

E. G. Matthews.

Plow.

N^o 71513

Patented Nov. 26, 1867

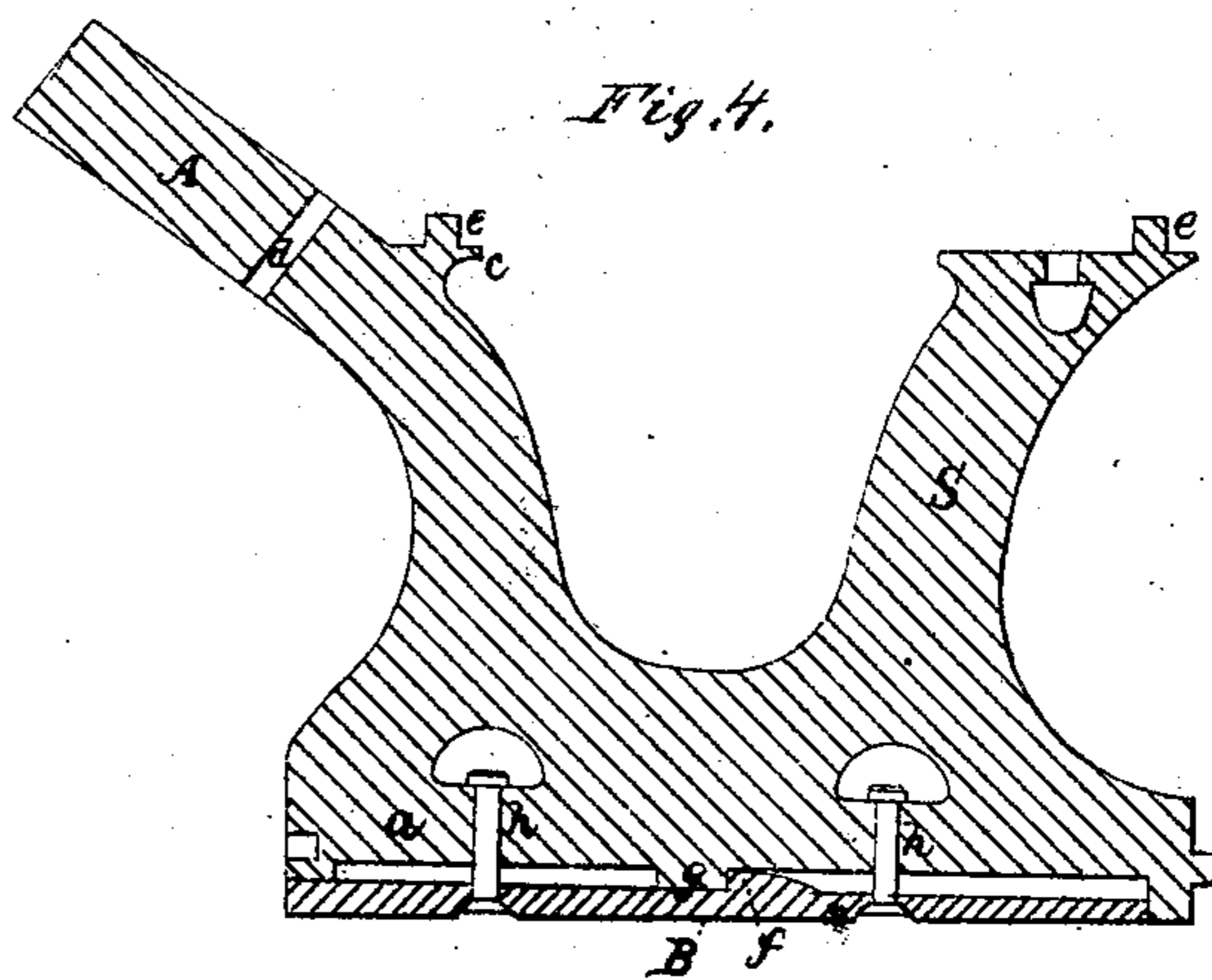
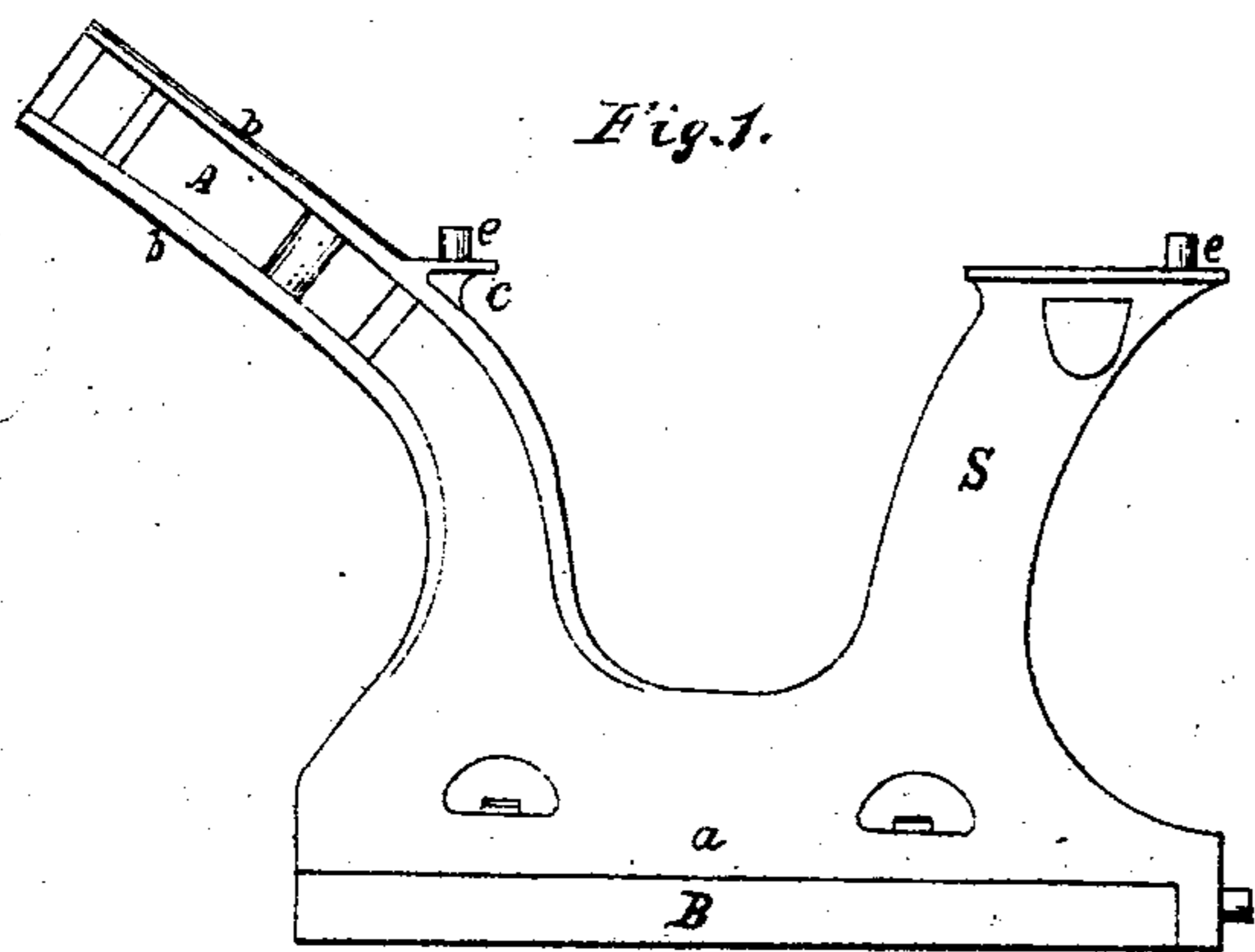


Fig. 3.



Fig. 2.

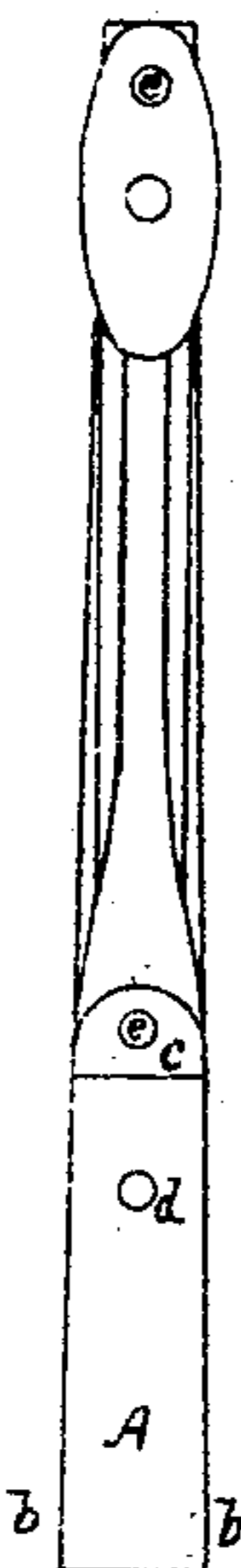
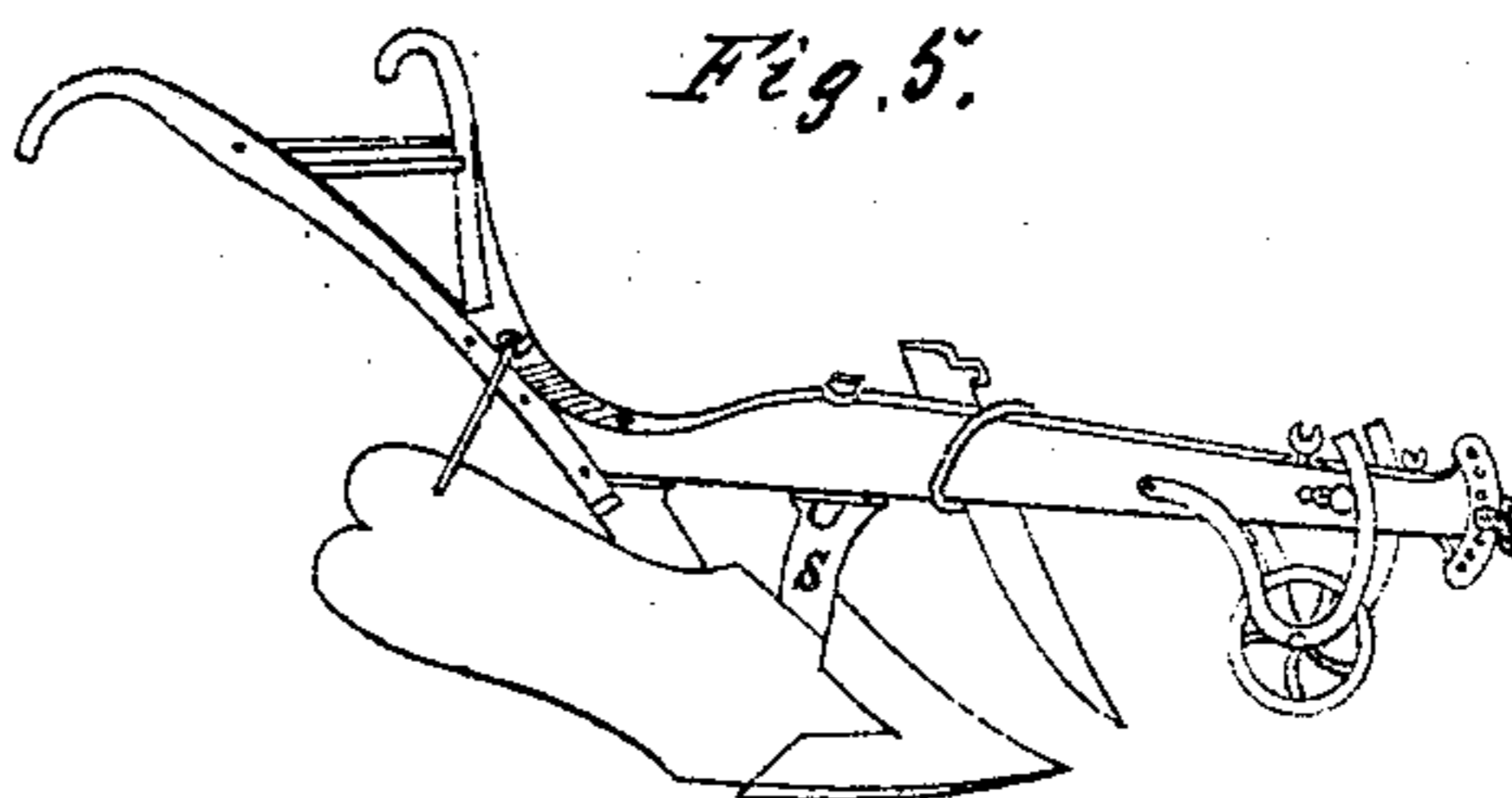


Fig. 5.



Witnesses.
J. W. Piper.
J. A. Snow.

Inventor.
Eubridge G. Matthews.
by his attorney.
R. W. Ledy

United States Patent Office.

ELBRIDGE G. MATTHEWS, OF SOUTH NATICK, ASSIGNOR TO FRANK F. HOLBROOK, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 71,513, dated November 26, 1867.

IMPROVEMENT IN PLOUGHS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, ELBRIDGE G. MATTHEWS, of South Natick, in the county of Middlesex, and State of Massachusetts, have invented a new and useful Improvement in Ploughs; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side elevation,

Figure 2 a top view,

Figure 3 a rear end elevation, and

Figure 4 a longitudinal section of a plough-standard provided with my invention.

Figure 5 is a perspective view of a plough to which my invention appertains.

In such drawings, S denotes what is termed the plough-standard. From the rear part of the face *a* of the standard I extend upward and curve backward, in manner as exhibited in the drawings, an arm, A, flanged on its opposite sides, as shown at *b b b b*. This arm is to sustain the two handles of the plough, which are to be laid against opposite sides of the arm, and between and against its flanges, and are to be bolted to the arm. Furthermore, the arm is to give support to the beam, and is to have an offset or shelf, *c*, projecting from it, for a support or stay to the rear end of the same, and in rear of the said shelf there is to be a hole, *d*, made down through the arm. Both the standard and the shelf are to be provided with projections or studs *e e*, to enter the plough-beam when laid on the shelf and top of the standard. These studs prevent lateral movement of the beam on its supports. The beam, when resting on them, is bolted to the top of the standard. It is also secured down upon the shelf *c* by a bolt going through the beam and the hole *d* of the arm. The base part, *a*, of the standard I provide with a shoe, B, which I fasten thereto by means of screw-bolts and nuts, the same being arranged as represented at *h h* in fig. 4. The shoe B embraces opposite sides of the standard, and is provided with a tooth, *f*, to enter the standard or abut against a buttress, *g*, arranged thereon, in manner as shown in fig. 4. The said tooth and buttress serve to prevent the back strain on the shoe from breaking the bolts by which the shoe is confined to the base of the standard.

I am aware that a plough-standard has heretofore been made with a short arm below the beam, and to give support to one of the handles of the plough, therefore, I do not claim such. My arm A extends upward, so as to support both handles and the plough-beam. Therefore—

1. I claim the arrangement of the arm A, its flanges and shelf *c*, or their equivalents, with the plough-standards S, and its base *a*, as described.

2. I also claim the arrangement of the tooth *f* and the buttress *g* with the plough-standard and its shoe, as set forth.

3. I also claim the plough-standard as made with an arm to extend back and up from its base, so as to give support to the two handles and the beam, substantially as set forth.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.

ELBRIDGE G. MATTHEWS.