

C. B. Clark,

Lock Hinge.

No. 99844.

Patented Feb. 15. 1870.

Fig. I.

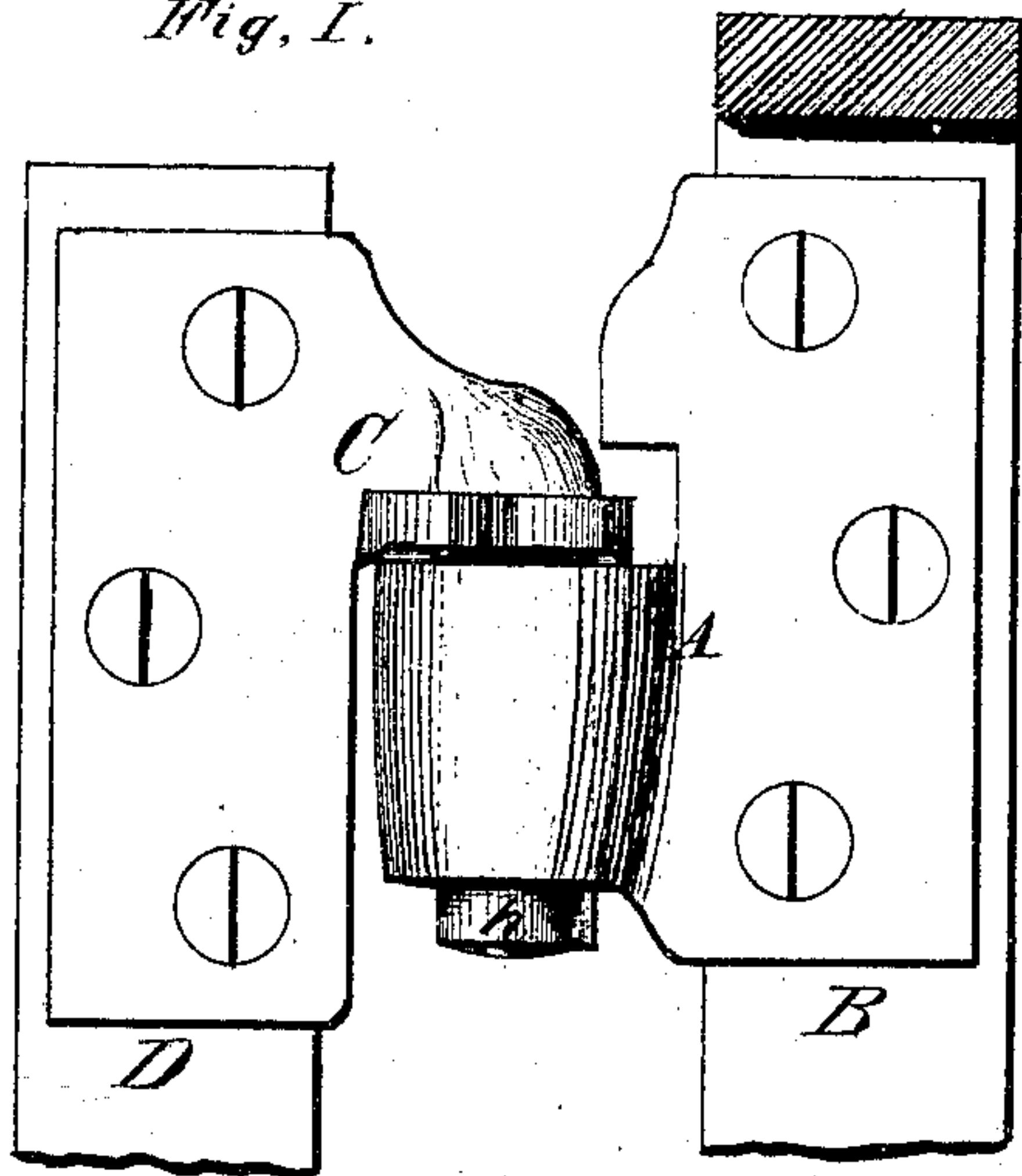


Fig. III.

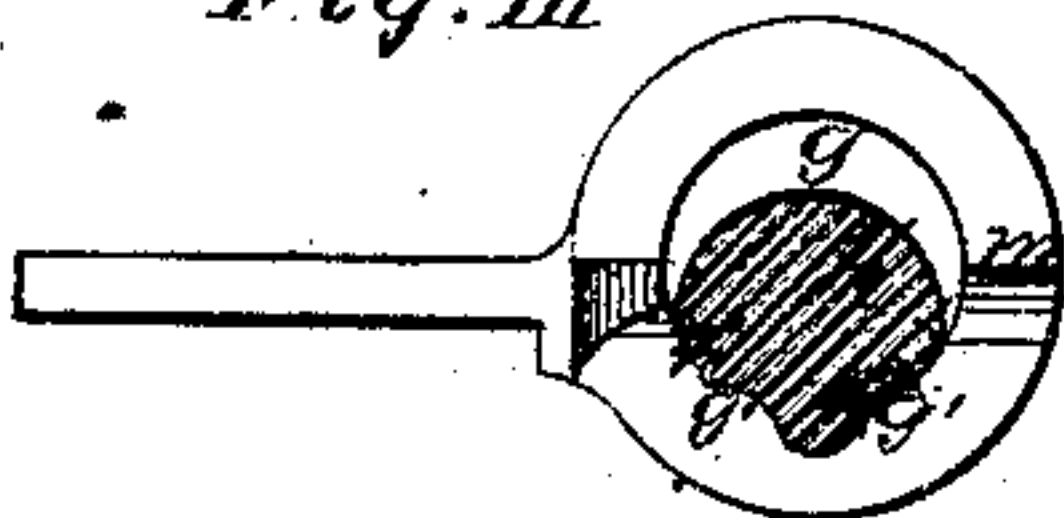


Fig. II.

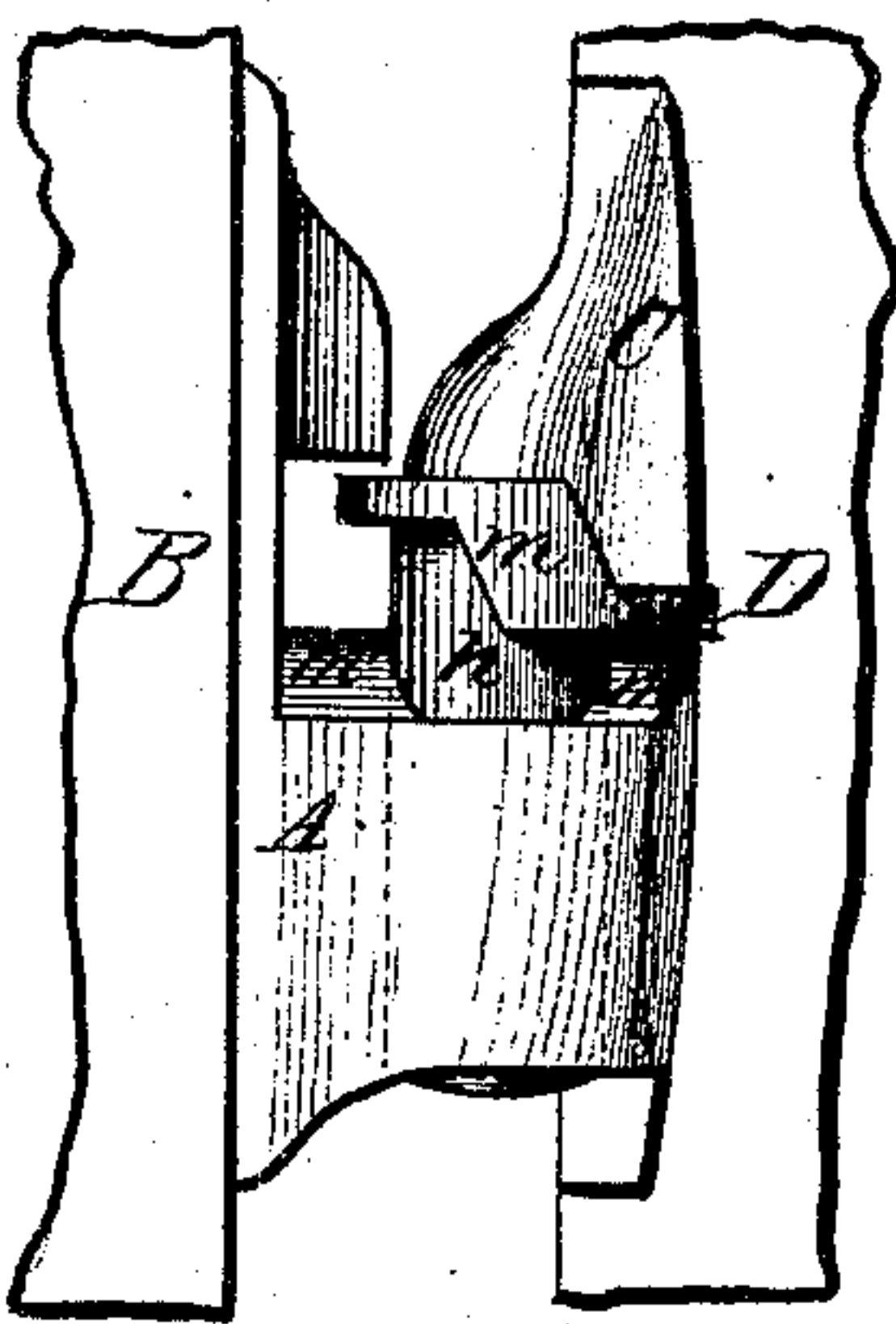
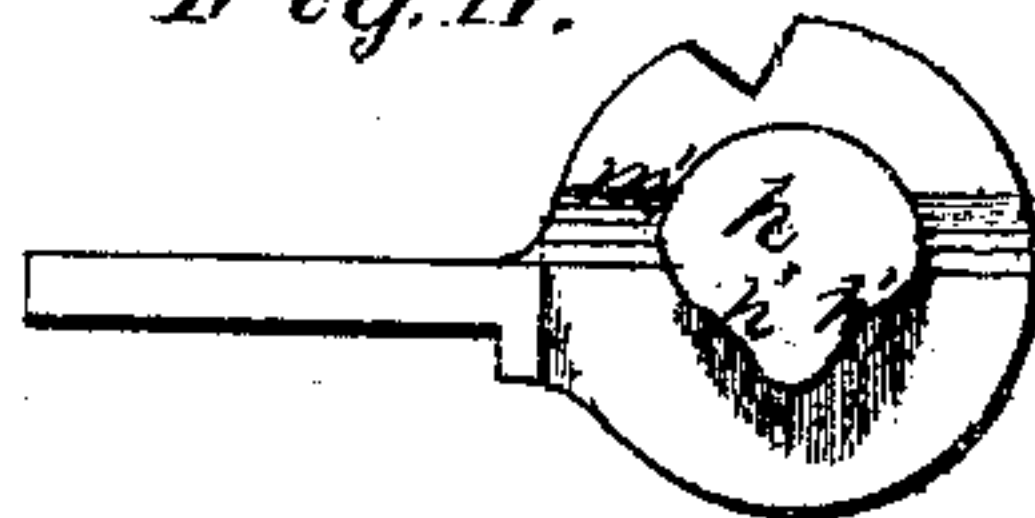


Fig. IV.



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Witnesses.

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CHARLES B. CLARK, OF BUFFALO, NEW YORK.

*Letters Patent No. 99,844, dated February 15, 1870; antedated January 5, 1870.*

## IMPROVED BLIND-HINGE.

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

I, CHARLES B. CLARK, of the city of Buffalo, in the county of Erie, and State of New York, have invented a certain new and useful Improvement in Blind-Hinges, of which the following is a specification.

The present invention is an improvement on that for which Letters Patent of the United States were granted to me November 3, 1868, to which Letters Patent reference is here made for a general description of the original device and its mode of operation.

The original invention consisted in the combination of inclined shoulders or partial stops with the pintle and socket, the latter formed with an angular recess in one side, and the former with an angular side to fit therein when the blind was thrown open, whereby the frictional resistance opposed by the hinge was increased. The blind was retained in an open position by the resistance of the hinge, which formed a partial and not a rigid block.

While this hinge has proved a success, I have found, from experiment, that by making the recess in the socket and the corresponding side of the pintle of a peculiar form, the friction of the hinge was materially increased, which form also enabled me to dispense with the sharp angle that is liable to wear off, and thus impair the efficiency of the fastening.

My invention consists in making the sides of the recess in the socket and the sides of the angular portion of the pintle of an ogee form, or of nearly that form, as hereinafter shown and described.

In the accompanying drawings—

Figure I is a view in elevation of my improved hinge applied to a blind shown in a locked open position.

Figure II is a view of the hinge in an unlocked position.

Figure III is a plan of the female portion of the hinge, with the pintle in cross-section, and represented in a locking position.

Figure IV is a bottom plan of the male portion.

Like letters of reference designate like parts in each of the figures.

A is the female portion of the hinge, attached to the wall or casing B; and

C, the male portion, attached to the shutter D.

*h* is the pintle; and

*g*, its socket.

*h' h'*, the ogee sides of the angular portion of the pintle; and

*g' g'*, the corresponding sides of the recess in the socket.

*m m'*, the inclined shoulders or stops formed in the contiguous surfaces of the knuckles of the hinge, which stop against each other in holding the shutter open.

It is evident that when the pintle, thus constructed, is pressed in the recess in its socket, as represented in Fig. III, the hinge will oppose a much greater resistance to the turning of the shutter, owing to the partial locking of the pintle in the recess, than it would if the pintle and its socket were constructed as shown in the original patent, hereinbefore referred to.

What I claim as my invention is—

Constructing the pintle *h* and socket *g* with the ogee sides *h' h'* and *g' g'*, in the manner and for the purpose shown and described.

CHAS. B. CLARK.

Witnesses:

JAY HYATT,

JNO. J. BONNER.