

N. SEHNER.
HINGE.

No. 48,630.

Patented July 4, 1865.

Fig. 1.

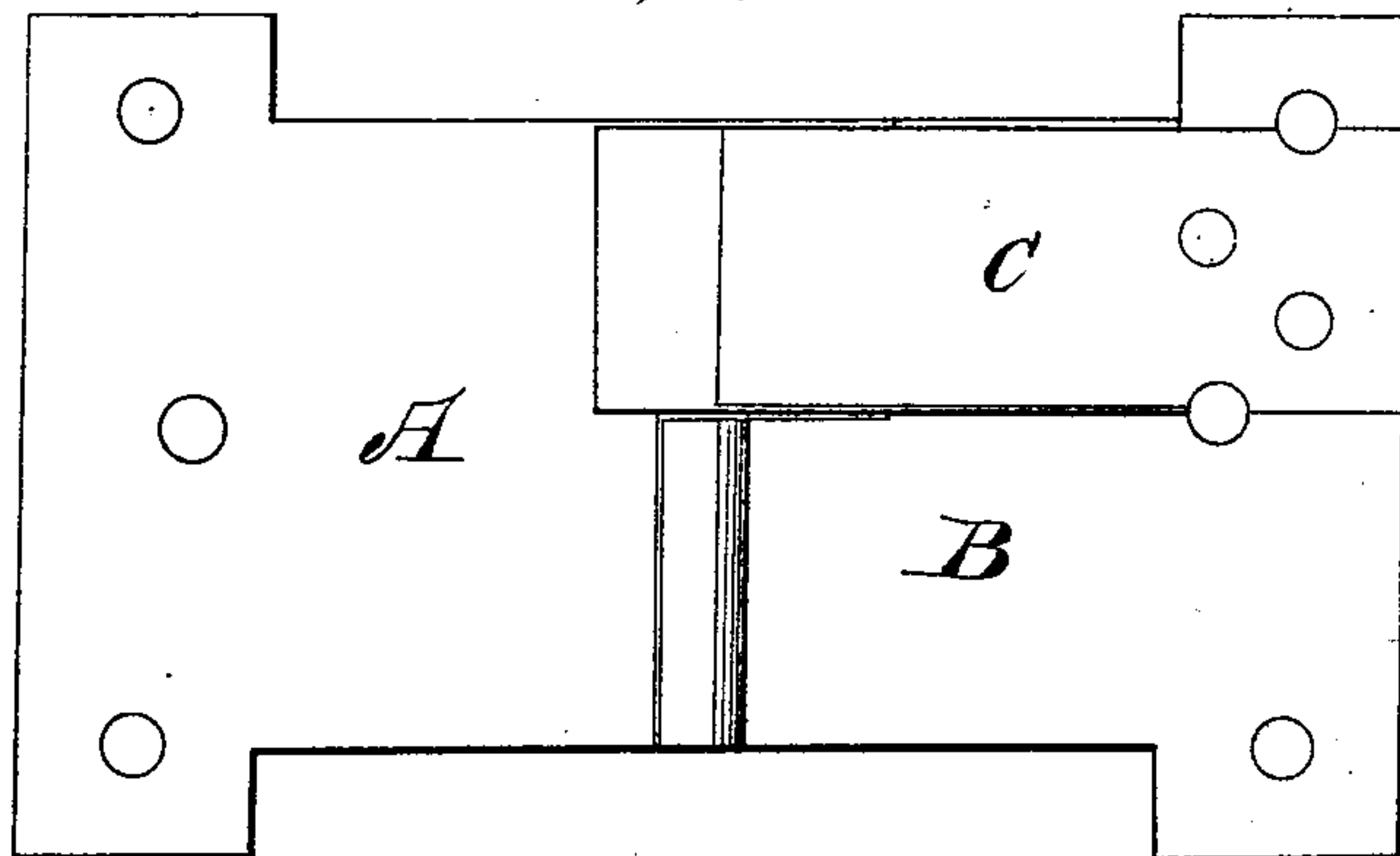
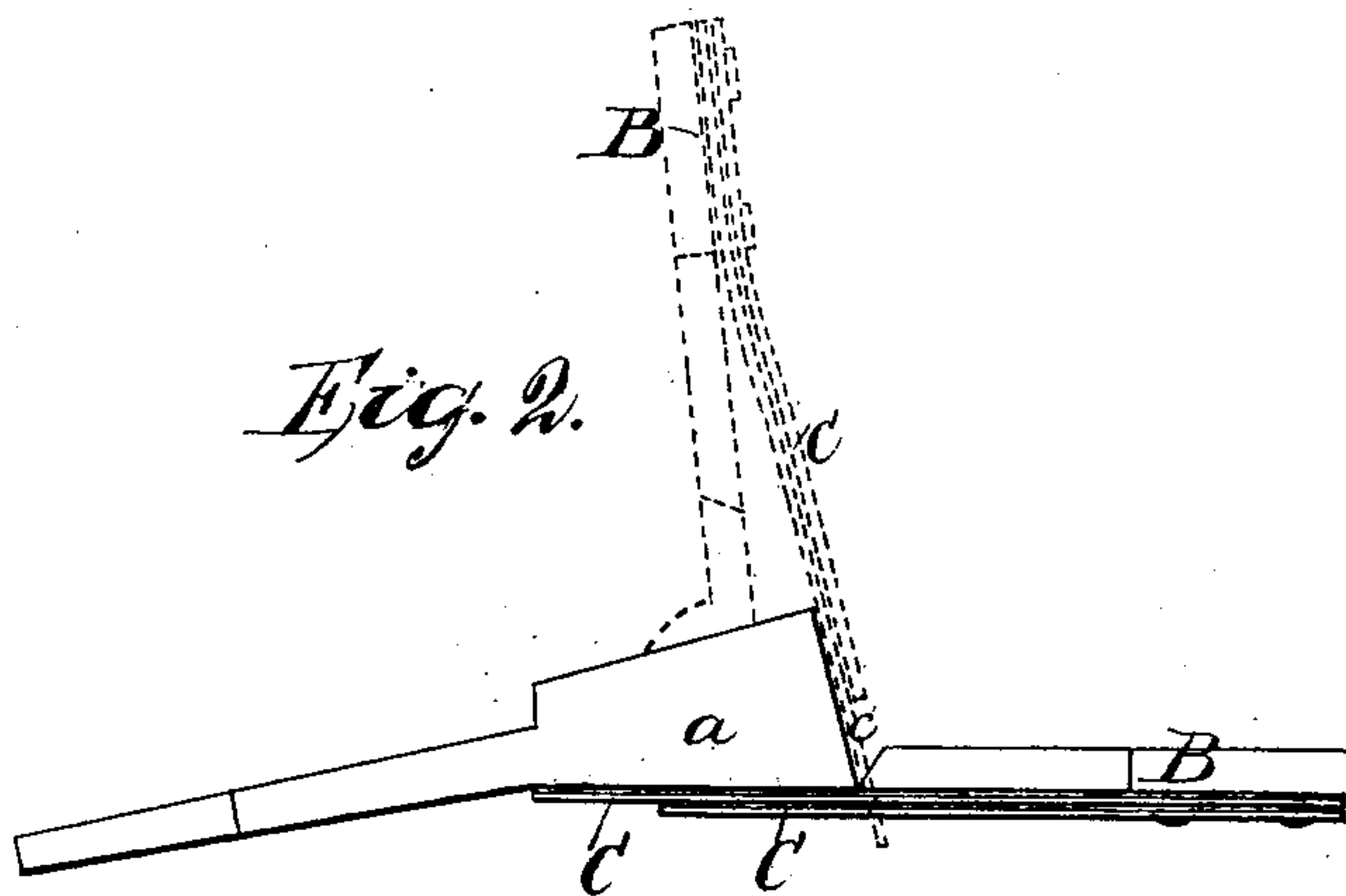


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

NATHANIEL SEHNER, OF HAGERSTOWN, MARYLAND, ASSIGNOR TO HIMSELF AND
ABRAHAM HUFFER, OF SAME PLACE.

HINGE.

Specification of Letters Patent No. 48,630, dated July 4, 1865.

To all whom it may concern:

Be it known that I, NATHANIEL SEHNER, of Hagerstown, in the county of Washington and State of Maryland, have invented
5 a new and useful Improvement in Hinges; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked
10 thereon.

My invention consists in providing a hinge with a spring or springs and an eccentric bearing for such spring in order to fasten a window shutter (or other object)
15 open or part way open or shut at pleasure.

In the accompanying drawings Figure 1, is a front view of the hinge when open. Fig. 2, is a top view of the same one portion of the hinge being shown half open in red
20 lines.

The two parts of my hinge may be cast in the usual manner as shown at (A,) and (B.) On one of these pieces or plates B, is fastened a spring (C,) by means of rivets
25 (c). This spring may be made of two plates as seen in Fig. 2. at (C' C') or of a single plate if desired. Upon one of the pieces (A,) is cast an angular or eccentric bearing (a) for the spring (C,) as seen in Fig. 2. This bearing is of such
30 shape that the spring (C,) holds the hinge or butt open, half way open or shut, the shutter being automatically fastened by the action of the spring upon the hinge, as the
35 shutter is brought into either of said positions. In some cases (as for large shutters

or doors) there may be an eccentric on each piece (A, B) and also a spring upon each half of the hinge, thus giving double
40 strength.

In the use of my improved butts or hinges there is no danger of breaking them and the spring is not kept under strong tension so as to lose its power. Therefore my hinges
45 are very durable.

My improved butts or hinges are intended especially for window shutters but they may be employed for any situation where they are serviceable.

I do not confine myself to the precise form
50 of the eccentric or to any particular class of hinges, but I wish broadly to cover the use of a spring or springs for locking or fastening a hinge or butt, having an eccentric or
55 angular bearing.

With my hinges the window blinds may be bowed or set slightly with the edges of the two blinds resting together—when the spring will keep the blinds in such position. This is a peculiar advantage.
60

Having thus fully described my invention what I claim and desire to secure by Letters Patent of the United States is:

Fastening or locking a hinge or butt by means of a spring or springs and an eccentric constructed and operated substantially in the manner and for the purposes
65 set forth.

NATHANIEL SEHNER

Witnesses:

JNO. COOK,
DAVID N. SMITH.