

(Model.)

T. FOWLER.
Hinge.

No. 234,018.

Patented Nov. 2, 1880.

Fig. 1.

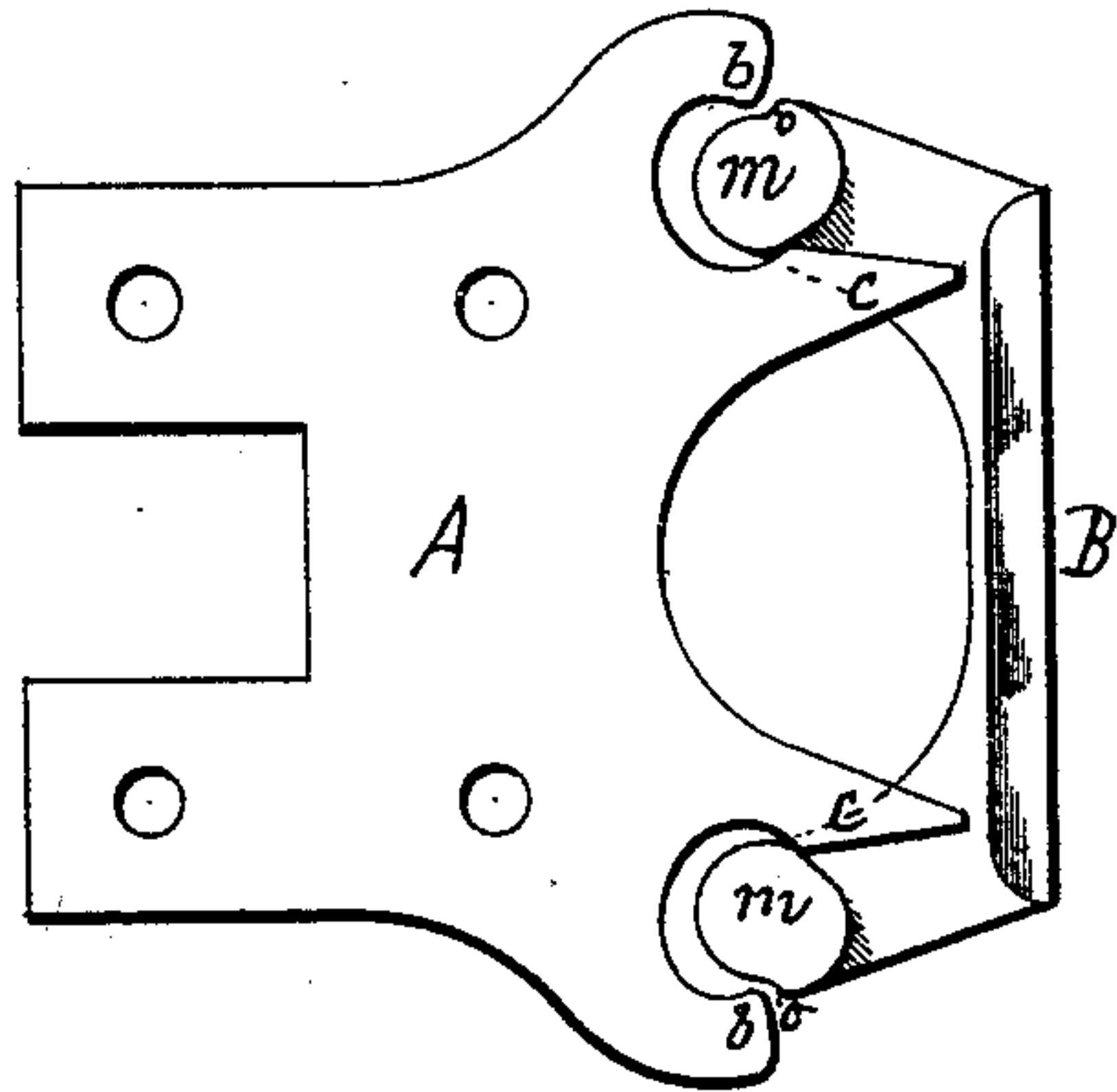


Fig. 2.

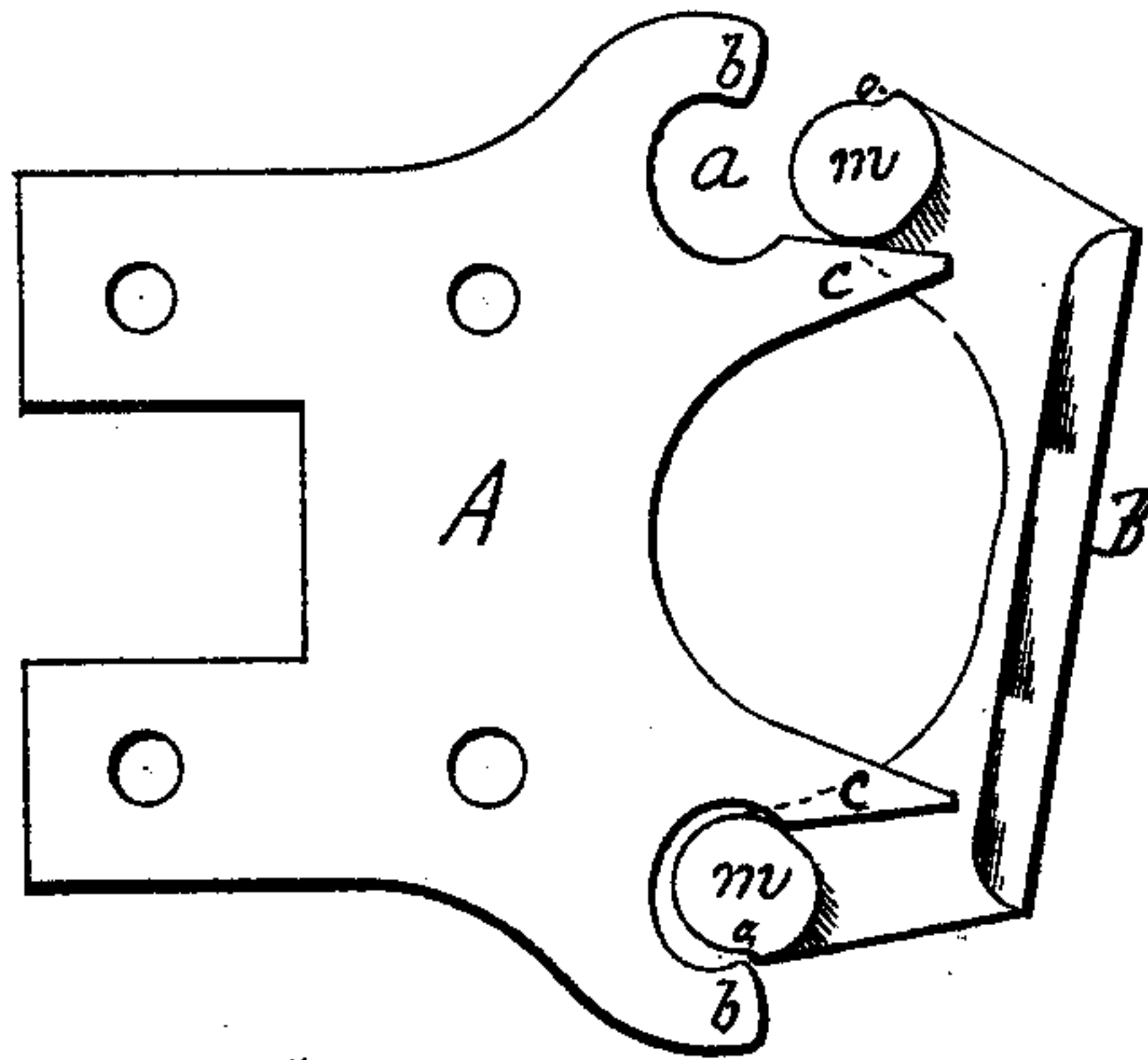


Fig. 3.

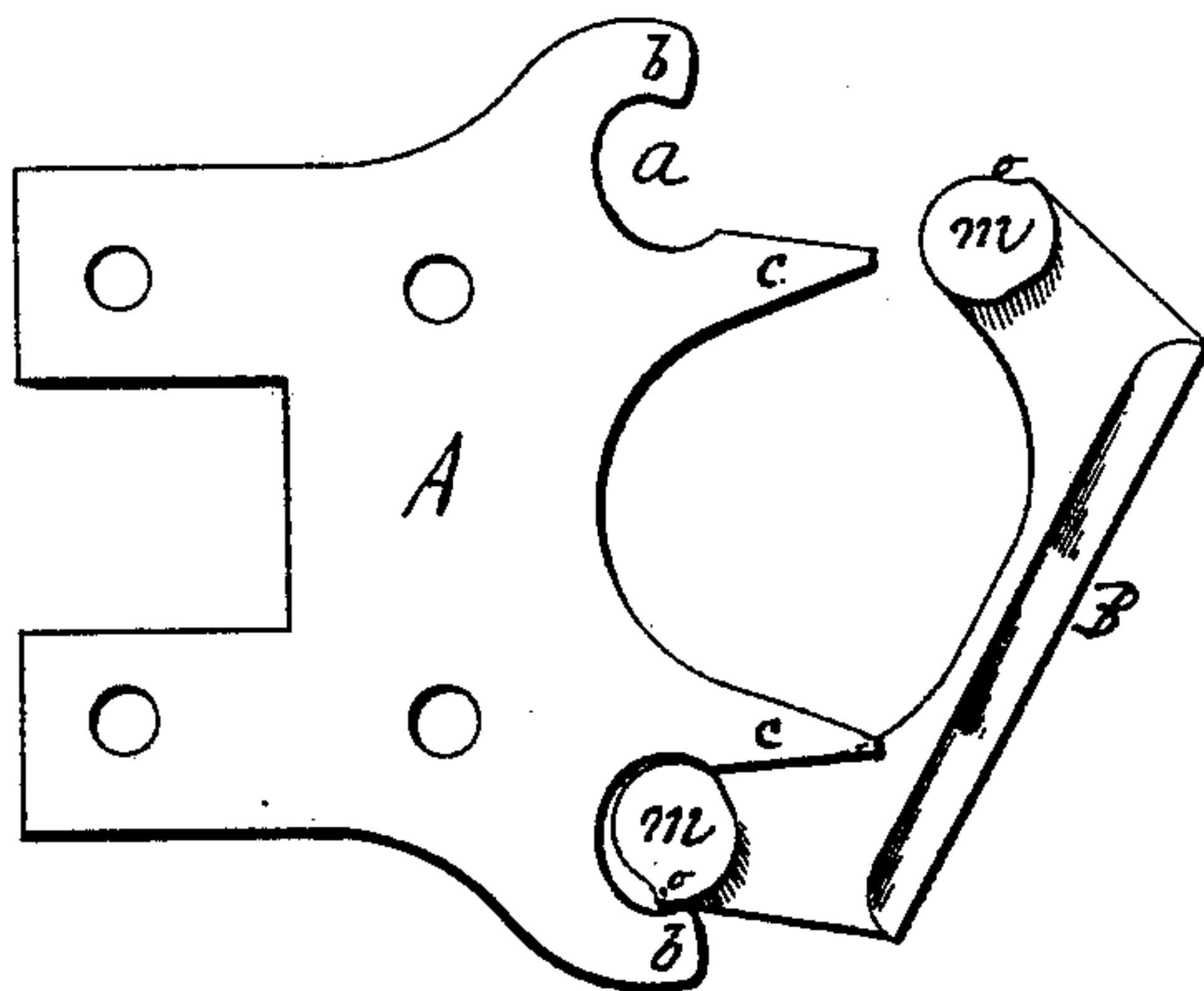


Fig. 4.

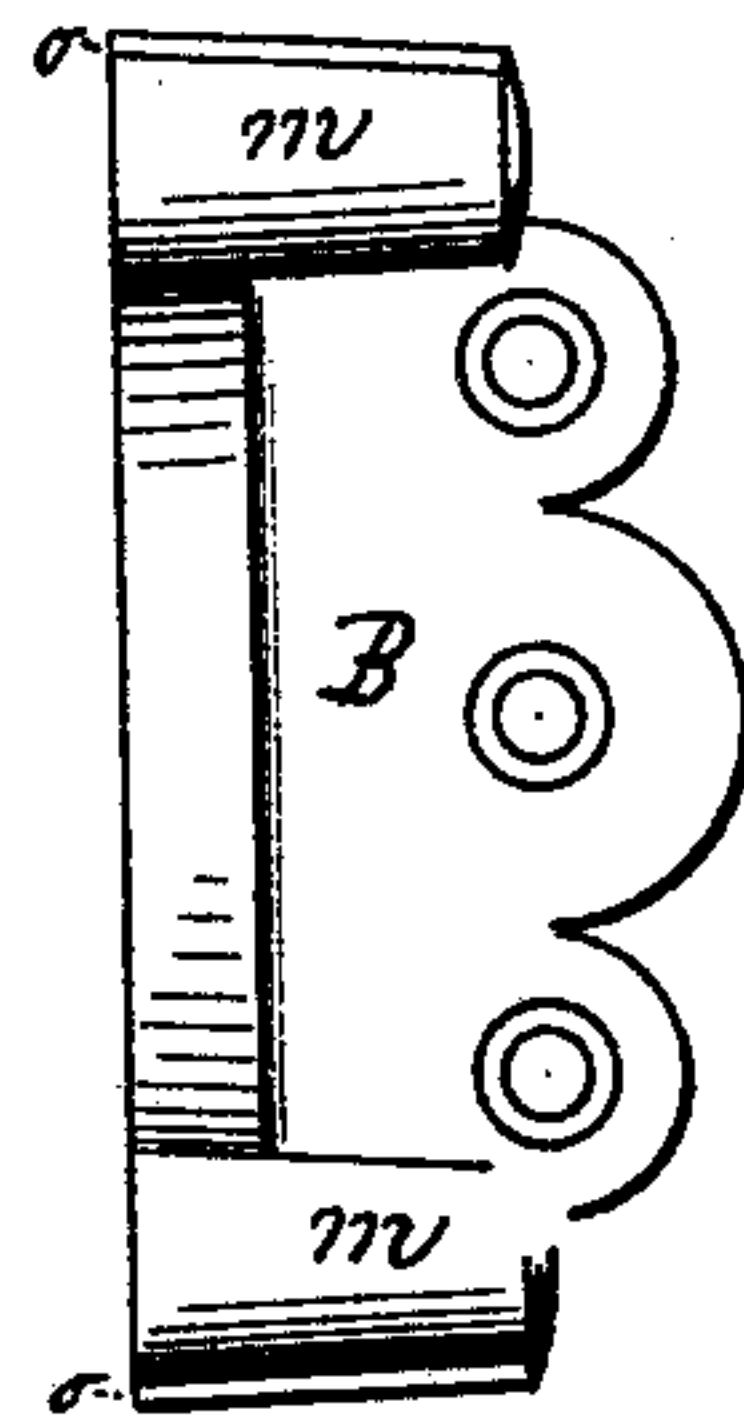
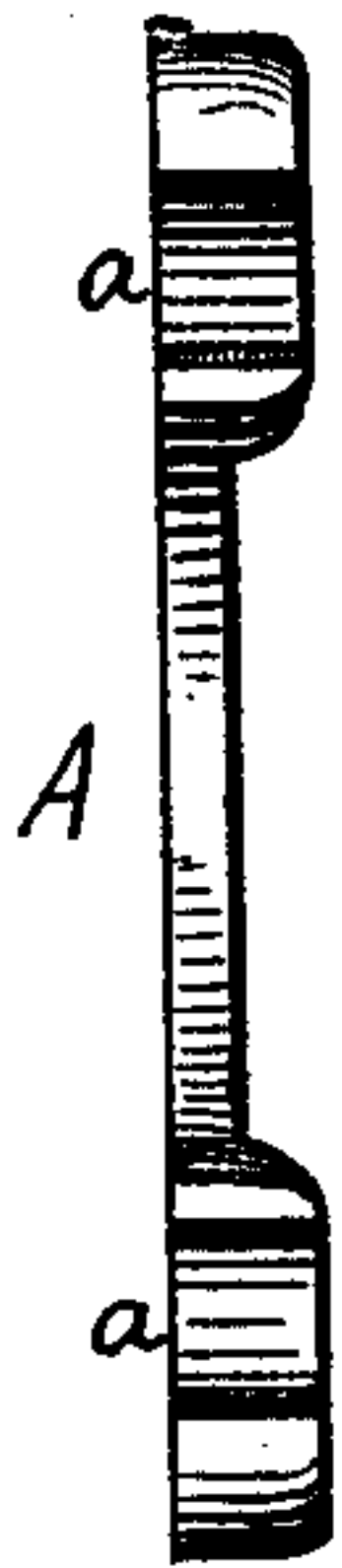


Fig. 5.



Witnesses
George P. Salisbury
John P. Perkins

Inventor.
Thaddeus Fowler
by Geo. Perry
Att'y

UNITED STATES PATENT OFFICE.

THADDEUS FOWLER, OF SEYMOUR, CONNECTICUT.

HINGE.

SPECIFICATION forming part of Letters Patent No. 234,018, dated November 2, 1880.

Application filed July 27, 1880. (Model.)

To all whom it may concern:

Be it known that I, THADDEUS FOWLER, of Seymour, in the county of New Haven and State of Connecticut, have invented a new and
5 Improved Gate-Hinge, of which the following is a specification.

My invention belongs to that class of hinges which allow the gates to swing in either direction and make the gates self-closing, its
10 object being to hold together the parts of the hinge in their different relative positions.

The invention consists in novel means for holding together the two parts of which the hinge is composed.

15 Figures 1, 2, and 3 are plan views of the hinge. Fig. 4 is a view of the end of the part having the pintles; and Fig. 5 is a view of the end of the part having the curved recesses.

To enable others to make my improved hinge
20 so that it will operate in the manner contemplated, I will describe it in detail.

The part A, Figs. 1, 2, 3, and 5, is made to be fastened to the stringer of the fence and in the form shown.

25 The curved recesses *a* are greater than a semicircle or semi-ellipse and approximate in form a semi-ellipse, their outer ends, *b*, having a sharper curve than their other parts, as shown.

30 From the inner ends of the recesses the pieces *c* extend in the form shown, having the parts connecting with the recesses straight or slightly curved, the curvature not being greater than the curvature of a circle whose radius
35 is the distance between the centers of the pintles of the hinge.

The part B, Figs. 1, 2, 3, and 4, is made to be fastened to the frame of the gate, and has the pintles *m*. The pintles are made with the
40 shoulders *o* and in the form of a cam, as shown.

Constructed as above described and as shown, the two parts of the hinge cannot be separated without lifting off the part A from the pintles on the part B. The hinge being
45 attached to the fence and gate, and the gate being closed, if the end of the gate remote from the hinge be raised up, the pintles will be held in the part A, as shown in Fig. 1. If the gate is opened a little way and its end is
50 raised up as before, a piece, *c*, and a recess keep the parts together, as shown in Fig. 2. If the gate is opened wider a shoulder, *o*, enters a recess before a pintle leaves a piece, *c*,
55 and if the gate be raised up as before the two parts of the hinge will be held together, as shown in Fig. 3.

My improved hinge is intended to be used as a bottom hinge in connection with a suitable top hinge. 60

I am well aware that "crotch-hinges," as hinges of this kind are sometimes called, have been made with means for holding the parts together. I do not, therefore, broadly claim a hinge with devices for that purpose; but 65

What I claim as my invention, and desire to secure by Letters Patent, is—

The improved hinge herein described, consisting of the part A, having the curved oblong recesses *a*, approximating to an ellipse and
70 greater than a semi-ellipse, and the pieces *c*, and of the part B, provided with the pintles *m*, each of the same having a shoulder, *o*, and the curved form described, substantially as shown and set forth.

THADDEUS FOWLER.

Witnesses:

GEORGE TERRY,

GEORGE P. SALISBURY.