

J. Häge,

Plow,

N^o 63,381.

Patented Apr 2 1867

Fig 1

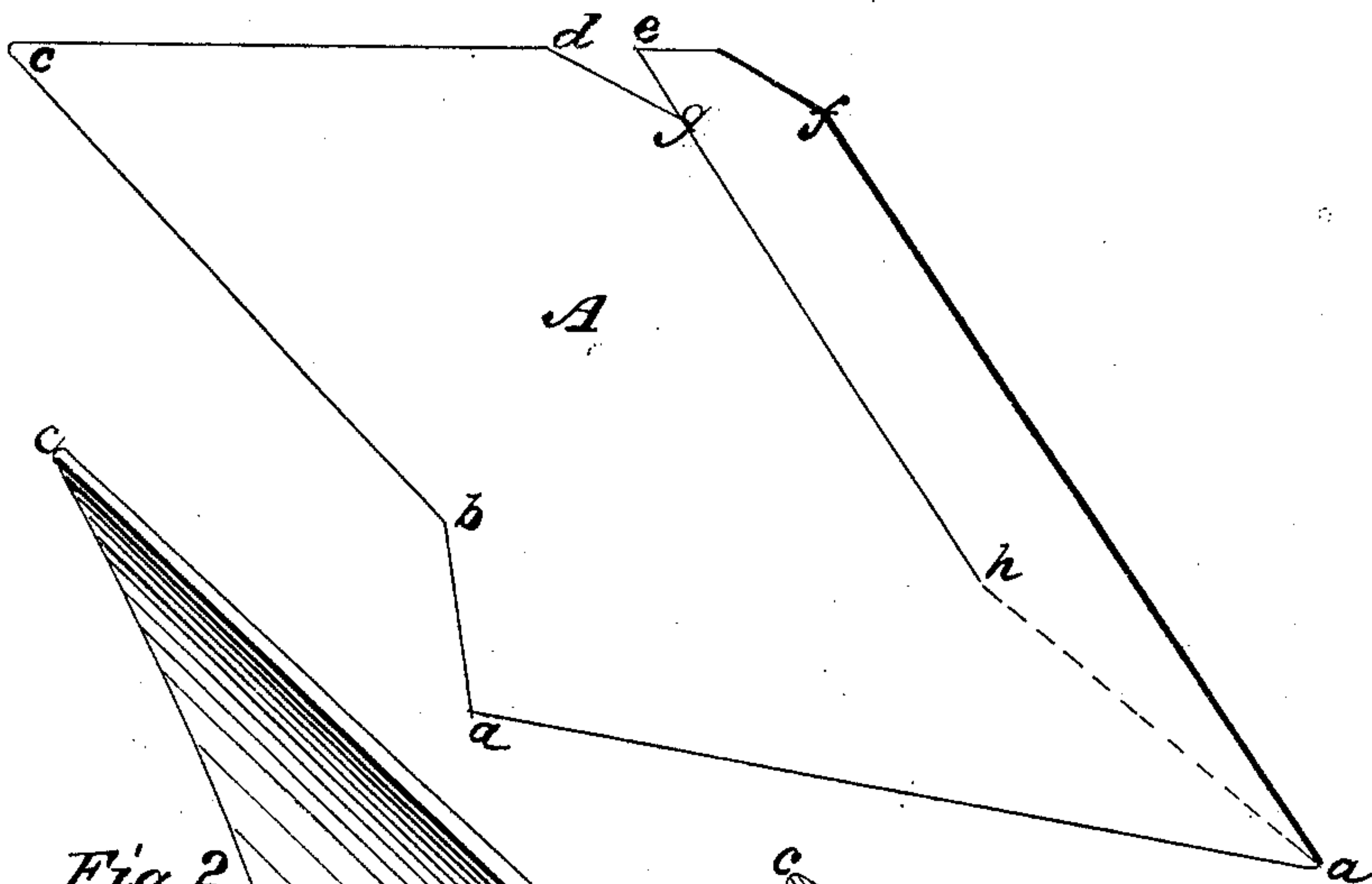


Fig 2

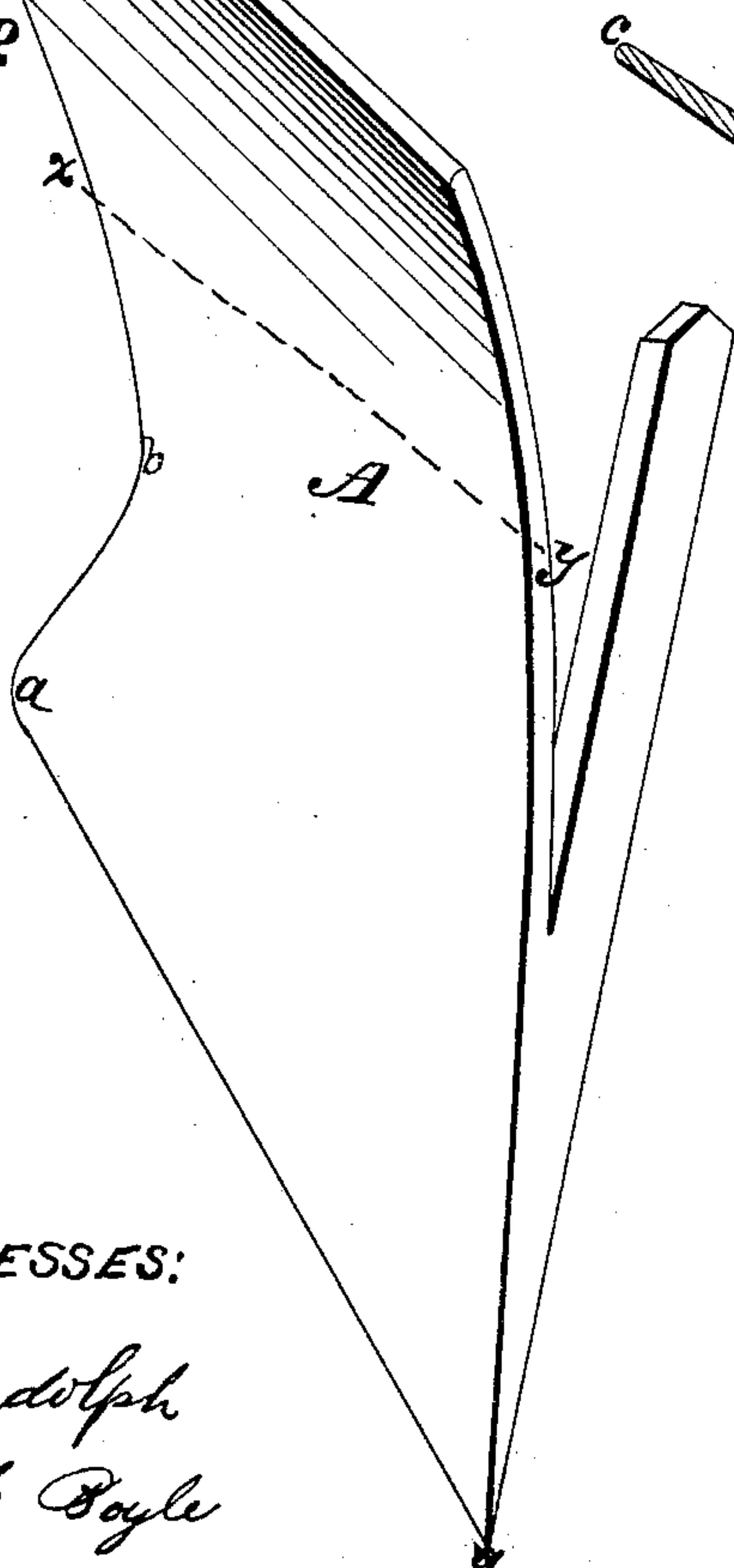
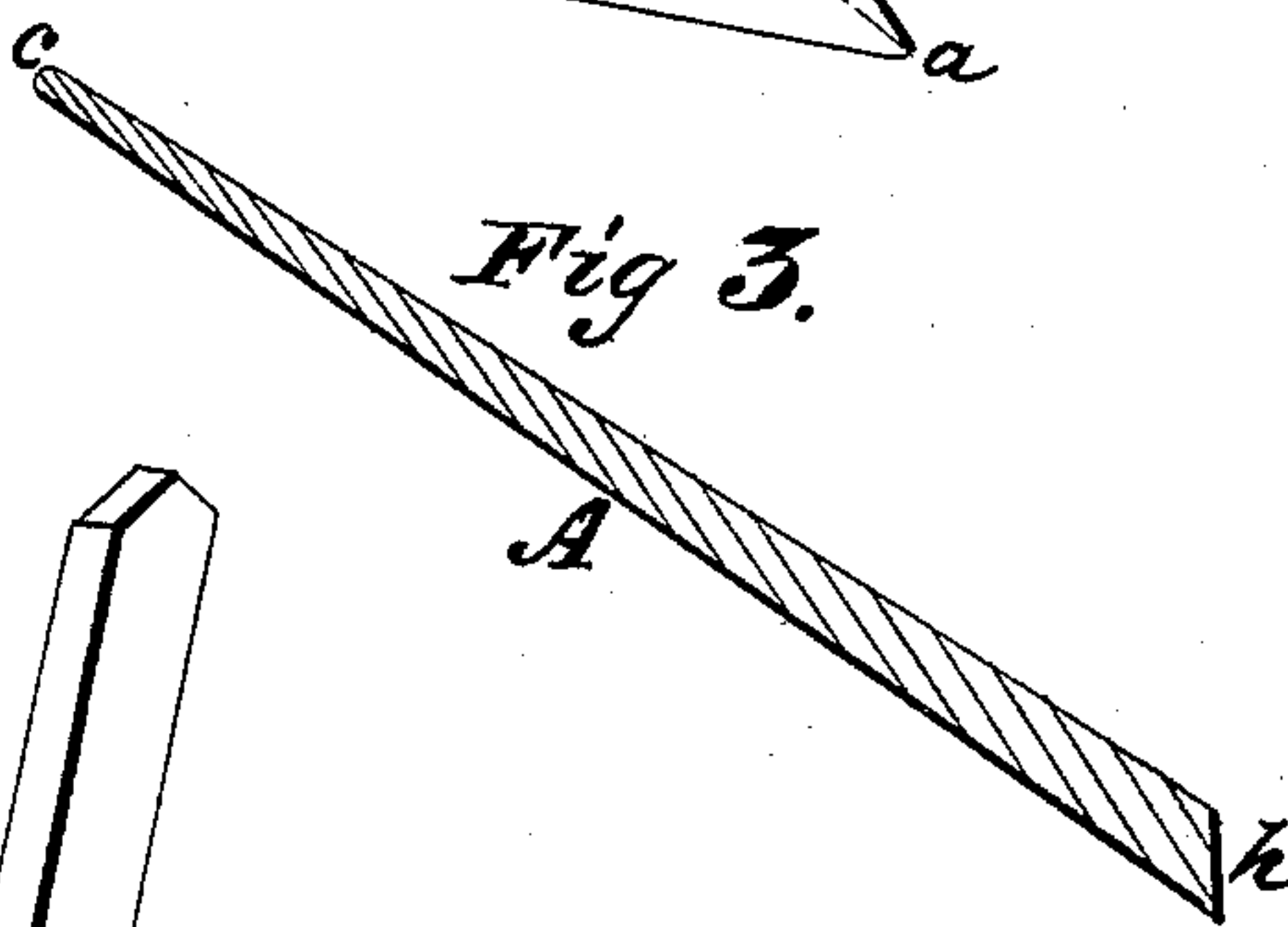


Fig 3.



WITNESSES:

M Randolph
Chas. H. Boyle

INVENTOR:

Jan C. Zviya

United States Patent Office.

JACOB HÄGE, OF SHILOH, ILLINOIS.

Letters Patent No. 63,381, dated April 2, 1867.

IMPROVEMENT IN PLOUGHS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JACOB HÄGE, of Shiloh, in the county of St. Clair, and State of Illinois, have made certain new and useful improvements in Ploughs; and I do hereby declare that the following is a full and clear description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

This invention relates, firstly, to the making of a plough of one single piece of metal; and, secondly, to the formation of that piece thicker on one side than the other, so as to present the thickest part of the mould-board and share to that side of the plough nearest the land-side where the wear is greatest.

To enable those skilled in the art to make and use my improved plough, I will proceed to describe its construction and operation.

Figure 1, of the drawings, is a plan of a sheet of metal cut to the proper form to make a complete plough.

Figure 2 is a perspective elevation of the complete plough.

Figure 3 is a section across the plough, taken on the line *xy* in fig. 2.

The plate A, as seen in fig. 1, is clipped to the proper size and shape to form a complete plough. The line *aa* of the plate A is the same as the line of the front of the share of the plough B, indicated by the same letters. From this base line, as a starting point, the whole contour of the plough B may be easily traced as being formed from the plate A, as the same letters of reference are used to indicate the same points in both figures. The plate A thus trimmed to the proper size and shape, a slit, *eh*, is cut in it so as to leave the piece *efha* of the proper size and shape for the land-side of the plough. The plough is then completed by bending the land-side piece down into its proper position alongside of the mould-board, by bending it along the line *ah*, and also by bending or pressing the part of the plate up into the proper form for the share and mould-board. A small triangular piece, *deg*, may be cut out of the plate, so as to give a better shape to the inner top corner of the mould-board, but that is all the waste that need be made after the plate has been properly trimmed to the shape desired. That part of the mould-board which is nearest the land-side will always wear thin much faster than the other side, and for this reason I make the plate A say twice as thick along the side *af* as along the side *abc*. This gives sufficient thickness to the side most worn, without unnecessarily weighting down the side not worn.

Having described my invention, what I claim, is—

1. As a new article of manufacture, the plough B, when formed of one single piece of metal, substantially as described and set forth.

2. I claim the plough B, when constructed with an excess of metal in that side of the mould-board and share nearest the land-side, substantially as described and set forth.

JACOB HÄGE.

Witnesses:

M. RANDOLPH,

S. M. RANDOLPH.