

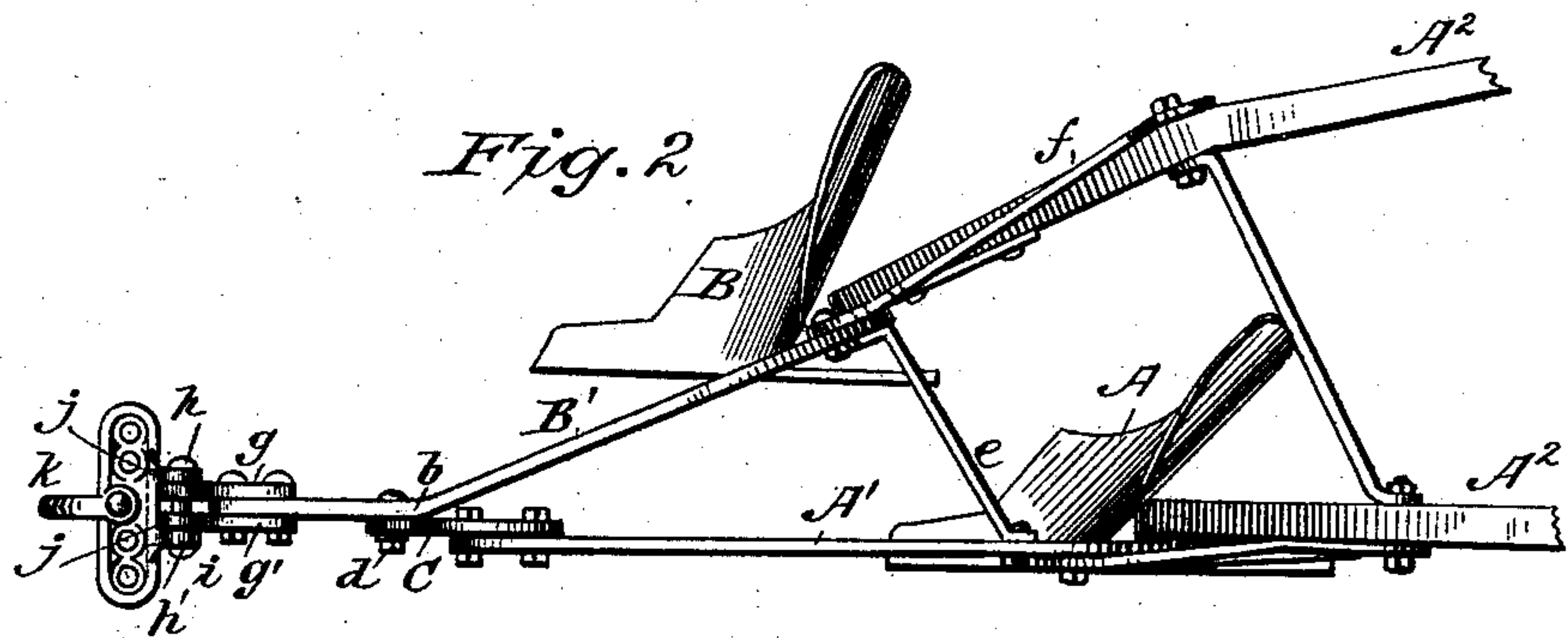
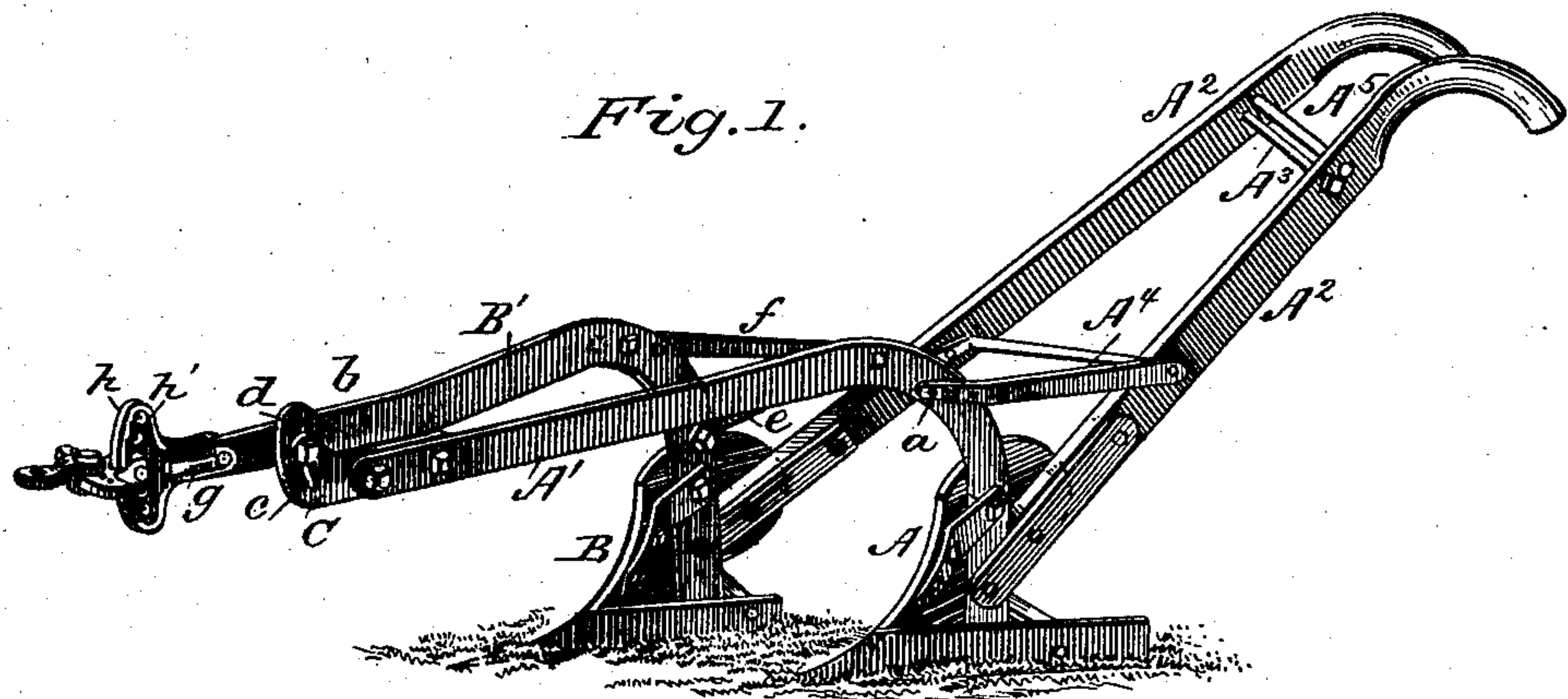
(No Model.)

2 Sheets—Sheet 1.

A. J. SMITH  
PLOW.

No. 372,179.

Patented Oct. 25, 1887.



WITNESSES:

*Fred G. Dieterich*  
*Edw. W. Payne.*

INVENTOR:

*A. J. Smith*  
BY *Munn &*  
ATTORNEYS.

(No Model.)

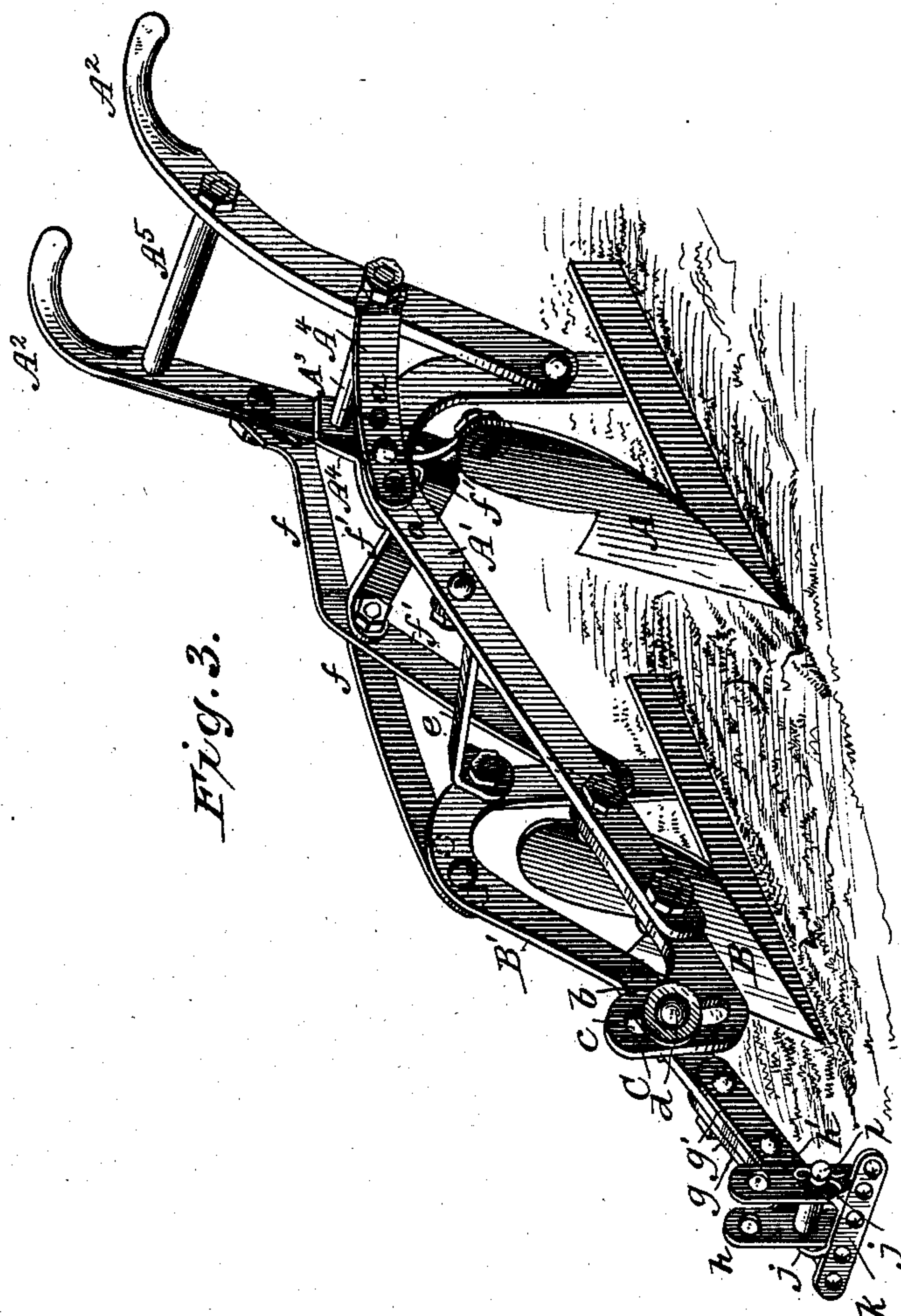
2 Sheets—Sheet 2.

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PLOW.

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Patented Oct. 25, 1887.



**WITNESSES:**

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Fred. G. Dieterich  
Edw. W. Byrn.

**INVENTOR:**

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said Court, at New York, this 10th day of May, 1888.

A. J. Smith  
BY Mann & L  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

ANDREW JACKSON SMITH, OF WHEATLAND, OREGON.

## PLOW.

SPECIFICATION forming part of Letters Patent No. 372,179, dated October 25, 1887.

Application filed April 13, 1887. Serial No. 234,712. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW JACKSON SMITH, of Wheatland, in the county of Yam Hill and State of Oregon, have invented a new and useful Improvement in Plows, of which the following is a specification.

My invention relates to turn-plows; and it consists in the peculiar construction and arrangement of parts, whereby it may be converted by a very simple adjustment either into a single or double plow, according to the use to be made of the same.

Figure 1 is a side elevation; Fig. 2, a plan view, and Fig. 3 a perspective view of a modification.

A represents the mold board, A' the curved iron beam, and A<sup>2</sup> A<sup>2</sup> the wooden handles, of a common form of turn-plow. The handles are connected to each other by the cross-bars A<sup>3</sup> A<sup>5</sup>, and said handles are also connected to the beam by brace A<sup>4</sup>, whose forward end is provided with a number of holes, *a*, by which the inclination of the handles may be adjusted to adapt them to the size of the plowman.

B is the mold-board of another plow, set in advance of A and provided with a curved metal beam, B'.

The beam A' of the plow A occupies a true vertical plane in alignment with the landside of the plow A, (see Fig. 2,) while the beam B' of the plow B is offset or bent at *b*, so that its front end is parallel with beam A', while its rear portion diverges at an angle thereto, so as to throw the plows apart into the lines of their respective furrows. At the bend *b* the beam B' is connected to beam A' by a connecting-piece, C, whose rear end is bolted by two bolts to the front end of beam A', and whose front end is provided with a vertical slot, *c*, through which a bolt, *d*, passes to connect the two beams together adjustably.

For connecting the rear portion of plow and beam B B' to the other plow the following system of bracing is employed: A cross-brace, *e*, is bolted to the two plow-beams, and the rear portion of beam B' is connected by a brace, *f*, with the right-hand plow-handle, and the up-

per section of this brace, where it connects with the plow beam and handle, is provided with several bolt-holes in front and a slot in the rear for adjustment. At the front end of the plow-beam is a clevis consisting of perforated plates *g g'*, one on each side of the beam and bolted to the beam by two bolts, which plates have at their front ends offsetting ears *h h'*, with a vertical series of holes in them to receive a horizontal bolt, *i*, that passes through lugs *j j* of a horizontal draft-plate, *k*, so as to form a hinge-joint therewith. Into any of the holes in this draft-plate the draft-hook of the team is fastened, the plows being made to draw to the right or left, according to the position of the draft-hook in these holes.

I am aware of the fact that it is not broadly new to connect two turn-plows together to form a double plow, as shown in Patents Nos. 166,734, 64,906, and others, and I only claim my peculiar means for connecting and bracing the same, which makes a very light and strong construction and one capable of simple, quick, and easy adjustment.

Having thus described my invention, what I claim as new is—

1. The combination, with mold-board A and beam A' and the mold-board B and beam B', bent at *b*, as shown and described, of the connecting-piece C, bolted to one of said beams and having a slot and screw-bolt for connecting it to the other, for securing the two beams together and adjusting them in relation to each other, and a single pair of handles and braces connecting with the rear ends of the plows, substantially as shown and described.

2. The combination, with the two plow-beams A' B', having each two bolt-holes in their forward ends, of the coupling-piece C and clevis having corresponding holes to render them interchangeable in converting the implement from a double to a single plow, as described.

ANDREW JACKSON SMITH.

Witnesses:

A. P. MAGNESS,  
M. B. FOWLE.