

(No Model.)

W. GATES.  
Carriage Top Lock.

No. 237,177.

Patented Feb. 1, 1881.

Fig. 1.

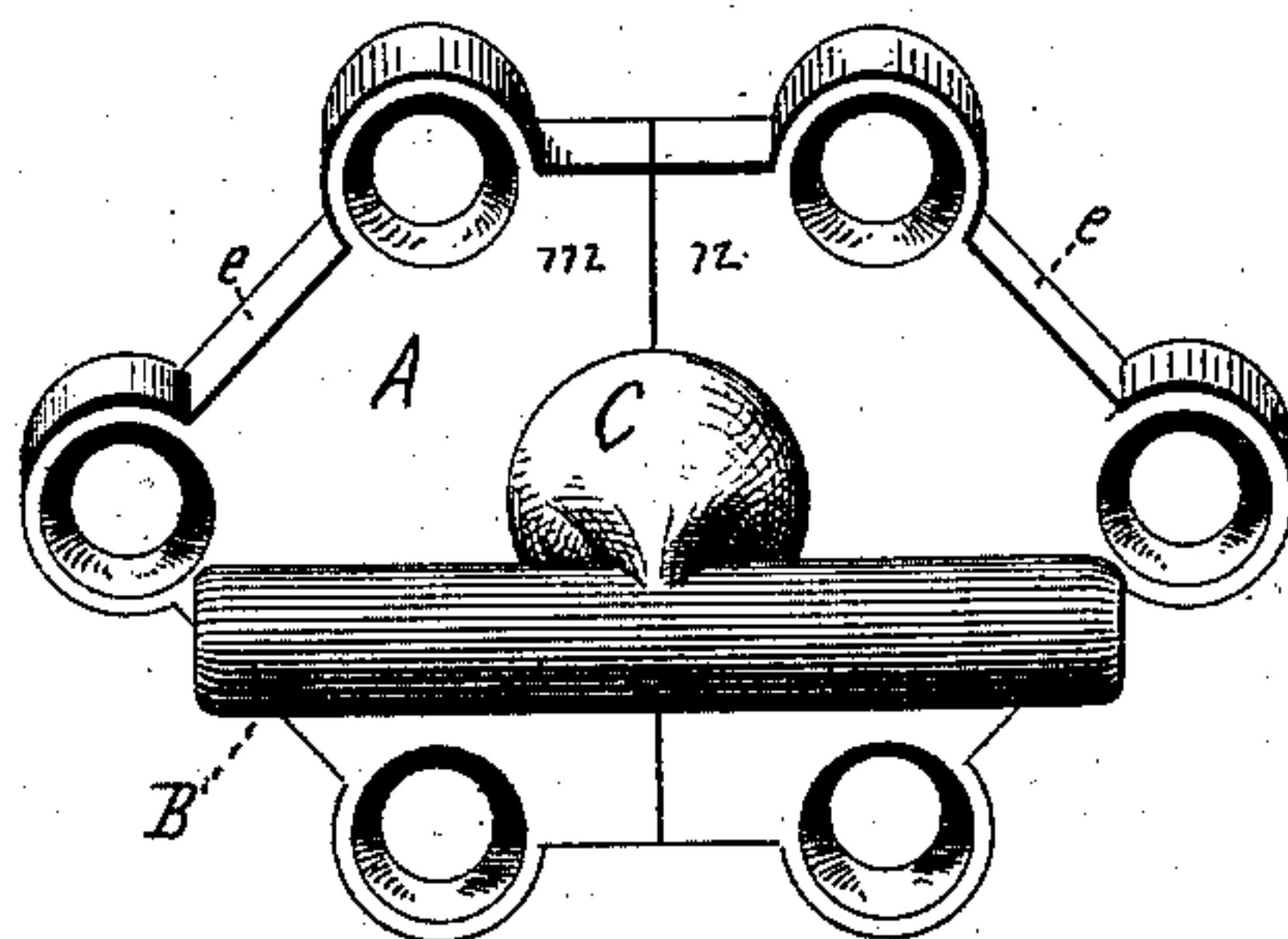


Fig. 2.

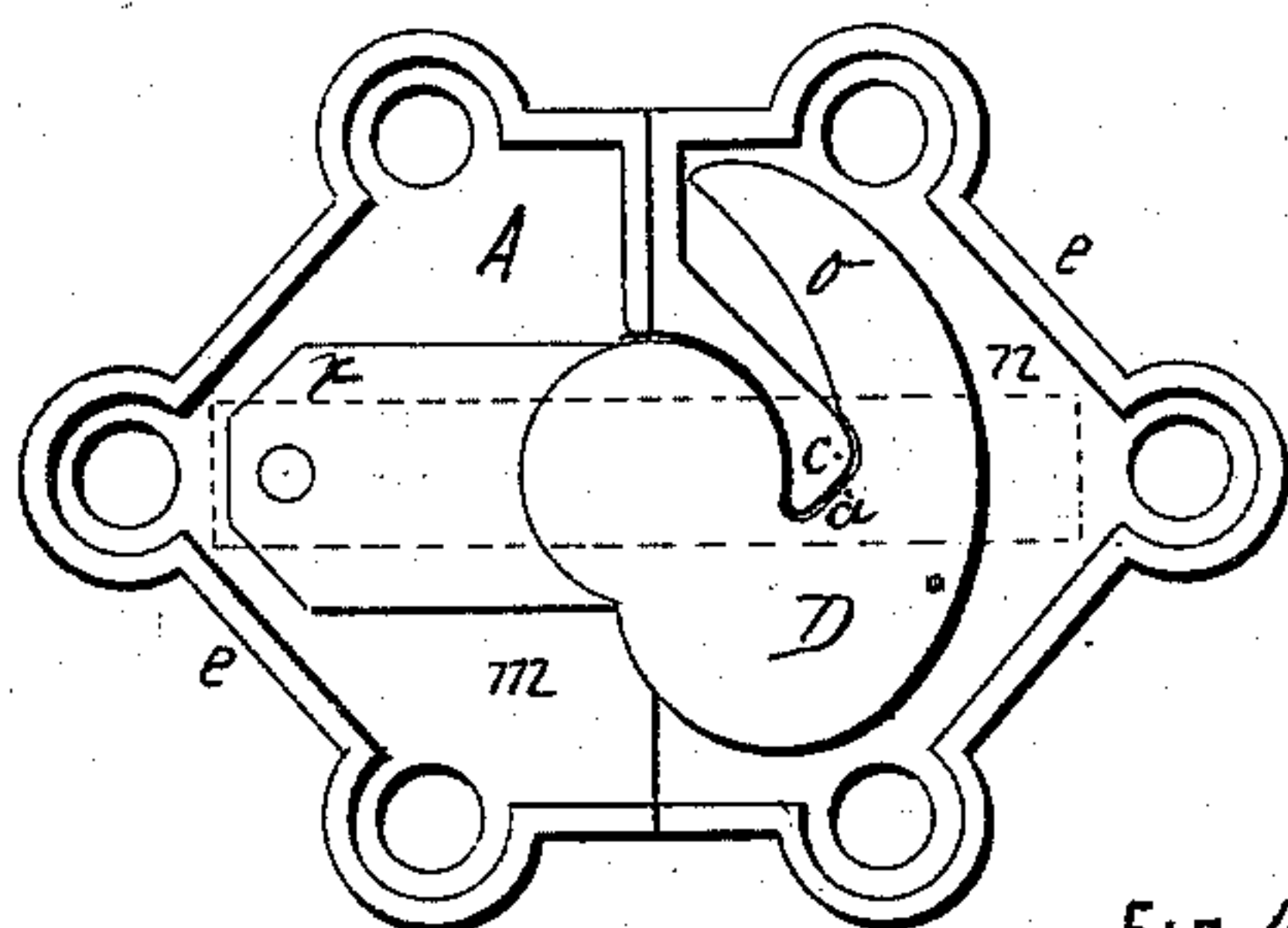


Fig. 3.

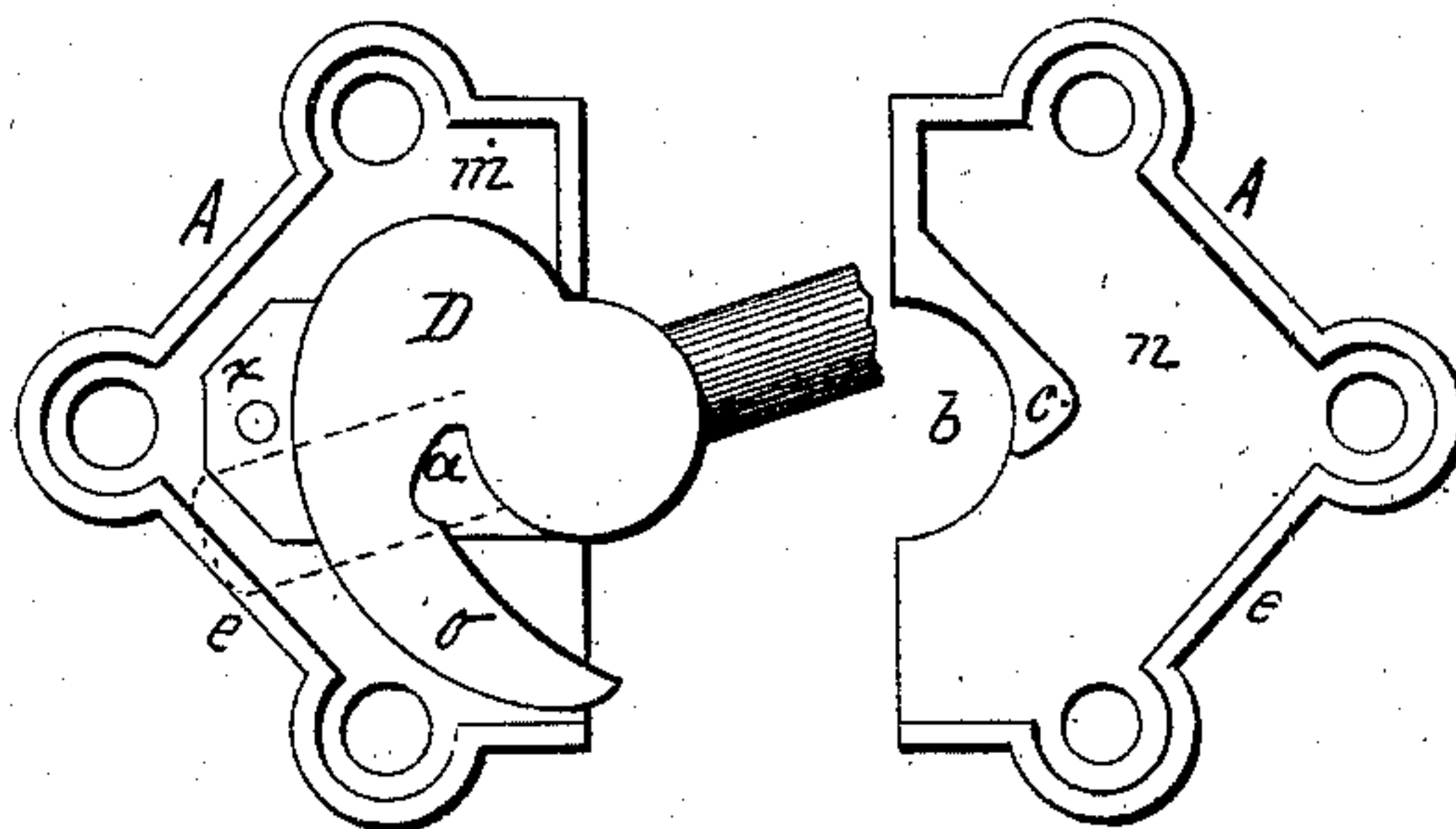


Fig. 4.

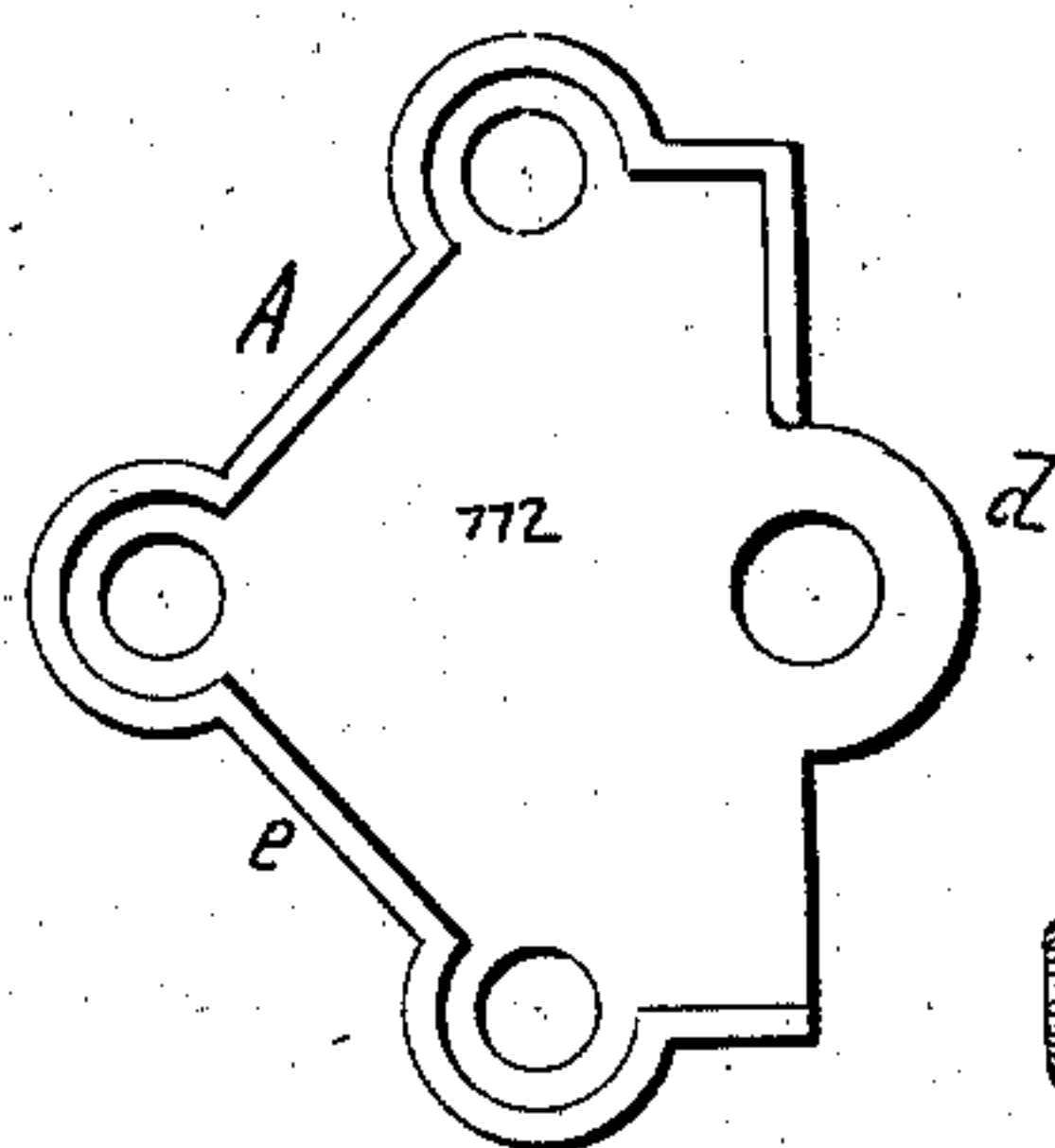
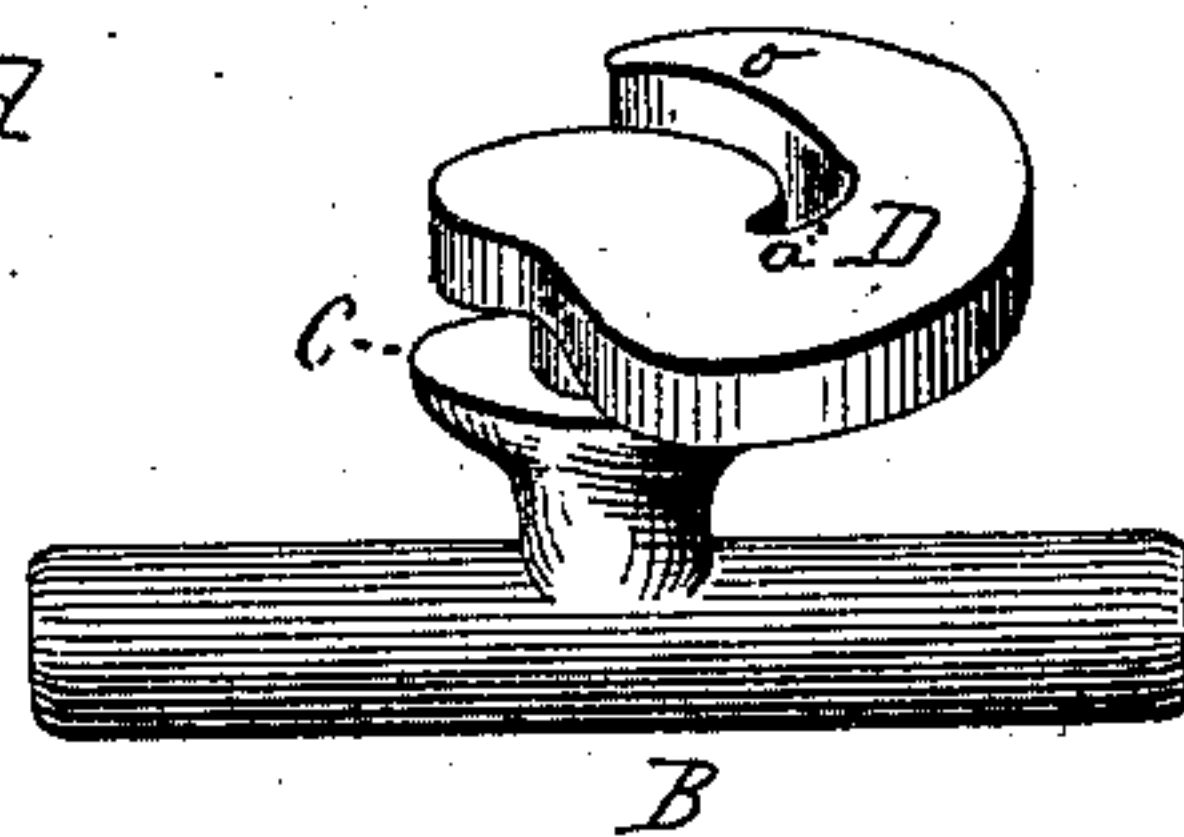


Fig. 5.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

WILLIAM GATES, OF NEW HAVEN, CONNECTICUT, ASSIGNOR OF ONE-HALF  
TO ALBERT L. BABCOCK, OF SAME PLACE.

## CARRIAGE-TOP LOCK.

SPECIFICATION forming part of Letters Patent No. 237,177, dated February 1, 1881.

Application filed October 6, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM GATES, of New Haven, in the county of New Haven and State of Connecticut, have invented a new, 5 useful, and Improved Carriage-Top Lock, of which the following is a description.

My invention relates to that class of locks which are used to hold together the parts of carriage-tops which are made to part in the 10 middle and are let down in opposite directions, commonly called "landau" tops.

The invention consists in the novel construction and combination of the parts of the lock as they are hereinafter more fully set forth 15 and claimed.

In the accompanying drawings, Figure 1 is a view of the under side of the lock when in position on the inside and upper part of a carriage-top. Fig. 2 is a view of the case and of 20 the parts within it, the two parts of which the case is composed being locked together. Fig. 3 is a view of the case and the parts within it, the parts of the case being unlocked and separated. Fig. 4 is a view of one part of the 25 case, and Fig. 5 is a view of the curved bolt, hub, and lever.

To enable others to make and use my improved lock I will describe it in detail and the way in which it is used.

30 The case A is made in two similar parts, *m* and *n*, with the rim *e* of sufficient height to make room for the bolt D, as shown. The part *m* has the semicircular projection *d*, in which a perforation is made, in which the hub 35 C turns, and the part *n* has the semicircular recess *b* to receive the projection *d* on the part *m*. The projection and recess serve to bring the parts of the case evenly together. The hasp *c*, Figs. 2 and 3, is a part of the rim, and 40 is made in the form shown. The thin sheet-metal spring *x*, Figs. 2 and 3, is fastened to the

case, extends under the bolt D, and prevents its rattling, but is not essential to the lock. The lever B, Figs. 1 and 5, is a straight round lever made in one piece with the hub C. The 45 hub C has a shoulder, as shown in Figs. 1 and 5, and a round straight part, as shown in Fig. 3, which fits and turns in the perforation in the projection *d*. The bolt D is made with the curved hook *o*, as shown. The acting side 50 of the hook from its end is made to diminish in distance from the center of motion of the bolt to draw the parts of the case together as the bolt turns. At the junction of the hook with the bolt the notch *a* is made to hold the 55 bolt on the hasp. The bolt is fastened to the hub C.

The lock being constructed as above described and as shown, and the parts of the case being screwed to the parts of a carriage- 60 top of the kind contemplated, the projection and recess bring the parts of the case and top evenly together, and a quarter-turn of the lever locks the two parts of the case together.

Having described and shown my improved 65 lock, what I claim as new, and desire to secure by Letters Patent, is—

The carriage-top lock herein described, consisting of the case A, made in two similar parts, 70 *m* and *n*, the part *m* having the semicircular projection *d*, the part *n* having the hasp *c*, forming a part of the rim, also having the semicircular recess *b*, formed to receive the projection *d* on the part *m* of the lever B, and hub C made in one piece, and of the bolt D, having 75 the curved hook *o*, and notch *a*, all the said parts constructed and combined as shown and set forth.

WILLIAM GATES.

Witnesses:

GEORGE TERRY,

DANIEL S. GLENNEY, Jr.