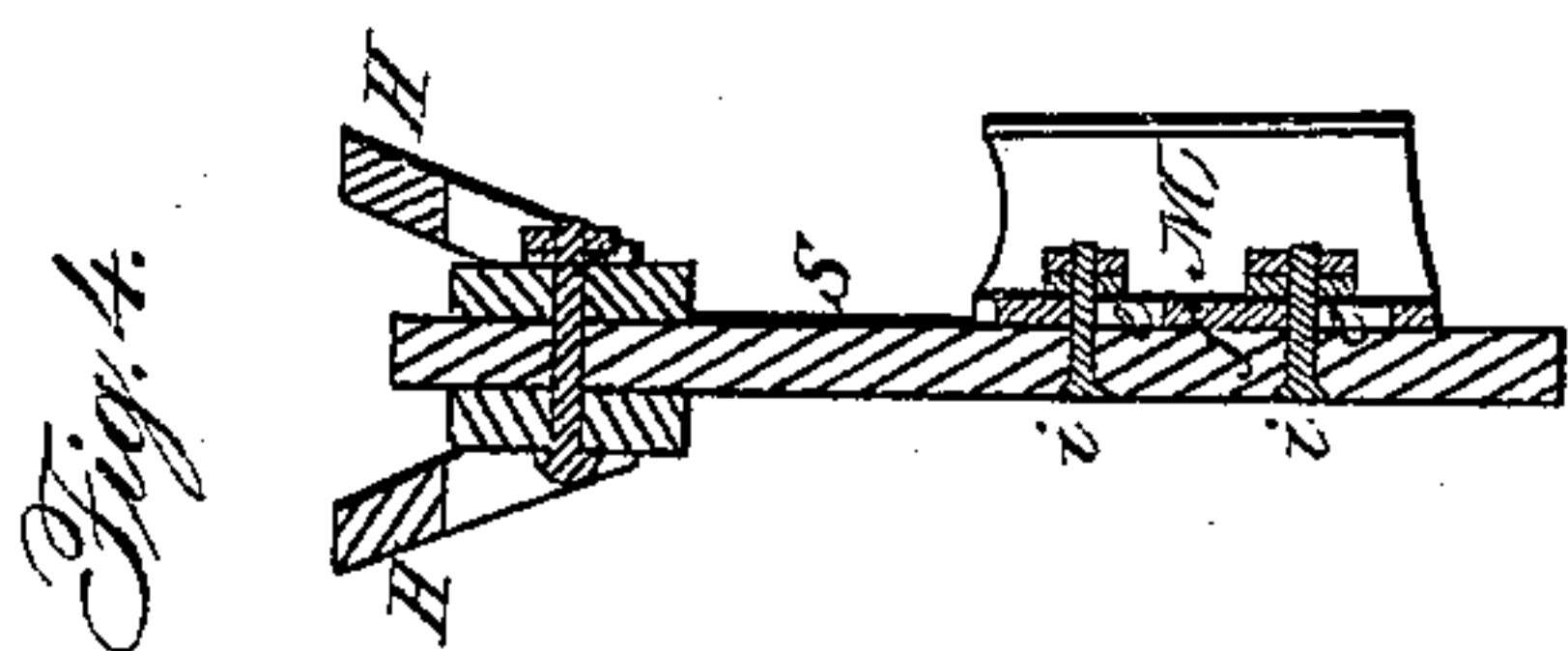
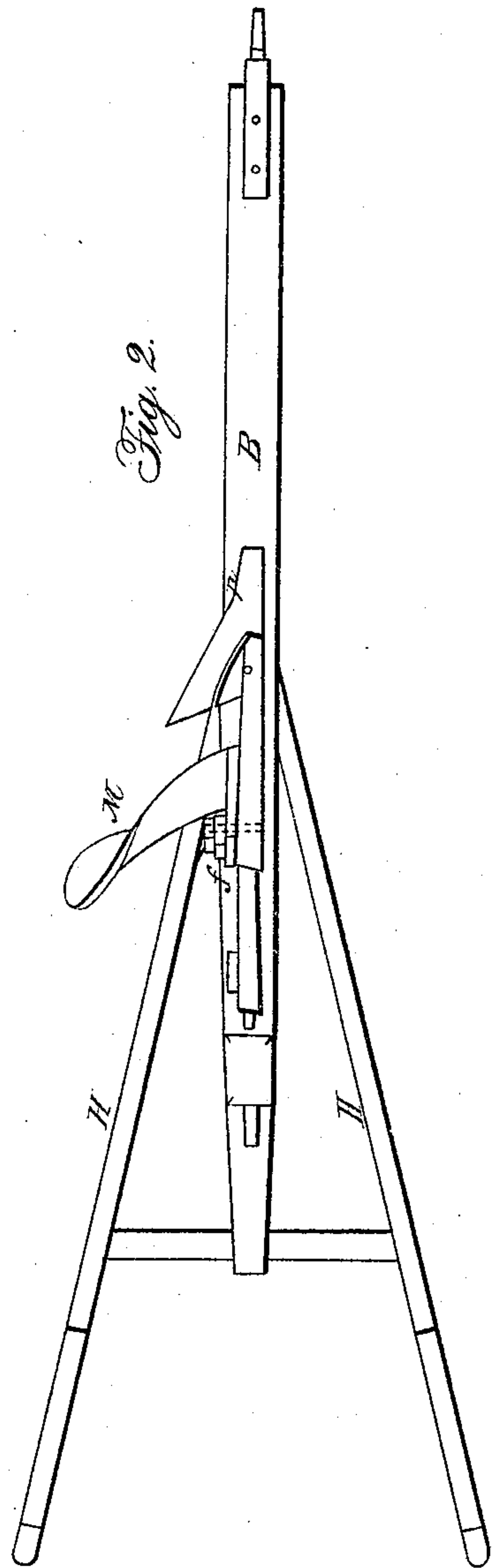
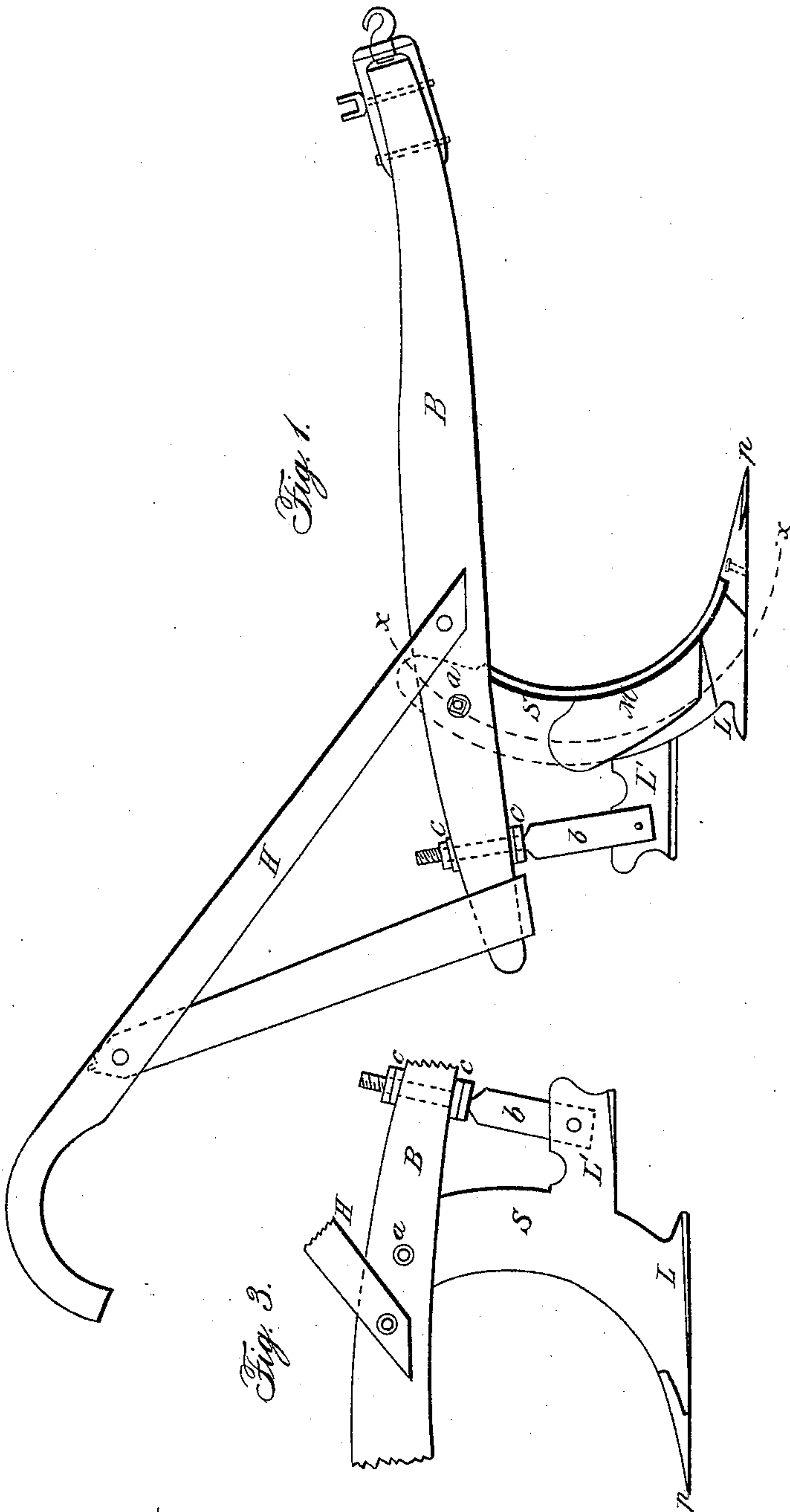


G. UTLEY.
Shovel Plow.

No. 19,658.

Patented Mar. 16, 1858.



UNITED STATES PATENT OFFICE.

G. UTLEY, OF LOUISBURG, NORTH CAROLINA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **19,658**, dated March 16, 1858.

To all whom it may concern:

Be it known that I, GREY UTLEY, of Louisburg, in the county of Franklin and State of North Carolina, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, forming part of this specification, in the several figures of which similar characters of reference denote the same part.

Figure 1 is a side view of the plow complete. Fig. 2 is a top view of the same. Fig. 3 is a land side view. Fig. 4 is a section on line *xx* perpendicular to land side. Fig. 5 is a view of flange by which mold-board is attached to stock.

The plow here considered is a combined subsoil and turn plow. It consists of a subsoil point and landside at the bottom of the stock, and of a vertically-adjustable mold-board above the subsoil portion, having a separate and distinct landside to support the pressure against the mold-board.

In the drawings, B is the beam, H II are the handles, and S the stock. This last part is connected with the beam by bolt *a*, about which it turns as brace *b* is moved by the nuts *c c*, securing it to the beam. This serves to graduate the depth of plowing.

The mold-board M is formed with a flange, *f*, having slots *e e*, as shown in Fig. 5. Bolts *i i* pass through the stock and secure the mold-board thereto, as shown in Fig. 4. The slots *e* permit the vertical adjustment of the mold-board upon the stock.

Opposite to the mold-board, and forming part of the stock, is a secondary landside, *L'*, for resisting the pressure against the turning portion of the plow. At the foot of the stock is a subsoil-point, *p*, and in rear thereof is the usual landside, *L*.

This implement is designed to penetrate the subsoil and turn over the upper soil by the mold-board.

What I claim, and desire to secure by Letters Patent, is—

The combination of the vertically-adjustable mold-board M with the subsoil-point and the two landsides *L L'*, substantially as and for the purpose set forth.

In testimony whereof I have hereunto signed my name before two subscribing witnesses.

GREY UTLEY.

Witnesses:

GEO. PATTEN,

JOHN S. HOLLINGSHEAD.