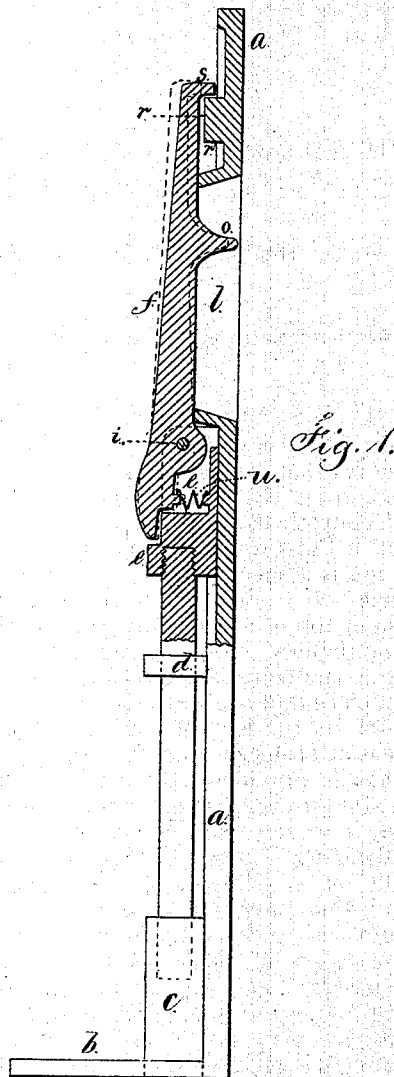
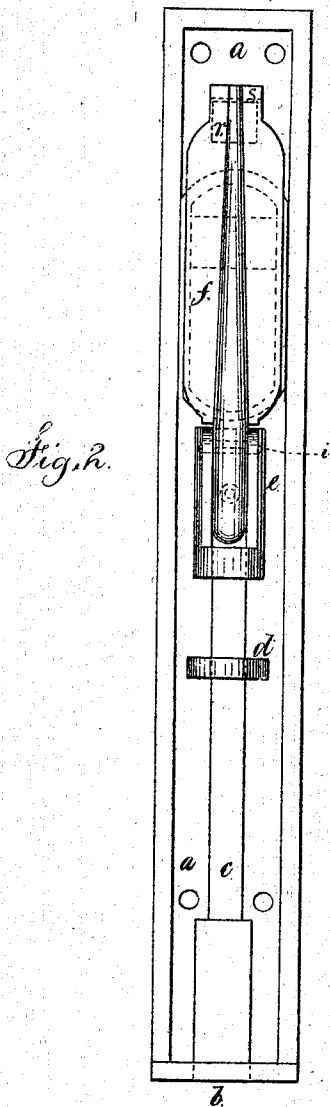


S. D. ARNOLD.
Flush-Bolts for Doors.

No. 139,647.

Patented June 10, 1873.



Witnesses.

Chas. W. Smith.
Geo. S. Walker.

Inventor.

Stephen D. Arnold.

per Lemuel W. Perrell.

Atty.

UNITED STATES PATENT OFFICE.

STEPHEN D. ARNOLD, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO
P. & F. CORBIN, OF SAME PLACE.

IMPROVEMENT IN FLUSH-BOLTS FOR DOORS.

Specification forming part of Letters Patent No. **139,647**, dated June 10, 1873; application filed
May 2, 1873.

To all whom it may concern :

Be it known that I, STEPHEN D. ARNOLD, of New Britain, in the county of Hartford and State of Connecticut, have invented an Improvement in Flush-Bolts for Doors, of which the following is a specification :

This flush-bolt is adapted to use at either the bottom or top of a door, and consists in a hinged thumb-piece with a spring applied in the shank of the bolt, near the joint between the thumb-piece and the bolt, in combination with a hook at the end of the thumb-piece that catches at either one side or the other of a block that is provided at the back of the bolt-plate; thereby the bolt is retained in either a projected or a retracted position.

In the drawing, Figure 1 is a vertical section of said bolt, and Fig. 2 is an elevation at the back or inner side of said bolt.

The plate *a* is made of any desired size or shape, with the usual flange *b*, through which the bolt *c* passes. This bolt is guided in the eye *d* and provided with a shank, *e*, to which the thumb piece or plate *f* is connected by a joint, *i*; and this plate closes the rear of the opening *l* through the plate *a*, and in that

opening *l* is the cross-rib *o* upon the plate *f* for the thumb to act against in moving the bolt up or down. This plate *f* has to be pressed back before it can be moved endwise, because the hook *s* at its end comes either one side or the other of the block *r* at the back of the plate *a*, which hook and block hold the bolt in whatever position it may be moved to, because the spring *u*, applied near the joint *i* within the shank *e*, presses the hook *s* toward the plate *a*, to cause the same to catch against the edges of the block *r* when the bolt reaches its extreme movement in either direction.

I claim as my invention—

The thumb-piece *f*, with the hook *s* at the end thereof, in combination with the spring *u* within the bolt-shank *e*, and the block *r* at the back of the plate *a*, in which plate *a* is an opening for the rib *o* of the thumb-piece *f*, as set forth.

Signed by me this 21st day of April, A. D. 1873.

S. D. ARNOLD.

Witnesses:

CHARLES PECK,
F. CORBIN.