted with the manner of cultivating the soil that soils differ very much, some being soft and loamy, while others are clay-like and sticky, and again others are free from stone, while some abound with stone. All of these different kinds can be operated upon much more effectively with special kinds of plows, the differences in the plows being mainly their inclinations, &c., all of which can be imitated and reproduced by a plow constructed in accordance with my invention. Again, the rows between crops vary, some being wide and some narrow, and it will be obvious that my plow may be adjusted to suit all. The plow may be inclined so as to operate deep or as a sub-soiler or to plow shallow. All of these changes are readily accomplished by a manipulation of the clamping-bolt, whereby the jaws are relaxed upon the ball or head, the plow set to suit the requirement or occasion, and the clamping-bolt retightened.

Having described my invention, what I claim is—

1. The herein-described attachment for plow-beams, consisting of the mold-board, the pivoted jaws rising therefrom and having concaved inner faces forming sockets, the binding-bolt passed through the jaws below the sockets and above the pivots, and the shank adapted to be secured to the plow-standard and having its lower end terminating between the jaws in a spherical head or ball, substantially as specified.

2. The herein-described attachment for plows, consisting of the mold-board, oblong in shape and terminating at one end in a beveled point, the opposite pivoted jaws rising

from the mold-board and provided at their inner sides with concaved sockets, a clamping-screw passed through the jaws, a shank having a concaved rear side adapted to fit a
5 plow-standard, a bolt for the same, and a roughened head at the lower end of the shank fitting between the jaws, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

SYLVESTER REMALY.

Witnesses:

JACOB MEIER,
P. CHANDLER.