R. PHIPPS.
Lock-Hinge.

No. 208,490. Patented Oct. 1, 1878.

Fig. 1.

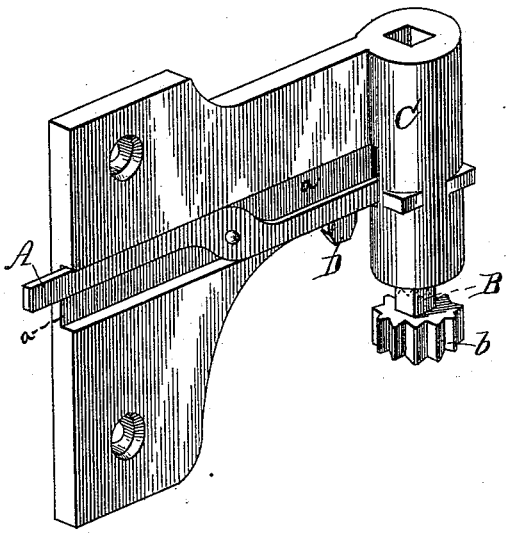
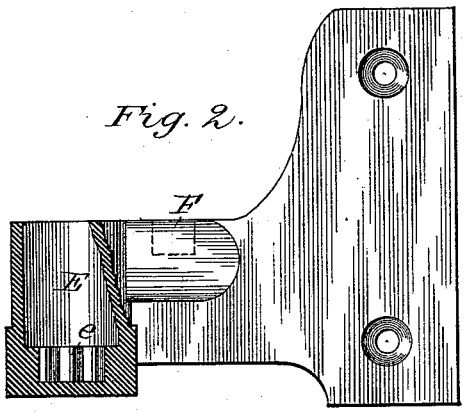


Fig. 2.



Attest.

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UNITED STATES PATENT OFFICE.

ROBERT PHIPPS, OF GEORGETOWN, DISTRICT OF COLUMBIA.

IMPROVEMENT IN LOCK-HINGES.

Specification forming part of Letters Patent No. **208,490**, dated October 1, 1878; application filed June 24, 1878.

To all whom it may concern:

Be it known that I, ROBERT PHIPPS, of Georgetown, in the District of Columbia, have invented a new and useful Shutter-Hinge, which is fully set forth in the following specification and accompanying drawing, in which—

Figure 1 is a view of that part of the hinge which is fastened to the shutter, exhibiting on its flange a lever, A, which passes through a slot in the long barrel C, and also into a notch in the square shaft B, that moves freely up and down in the barrel, carrying at its lower end a cog-wheel, *b*. From the under edge of the lever is a lug or projection, D.

Fig. 2 is a view of the lower part of the hinge, exhibiting sectionally the lower barrel, E, with teeth *e* at its lower extremity, adapted to mesh with the cog-wheel *b* at the end of the shaft B, and exhibiting, also, on the upper ridge of its flange, (widened for the purpose,) a lengthened notch, F, to receive the projection on the lever.

When the hinge is united the lower part of the upper barrel passes into the lower barrel, and revolves within it, resting upon a ridge.

The object of my invention is to furnish a device to keep a shutter wide open, or at any angle, or securely closed and fastened; and it consists in the peculiar combination of devices herein described, and specifically pointed out in the claims.

To allow the shutter to revolve on its hinge, the end of the lever A at the extremity of the flange *a* is depressed, raising the other end and lifting up the shaft B with its cog-wheel from the teeth in the lower barrel, E, and when the shutter is in the desired position the counter-movement is made, meshing the cog-wheel in the teeth, and also, when the shutter is closed, pressing the projection into the recess F.

I claim as my invention—

1. In a lock-hinge, the combination of barrel C and square shaft B, provided with cog-wheel *b*, and operated by lever A, with the barrel E, provided with teeth *e*, as and for the purpose set forth.

2. The combination of lever A, provided with lug D and operating-shaft B in the pintle portion, with recess F and teeth *e* in the eye portion, substantially as and for the purpose set forth.

ROBERT PHIPPS.

Witnesses:

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