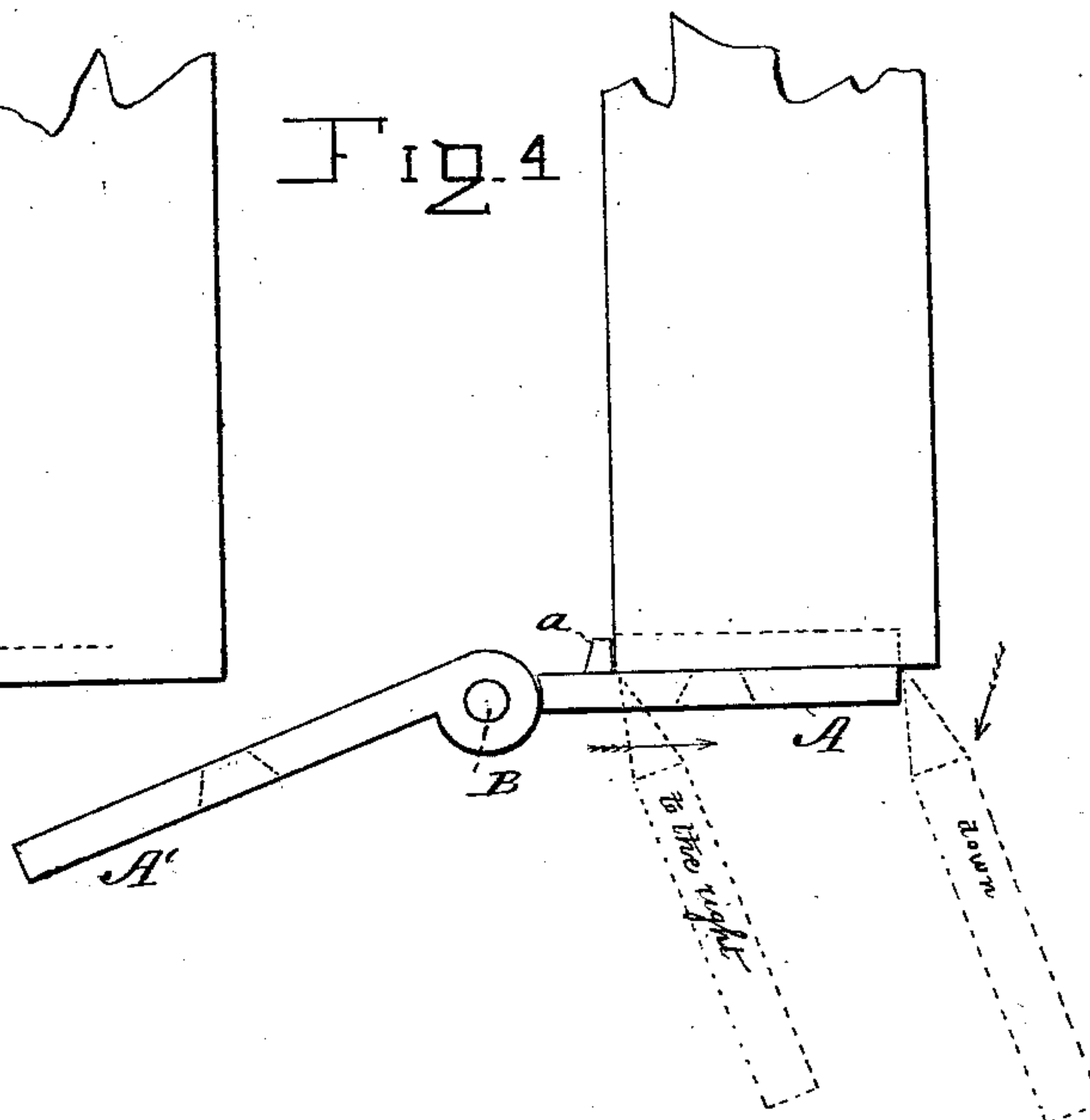
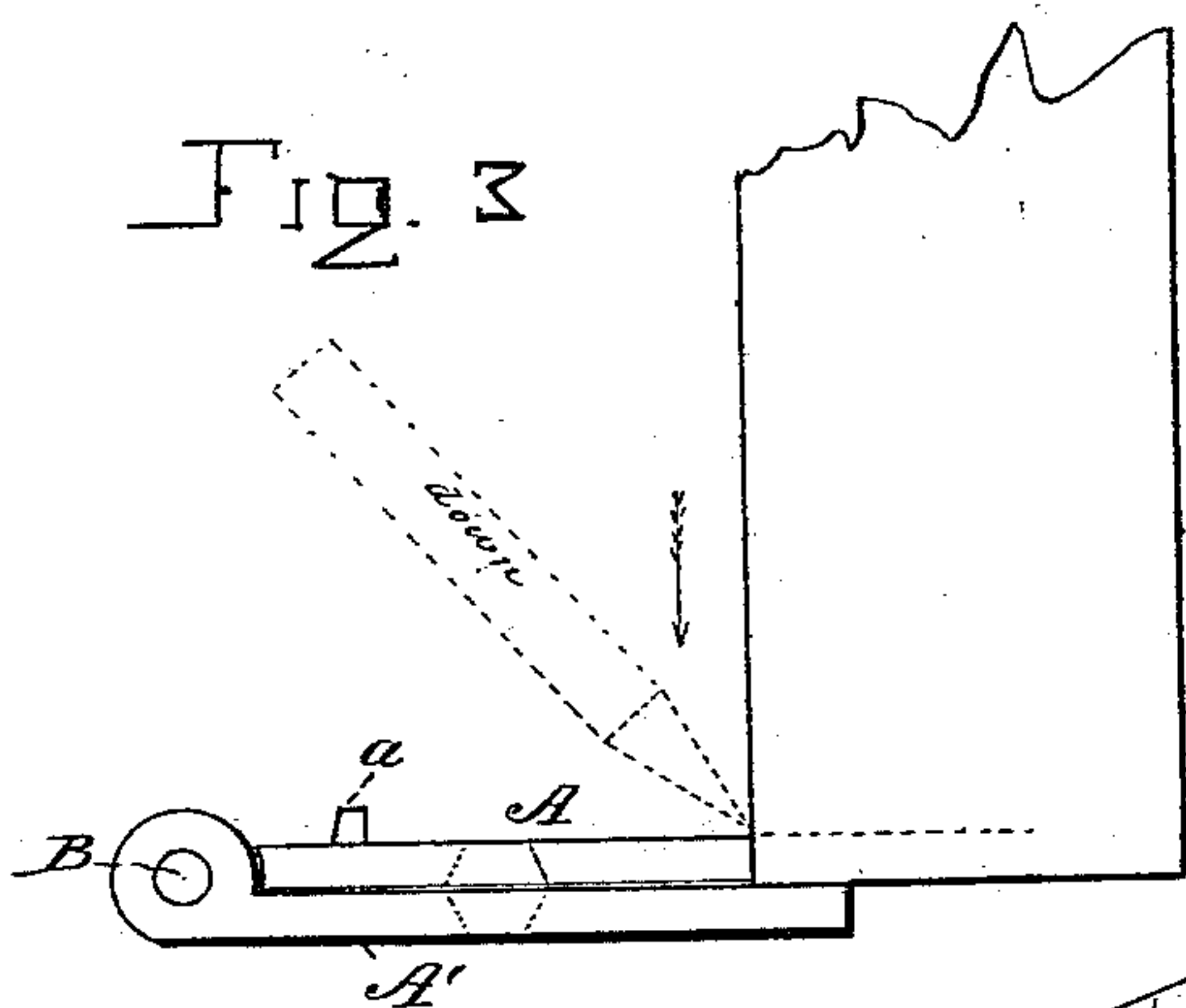
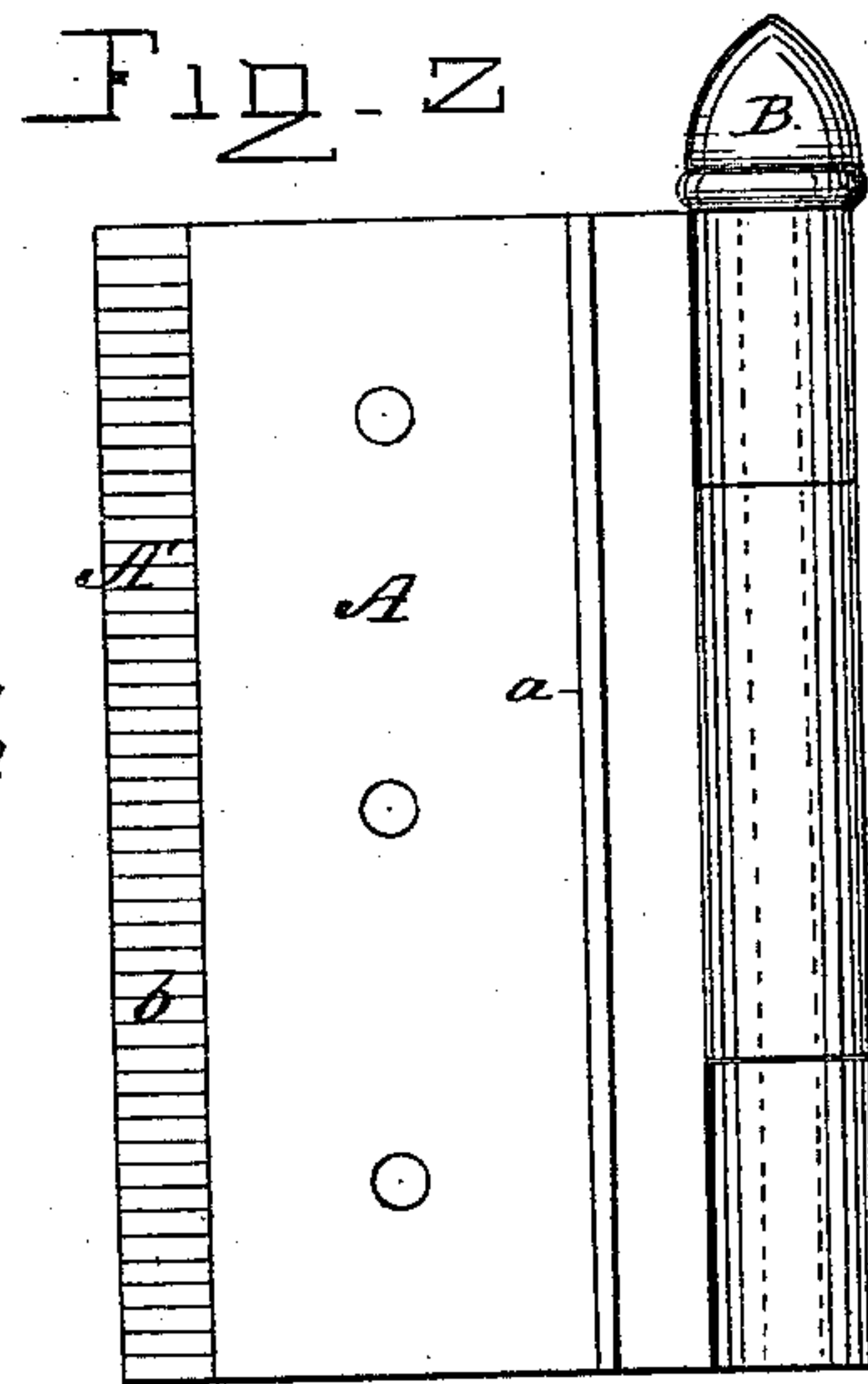
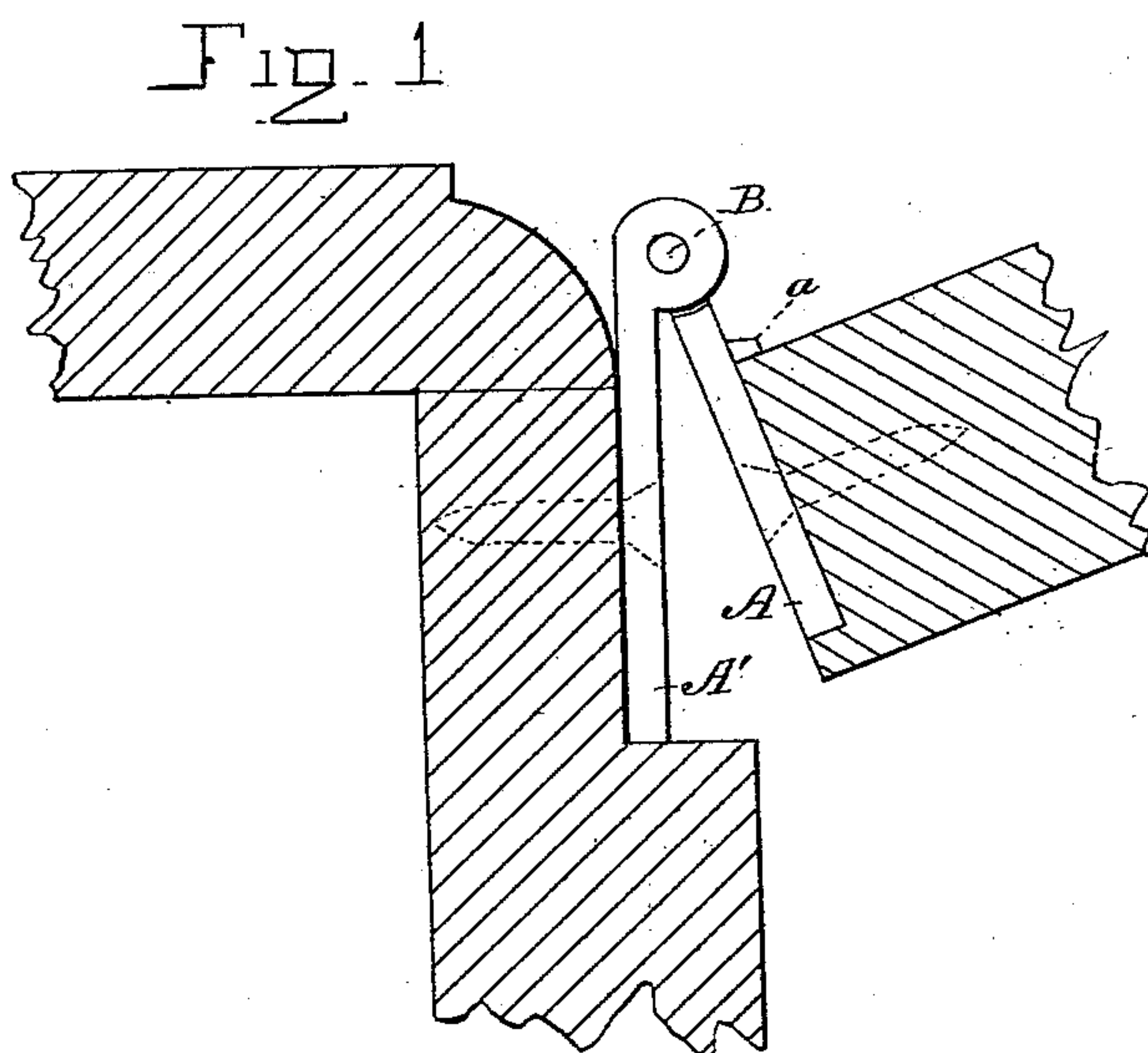


J. J. GORDON.  
Hinge.

No. 226,306.

Patented April 6, 1880.



WITNESSES:

*John H. Kemon*  
*Edw. W. Byers*

INVENTOR:

*J. J. Gordon*  
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ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JOHN J. GORDON, OF FLINT, MICHIGAN.

## HINGE.

SPECIFICATION forming part of Letters Patent No. 226,306, dated April 6, 1880.

Application filed February 2, 1880.

*To all whom it may concern:*

Be it known that I, JOHN J. GORDON, of Flint, in the county of Genesee and State of Michigan, have invented a new and Improved Butt-Hinge; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a horizontal section through the door-jamb, showing the hinge applied. Fig. 2 is a side view of the hinge with the two leaves folded together. Figs. 3 and 4 are views showing how the hinge is used as a gage and square in cutting the recess or mortise.

My invention relates to an improvement in butt-hinges, designed to facilitate the fitting of the hinge in place; and it consists in constructing the hinge with leaves of different widths and forming on the narrower leaf a flange, by which construction the shape and depth of the mortise into which the hinge is fitted may be laid off and the use of the square dispensed with, as hereinafter fully described.

In the drawings, A A' represent the two leaves of a butt-hinge, which are jointed, as usual, upon a pintle-rod, B. Of these two leaves A is made narrower than A', and has upon its face next to the door a flange or rib, a, running parallel with its edge.

By making the hinge with a wide and a narrow leaf it will be seen that when the two leaves are shut a rabbet or recess is formed

at b, which is in depth exactly equal to the depth of the recess to be cut in the door or jamb in fitting the section flush therein. This recess b, then, is designed to be employed as a gage for laying off with the pencil the depth of the recess, as in Fig. 3. The flange or rib a also forms a gage to determine the distance the leaf is to extend across the edge of the door, and has the function also of a square in holding the butt-section to its proper position while the outline for the recess is being traced around the same with a pencil, as in Fig. 4.

By my improvement, as thus described, the use of an independent square and gage is entirely dispensed with, as each hinge is its own gage and square, and any workman, with the use simply of a screw-driver, hammer, and chisel, is enabled to rapidly adjust the hinges, saving much extra time and labor.

These hinges may be made reversible, and of any material and any suitable pattern or finish, and at the same cost as the old form.

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

A butt-hinge having leaves of different width and parallel edges, and flange or rib a on its narrower leaf, as and for the purpose described.

JOHN JACKSON GORDON.

Witnesses:

E. H. THOMSON,  
J. W. STOCKWELL.