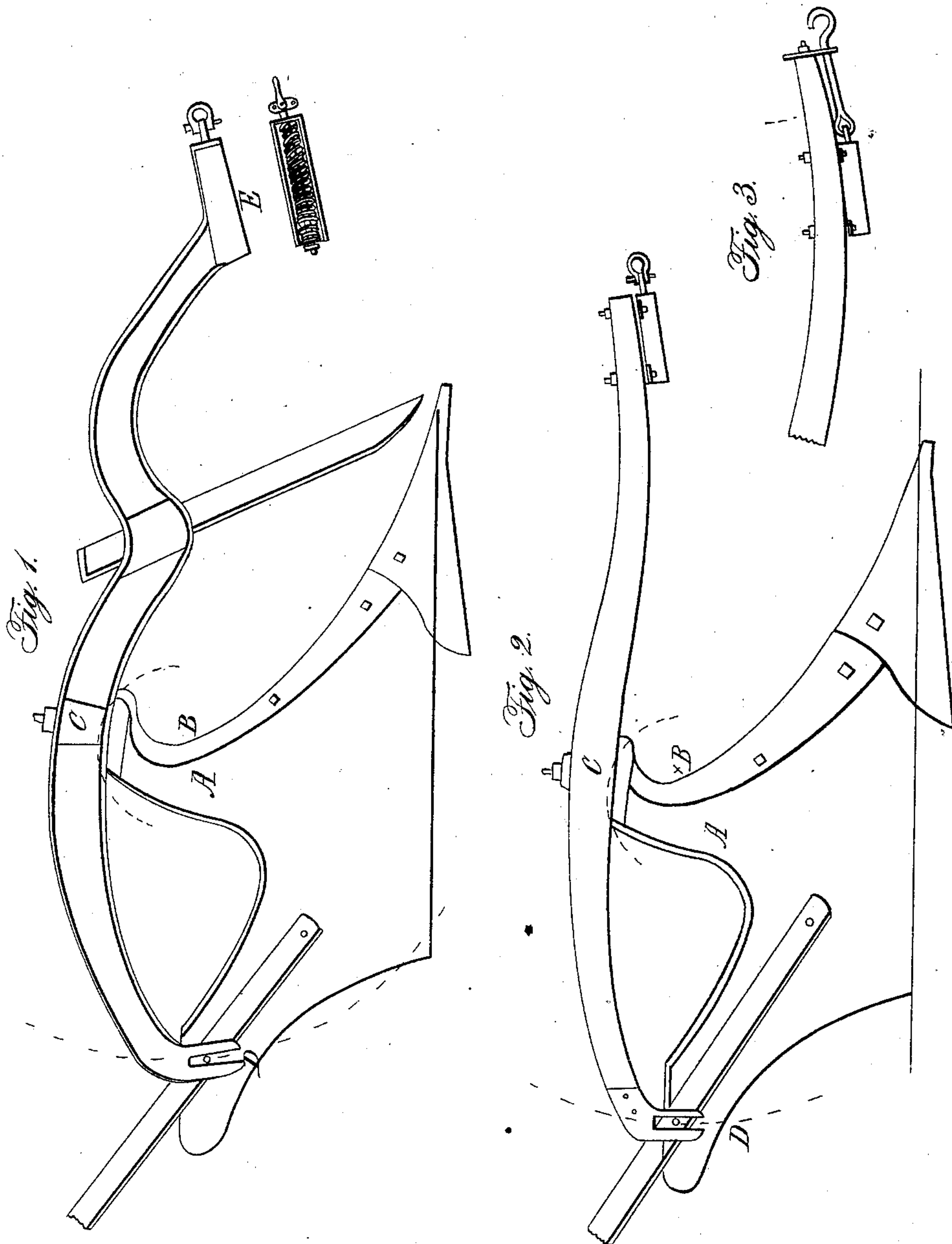


S. HULBERT.

Plow.

No. 21,423.

Patented Sept. 7, 1858.



UNITED STATES PATENT OFFICE.

SAML. HULBERT, OF OGDENSBURG, NEW YORK.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **21,423**, dated September 7, 1858.

To all whom it may concern:

Be it known that I, SAMUEL HULBERT, of the village of Ogdensburg, county of St. Lawrence, State of New York, have invented Improvements in Agricultural Plows; and I do declare that the following is a full and correct description of the same, reference being had to the accompanying drawing, forming part thereof.

The nature of my invention consists in the arrangement of devices hereinafter described.

The form which I have adopted as being the most convenient is to have a pipe at or near the front end of the beam, in which to place a spring, and pass a bolt through it to the rear end of the spring, by which to draw the plow.

In attaching the beam F of the plow so as to admit of adjustment to any desirable position, I construct the top of the standard in the form of a section of a sphere or ball, and a corresponding concave in the beam to fit with an oblong hole fore and aft in the beam, so as to admit of a sliding motion forward or backward, which raises or lowers the front end of the beam F, or permits it to be moved to the one side or the other, and when the beam is placed in any desirable position it is held fast by a bolt passing through the standard and the beam.

The rear end of the beam is constructed with a slot of a circular form, obtained by placing one point of the compass or dividers at the

imaginary center of the standard ball or sphere, and extending the other to the point or distance to the brace-bolt.

A is the standard. B is the supposed center of the ball or sphere on the standard. From B to D is the distance of its radius. From B to D is the distance to the brace-bolt. The slot in the beam requires to be in the direction of the circle described by the radius from B to D. Hence the sliding of the beam on the standard will at the rear end move in the direction of the circle described from B to D. E is the spring-clevis.

The cross bolt or brace extends from the landside to a horn or ear on the inside of the mold-board, projecting sufficiently to secure and adjust a straight handle, G. Also, there is a nut on each side of the beam to assist in holding it, and a nut to hold the handle firmly to the landside.

I do not claim any of the parts separately considered; but

What I do claim is—

The adjustable beam F, slat D, pivot C, spring-clevis E, and adjustable handle G, combined, arranged, and operating as set forth and described.

SAML. HULBERT.

Witnesses:

D. F. FOSTER,
HENRY CHANEY.