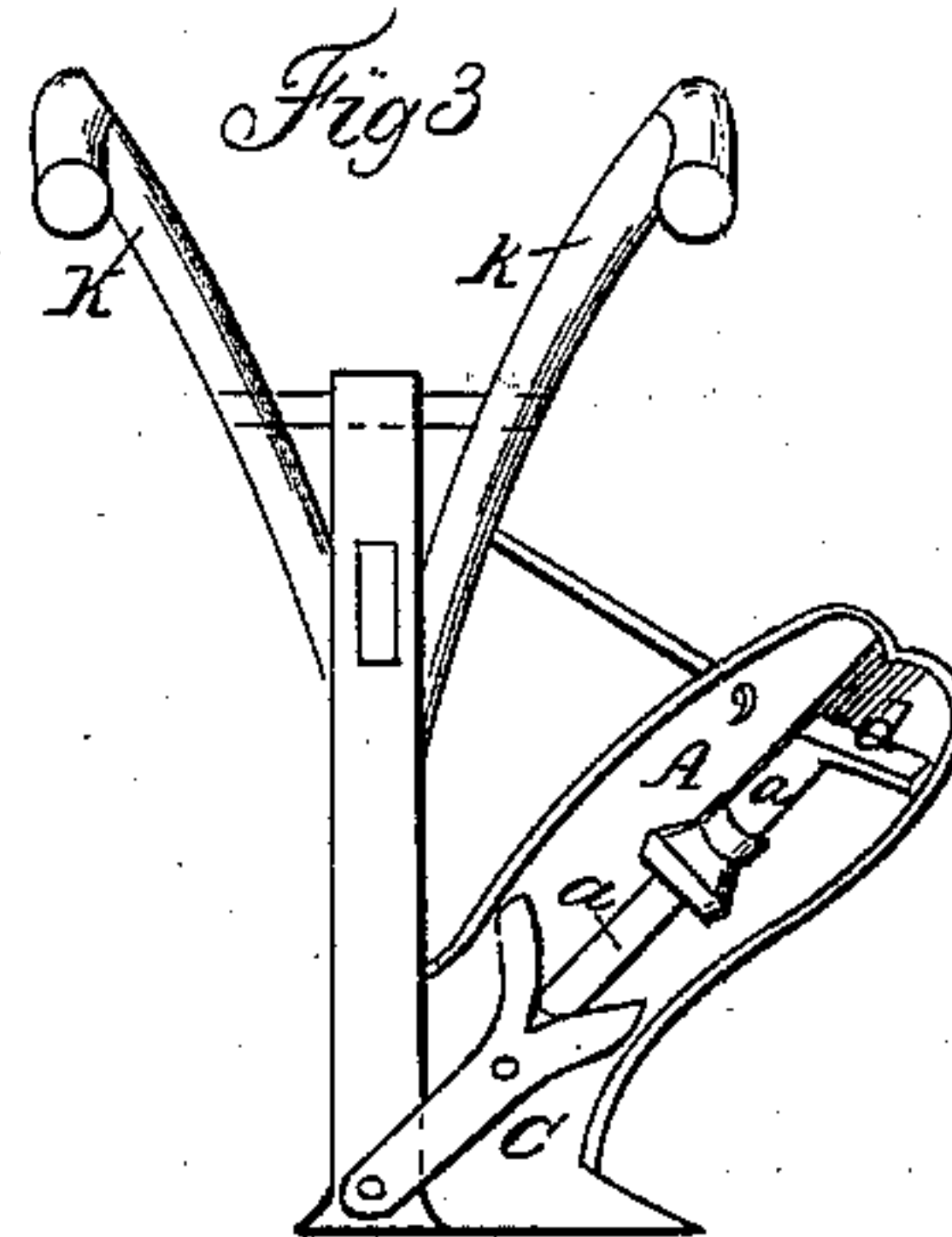
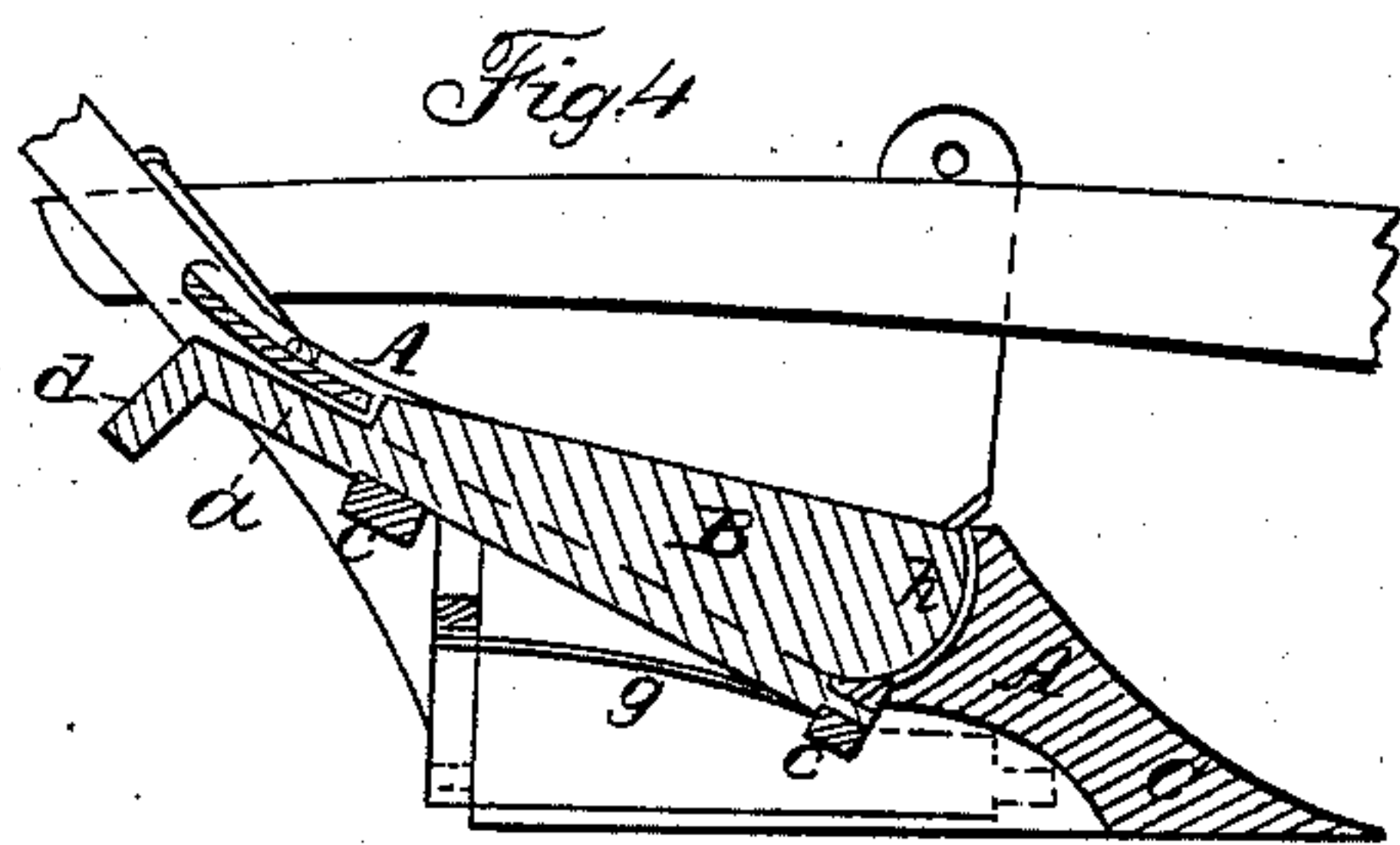
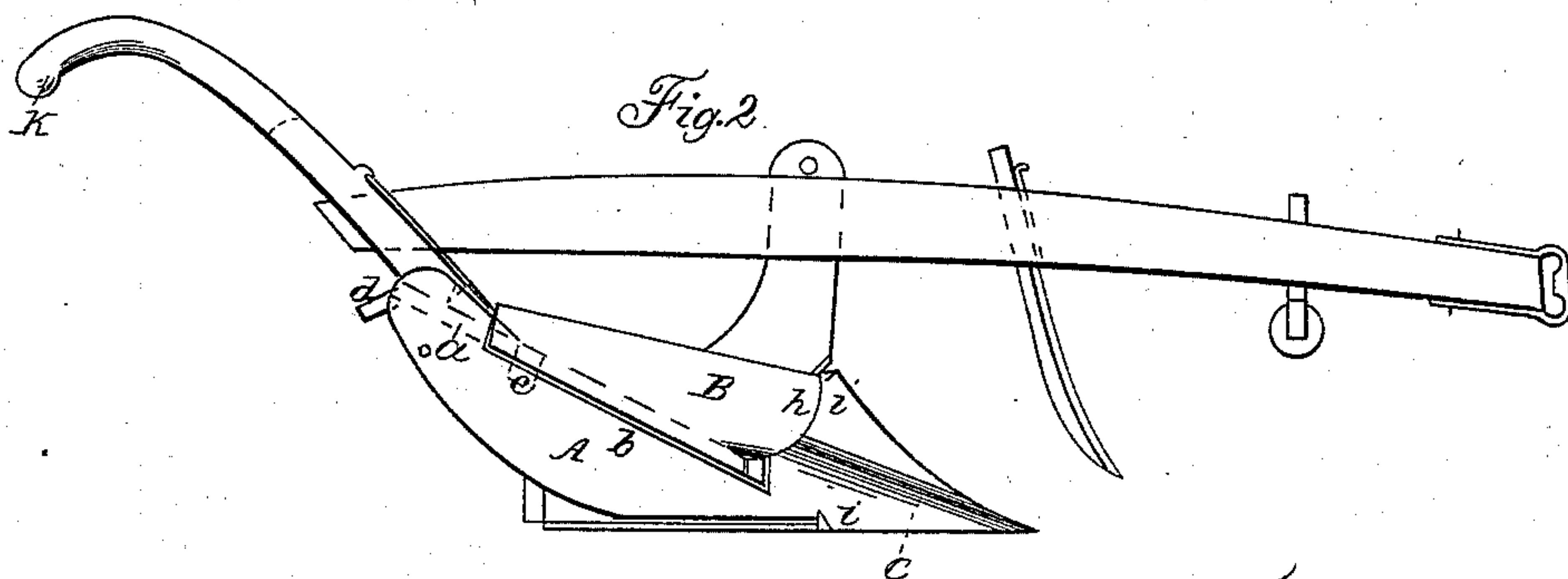
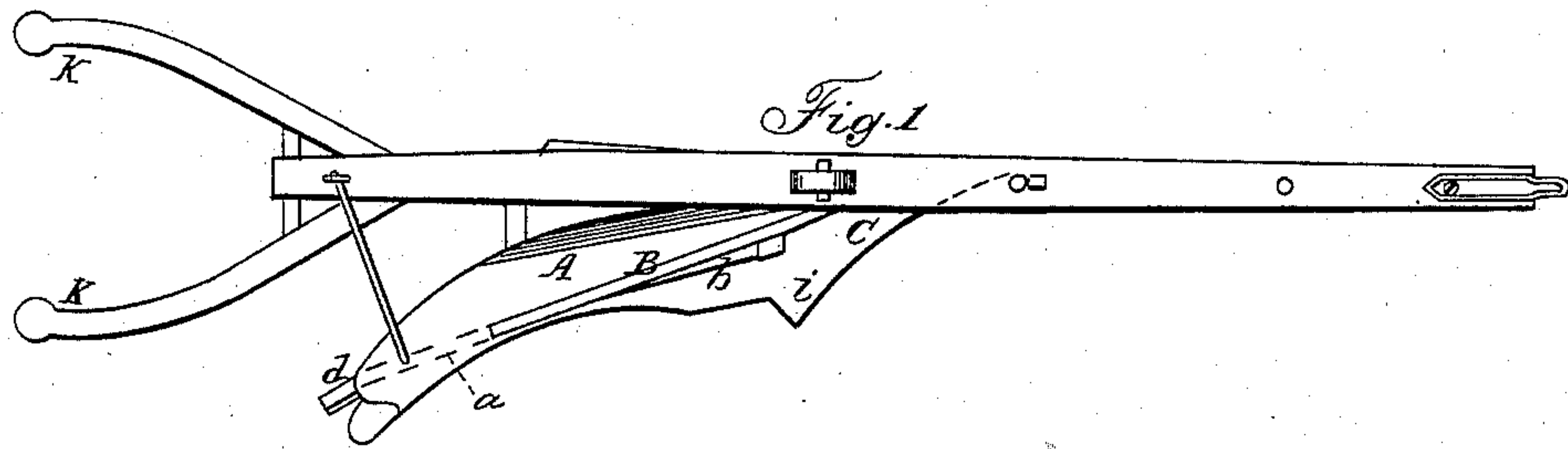


A. SANBORN.  
Side-Hill Plow.

No. { 1,583, }  
      { 32,587. }

Patented June 18, 1861.



Witnesses  
J. P. Hale  
Wm. Neill

Inventor  
Augustus Sanborn

# UNITED STATES PATENT OFFICE.

AUGUSTUS SANBORN, OF GLOVER, VERMONT.

## IMPROVEMENT IN HILLSIDE-PLOWS.

Specification forming part of Letters Patent No. 32,587, dated June 18, 1861.

*To all whom it may concern:*

Be it known that I, AUGUSTUS SANBORN, of Glover, in the county of Orleans and State of Vermont, have invented a new and useful Improvement in the Hillside-Plow; and I 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 top view, Fig. 2 a side elevation, and Fig. 3 a rear elevation, of a hillside-plow provided with my invention. Fig. 4 is a longitudinal section of the reversible mold-board and its adjustable wing, the combination and arrangement of which constitute the principal part of my said invention.

The mold-board of the common hillside-plow, owing to the form necessarily required to be given to it, is apt, while the plow is in use, to cause more or less of the earth to rise over the same and fall between it and the plow-beam. To avoid this difficulty, and to enable the plow to be employed to advantage on level land as well as on a slope, I have combined with the reversible mold-board A an adjustable wing or auxiliary mold-board, B, which is arranged along the middle or course of the outer surface of the reversible mold-board, and formed as shown in the drawings. This wing B should be hinged to the reversible mold-board; or, as shown in the drawings, it should project from a shaft, *a*, arranged within a recess or slot, *b*, made in the mold-board A, the shaft being supported in bearings *c c*, and being provided at its rear end with an

arm, *d*, arranged at an obtuse angle to the shaft. The shaft also is provided with a friction-spring, *g*, which projects from it and bears against the rear surface and re-entering angle of the mold-board. The said wing B may be turned so as to have its front end or part, *h*, bear against either of the posts or ears *i i* of the furrow-opener C of the plow, and when turned upward the wing, while the plow may be in use, serves to deflect the earth that may be thrown up by the furrow-opener; or, in other words, to prevent such earth, or any part of it, from passing over the top part of the main mold-board.

The arm *d* serves to enable a person to move the wing B by means of his foot, while his hands may have hold of the handles *k k* of the plow, the spring *g* operating to maintain the wing in its position while raised upward.

I claim—

1. The combination and arrangement of the auxiliary mold-board or wing B with the hillside-plow, or its reversible mold-board A, and to operate therewith substantially as specified.

2. The combination and arrangement of the bent arm *d* with the wing B and the reversible mold-board, the said arm being to enable a person to move the wing under circumstances and by means as described.

AUGUSTUS SANBORN.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.