

(No Model.)

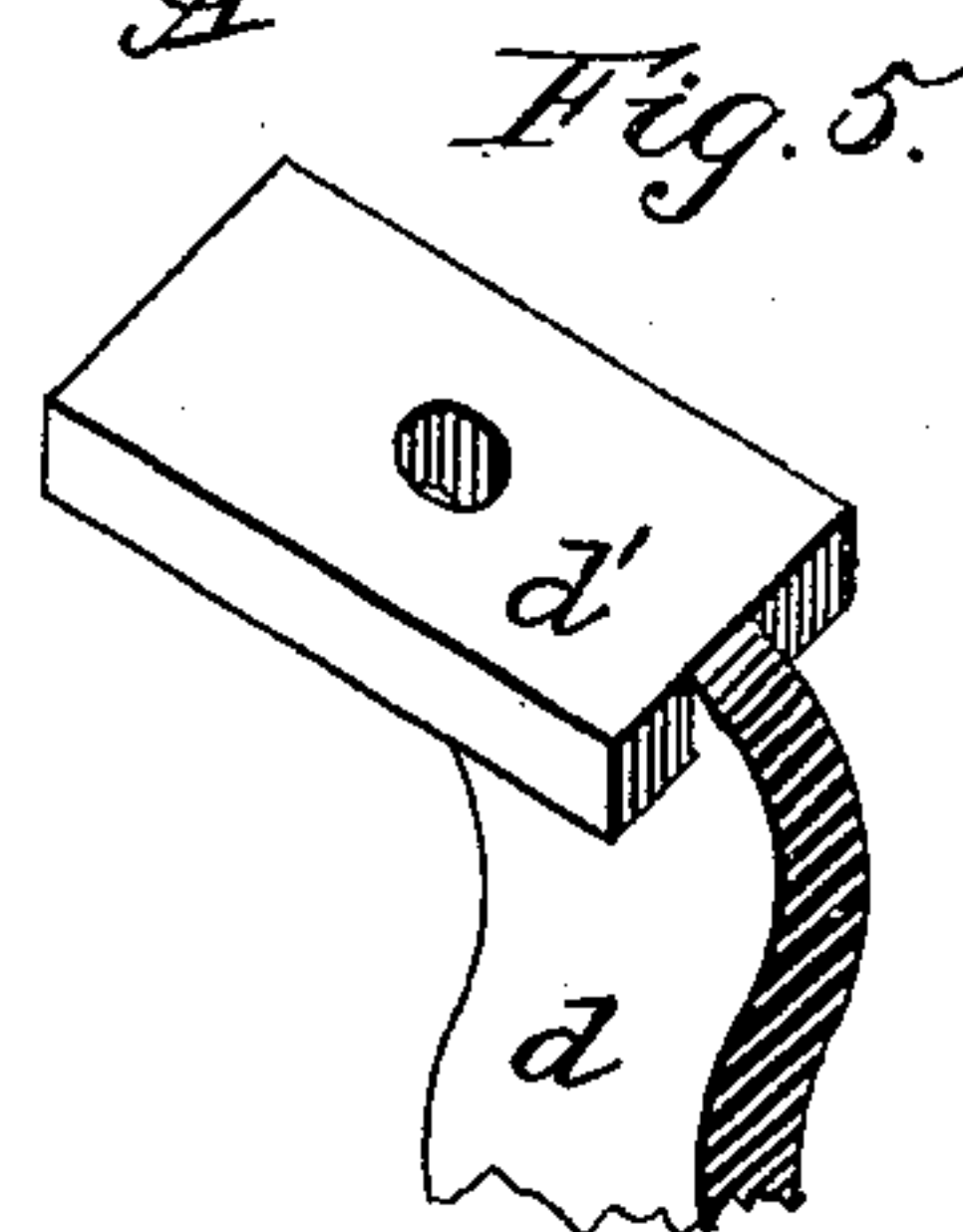
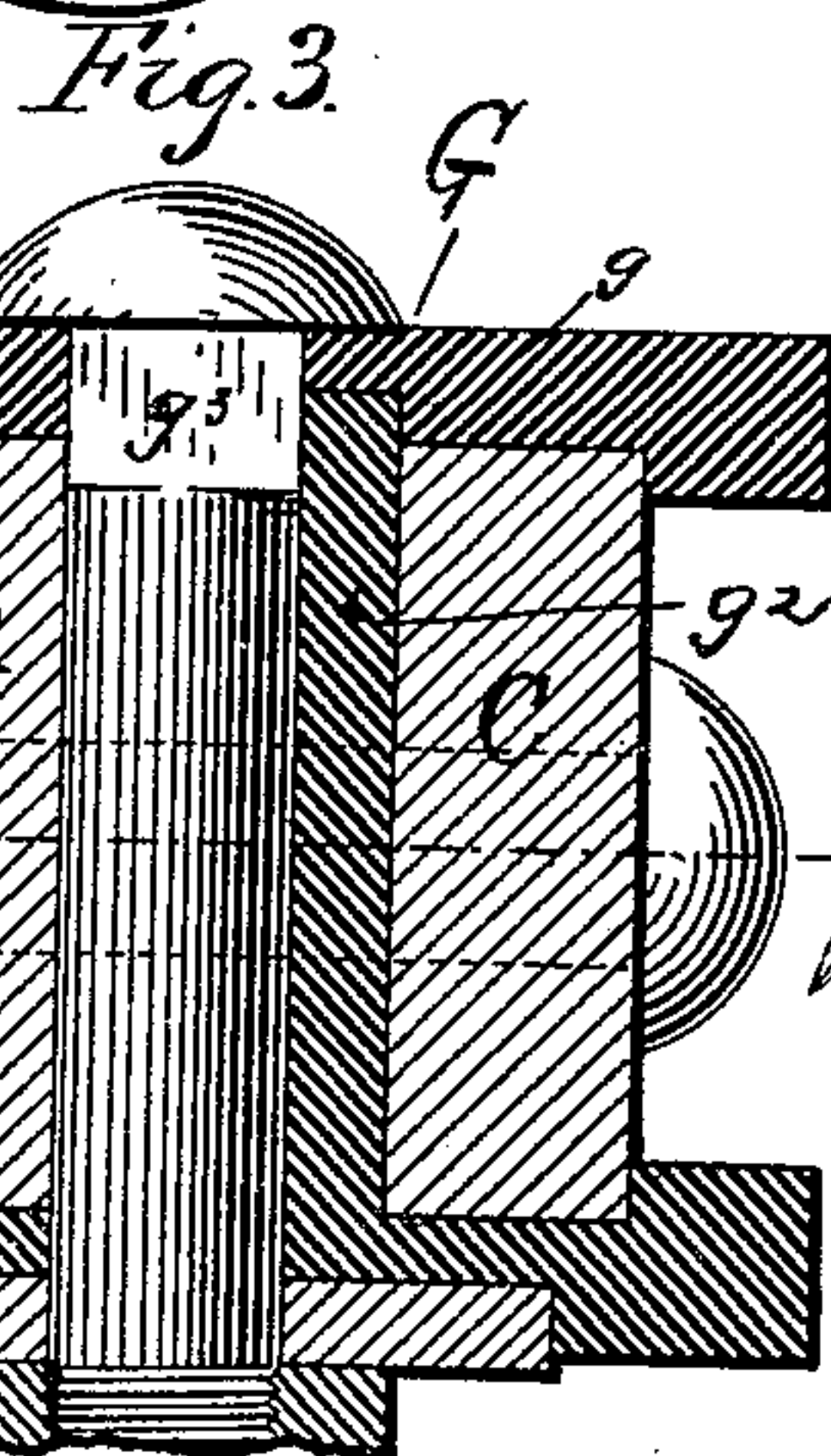
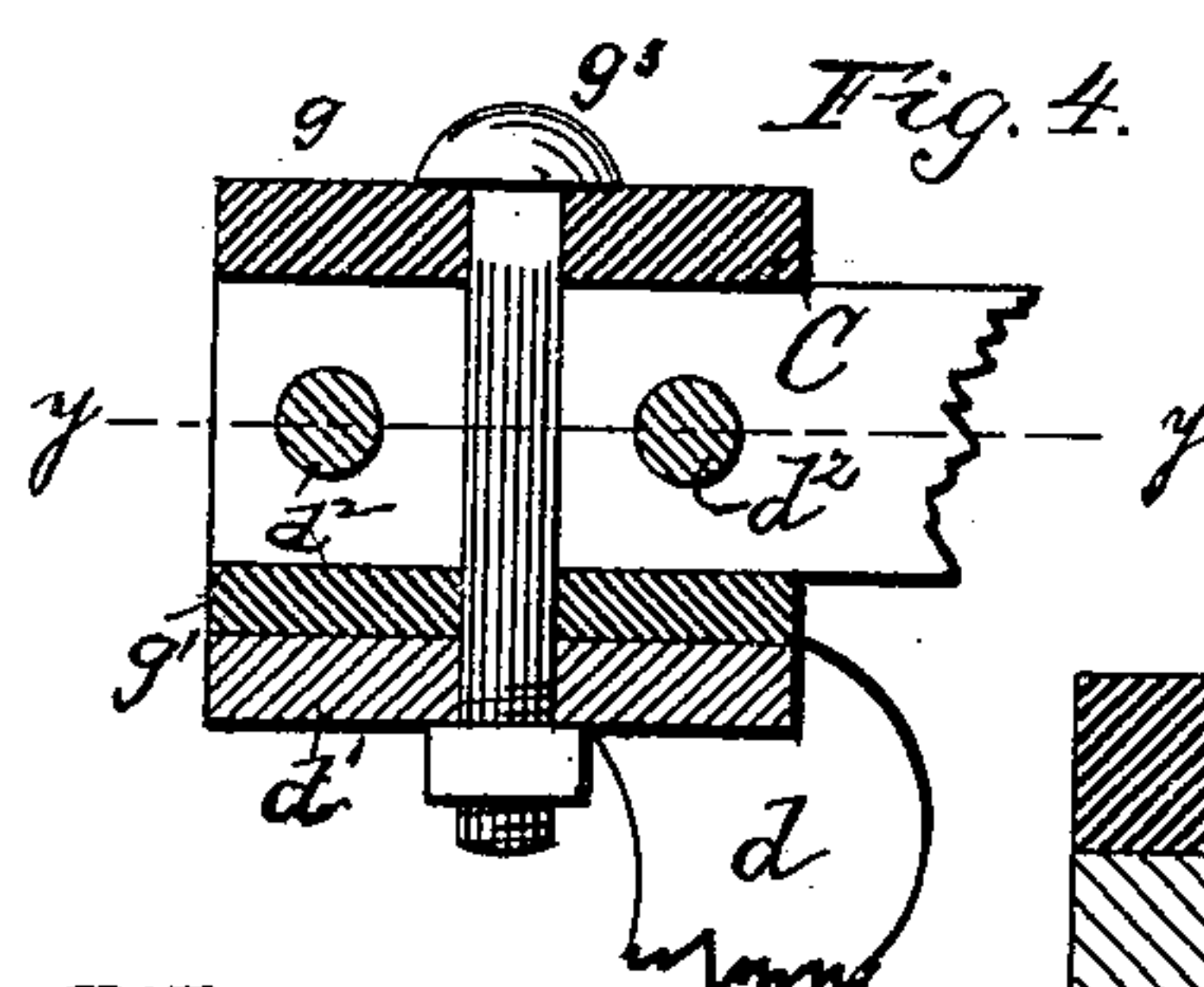
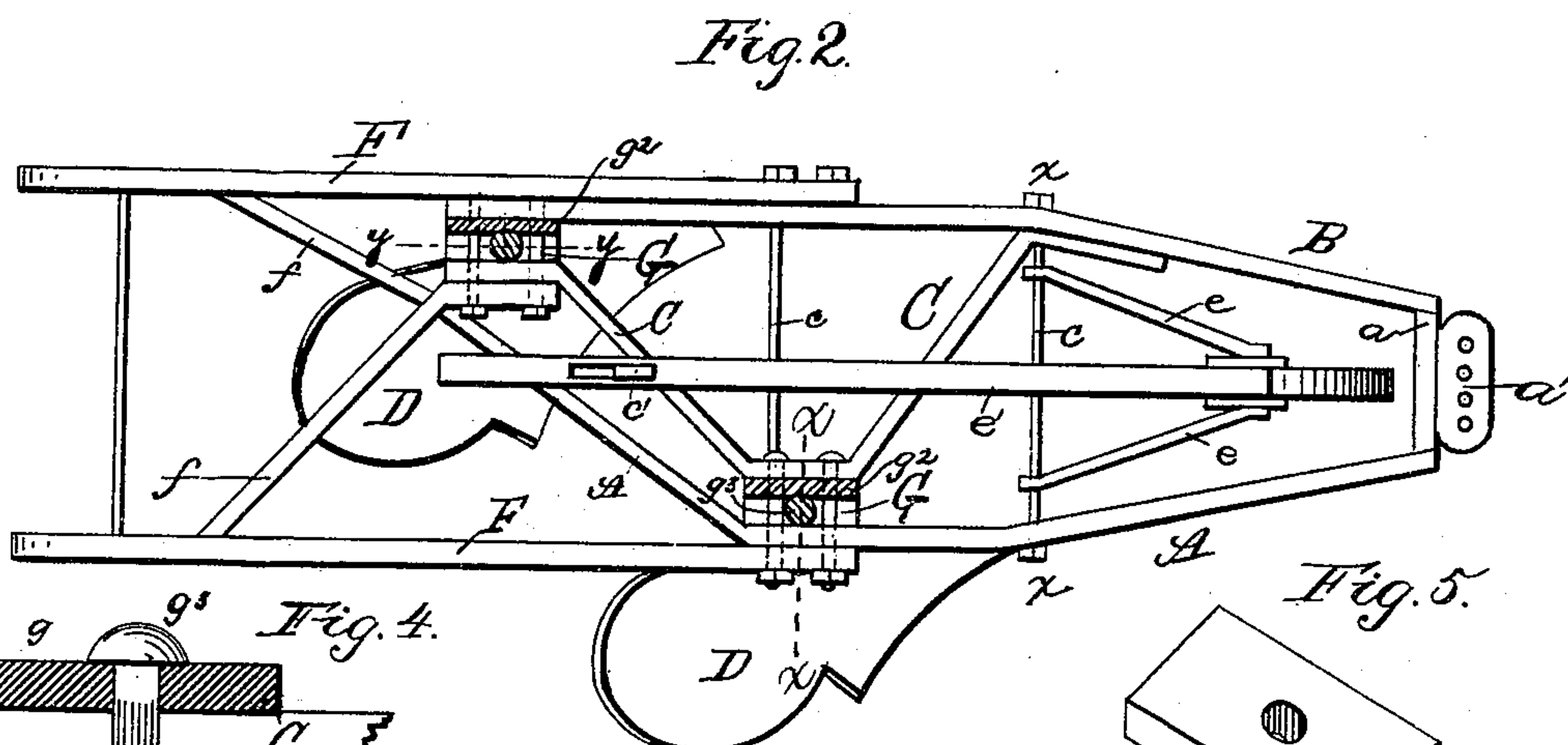
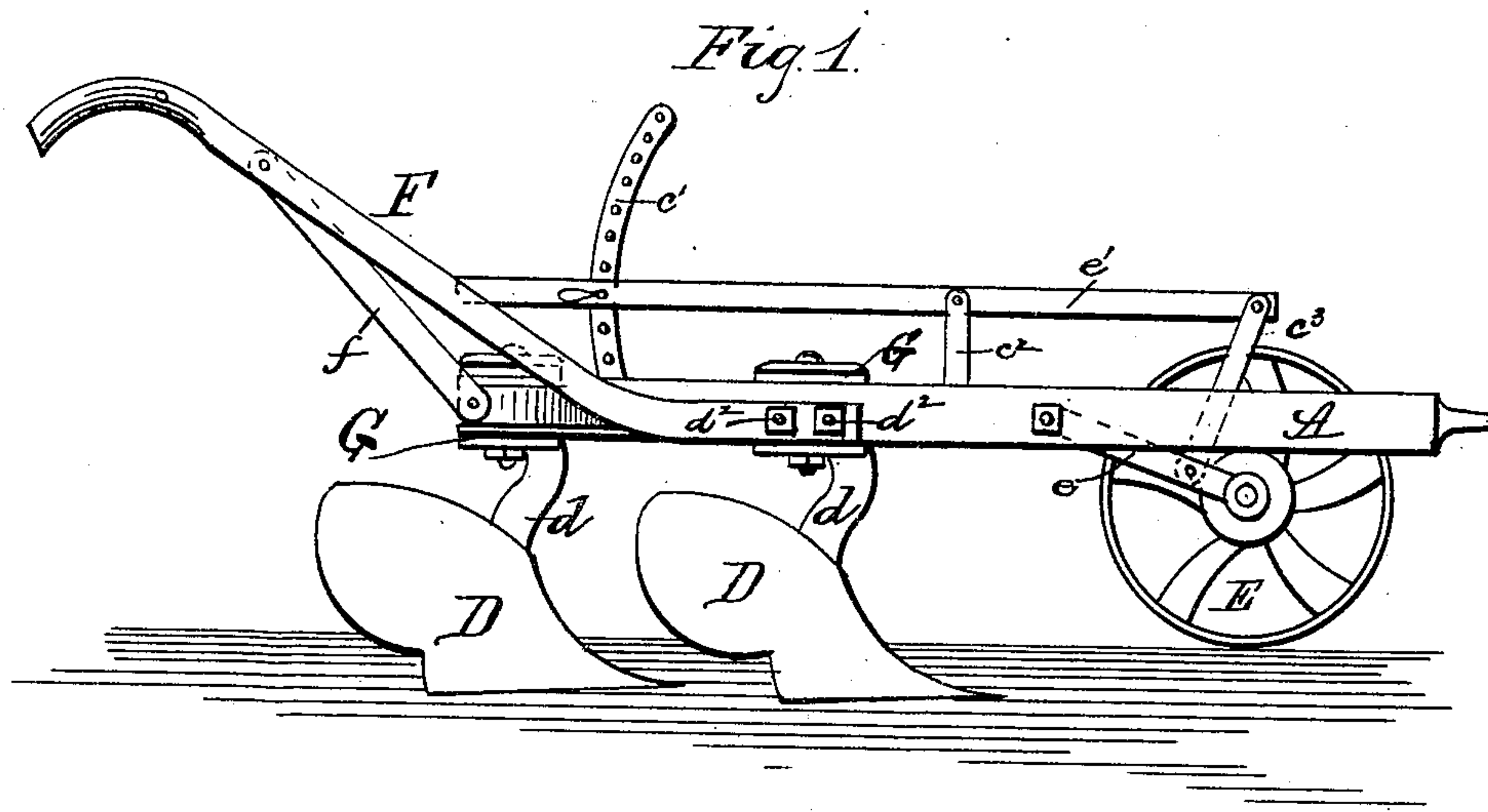
R. K. HEALD, Dec'd.

L. M. HEALD, Administratrix.

PLOW.

No. 263,289.

Patented Aug. 22, 1882.



Witnesses:

W. S. D. Haines.
H. J. Osgood.

Inventor:

Richard K. Heald.
per
Howard A. Thom.
Attorney.

UNITED STATES PATENT OFFICE.

RICHARD K. HEALD, OF HOLLAND, MICHIGAN; LUCINDA M. HEALD, ADMINISTRATRIX OF SAID RICHD. K. HEALD, DECEASED, ASSIGNOR OF ONE-HALF TO SALMON T. GREEN, OF CHARLOTTE, MICHIGAN.

PLOW.

SPECIFICATION forming part of Letters Patent No. 263,289, dated August 22, 1882.

Application filed July 1, 1881. (No model.)

To all whom it may concern:

Be it known that I, RICHARD K. HEALD, a citizen of the United States, residing at Holland city, in the county of Ottawa and State of Michigan, have invented certain new and useful Improvements in Plows; and I do hereby 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 letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in plows; and it consists in the construction and arrangement of its several parts, as will be hereinafter fully set forth, and specifically pointed out in the claim.

In the drawings, Figure 1 is a side view, and Fig. 2 a plan, of my plow. Fig. 3 is an enlarged vertical cross-section of the beam-brace on the line *xx* of Fig. 2, showing the beams clamped therein. Fig. 4 is a vertical longitudinal section on the line *yy* of Fig. 2, and Fig. 5 is a view of the standard-plate.

A, B, and C are the plow-beams. The beams A and B are joined at their forward extremities by the cross-piece *a*, to which is secured the clevis *a'*, as shown. From this point the beams diverge from each other until they reach the point *x*, when they run parallel, the plows D being secured to their ends, as shown. The beam C is bolted between the beams A and B. Its forward end is bolted to the beam B at the point *x*. It then extends across the beam A, is bolted to it, and then is carried backward and secured to the end of the beam B, substantially as shown in Fig. 2. *c c* are braces for further strengthening the plow.

E is an adjustable wheel, by raising or lowering which the plows can be set at different depths. It is hinged to the forward brace, *e*, by the arms *e e*. *e'* is the lever for operating the wheel. It ranges upon the rack *e'*, pivoted to the beam C, is hinged to the stanchion *e''*, and is attached to the arms *e e* by the rod *e'''*, as shown. It is within easy reach of the plow-

man, so that he can adjust the plows without leaving his place or stopping the work.

F F are the handles. They are secured to the ends of the beams, and have braces *ff*, as shown.

G is the beam and standard-brace. It is applied to the plow at the points where the beam C is secured to the beams A and B, and consists of an upper plate, *g*, and a lower plate, *g'*. The lower plate has a central projection or tongue, *g²*, which extends its entire length, as shown. The under side of the plate *g'* is recessed, and in it is bolted the plate *d'* of the plow-standard *d*. The bolt *g³* passes vertically through the brace and standard-plate, and binds the parts firmly together. In Figs. 3 and 4 the brace is shown in position. The plate *g* is placed upon the top of the beams at the points where the joints occur, and is recessed to fit down closely upon them. The plate *g'* is placed beneath the beams, the tongue *g²* projecting upwardly between the beams, as shown. This plate is also recessed to fit closely. The bolts *d² d²* are then placed through the beams and tongue *g²*, and the bolt *g³* vertically through the brace and standard-plate. The parts will then be firmly secured together and great additional strength given to the parts.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

In a plow, the brace for the beams and standard, consisting of an upper plate; *g*, adapted to be placed upon the top side of the beams, and a plate, *g'*, adapted to be placed beneath the beams, and provided with a vertical tongue, *g²*, adapted to enter a suitable recess in the under side of the plate *g*, whereby the plates are more thoroughly secured in place, the whole being bound firmly together, the plates by the bolt *g³* and the beams by the bolts *d²*, substantially as shown and described.

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

RICHARD K. HEALD.

Witnesses:

SAMUEL W. SHERBURNE,
GEORGE W. DUNING.