No. 777,130. PATENTED DEC. 13, 1904.

C. O. NOACK.

ATTACHMENT FOR CYLINDER LOCKS.

APPLICATION FILED FEB. 16, 1904.

NO MODEL.

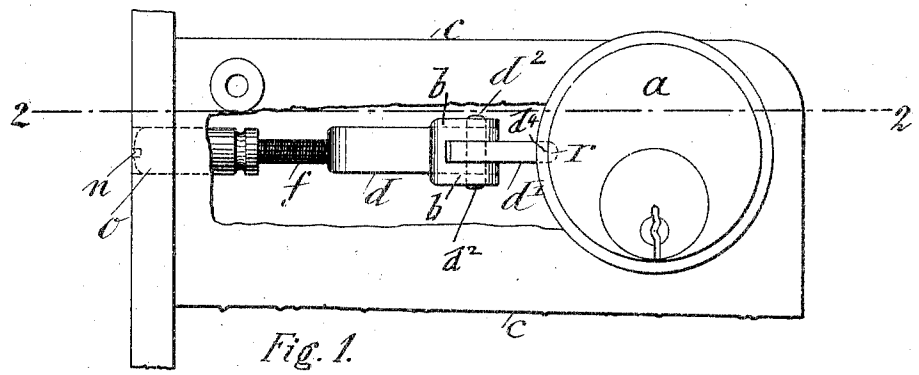


Fig. 1.

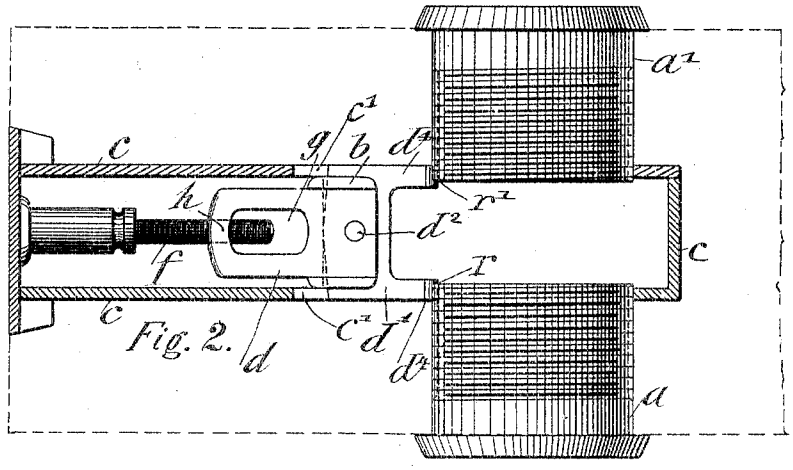


Fig. 2.

Fig. 3.

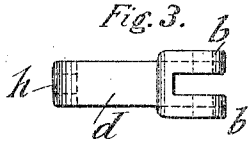


Fig. 5.

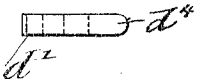


Fig. 4.

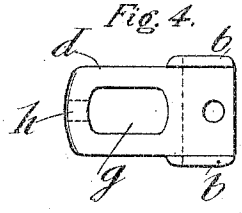
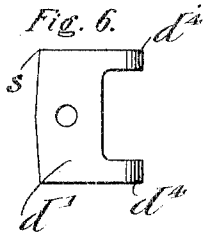


Fig. 6.



Witnesses
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No. 777,130. Patented December 13, 1904.

UNITED STATES PATENT OFFICE.

CARL O. NOACK, OF STAMFORD, CONNECTICUT, ASSIGNOR TO NEW YORK LOCK COMPANY, OF BRANFORD, CONNECTICUT, A CORPORATION OF NEW YORK.

ATTACHMENT FOR CYLINDER-LOCKS.

SPECIFICATION forming part of Letters Patent No. 777,130, dated December 13, 1904.

Application filed February 16, 1904. Serial No. 193,900. (No model.)

To all whom it may concern:

Be it known that I, CARL O. NOACK, a citizen of the United States, residing in Stamford, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Attachments for Cylinder-Locks, of which the following is a specification.

In attaching cylinder-locks to doors and in holding the locks rigidly in position in the same a mortise is transversely cut into the door for inserting a holder for the casing of the lock. The casing is provided with a lug for engaging and holding the cylinder of the lock in position after it is screwed into the lock to prevent the cylinder from becoming unscrewed. The holder is adjusted to the cylinder by means of a screw that enters the bail of the holder and by which rigid engagement of the holder with the cylinder of the lock is controlled from the end of the casing. In practical use it has been found that the holder does not always effect the proper engagement with the cylinder, and especially so when a two-cylinder lock is used, one being for the outside and the other for the inside of the door to permit the door to be locked from the outside as well as from the inside.

The object of my invention is to improve the holding attachment for cylinder-locks in such a manner that the same is adapted to engage with one or two cylinder locks, so as to hold the lock or locks in proper rigid position in the casing and prevent disengagement from the holder and the getting loose of the lock; and for this purpose the invention consists of an attachment for cylinder-locks comprising a casing and lock-cylinder having recesses at its inner ends, a holder consisting of an adjustable main piece guided in the casing, and a swivel-piece pivoted to the main piece and provided with lugs that are placed in engagement with a recess at the inner end of the cylinder of the lock, so as to engage and hold the same securely and positively in position in the casing.

In the accompanying drawings, Figure 1 represents a front elevation of my improved holding attachment for cylinder-locks, showing a portion of the casing broken out. Fig. 2 is a horizontal section on line 2 2, Fig. 1. Figs. 3 and 4 are respectively a detail side view and a plan view of the adjustable main piece of the holder, and Figs. 5 and 6 are respectively a side view and a plan view of the swivel-piece of the holder.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, a a' represent cylinder-locks, which are screwed in the usual manner in the mortise bored in the door and are supported in the casing c, which is set in the mortise, extending from the end of the door at right angles to the axis of the locks in the usual manner for holding the locks in proper position. In the casing c is arranged a holder, which consists of a main piece d and a swivel-piece d', said swivel-piece being connected, by a pivot-pin d^2, with the main piece d, as shown in Fig. 2. The main piece d is recessed at the end adjacent to the swivel-piece d', as shown in Figs. 1 and 3, its opposite end being provided with an opening g, so as to be in the nature of a bail, while its transverse portion has a tapped hole h at its center, which is engaged by an adjusting-screw f. The adjusting-screw f is adjusted by means of an opening in the end wall of the casing c by a screw-driver applied to a nick n in its head o, so as to set the main piece d, which is guided by side flanges b along the inside of the walls of the casing c in forward or backward direction, according as the end lugs d^4 of the swivel-piece d' are to engage or disengage the recesses r r' at the inner end circumferences of the lock-cylinders. The swivel-piece d' is guided in guide-slots c' in the side walls of the casing, so as to follow the motion of the main piece d when the same is adjusted either in backward or forward direction. The rear edge s of the swivel-piece d' is either rounded off or formed at an obtuse angle, so as to provide a slight lateral motion in the recessed or forked end of the main piece d, so as to produce the desired engagement of the lugs d^4 of the swivel-

piece with the recesses of the lock-cylinders, as shown in Fig. 2. The slight lateral motion which can be given to the swivel-piece by reason of its loose pivot connection with the main piece permits the adjustment of its lugs so as to produce the interlocking of the lugs d^4 with the recesses of the lock-cylinders in a more superior manner than is permitted in the rigid arrangement of lugs in the one-piece holders heretofore in use.

My improved holder is specially adapted to be applied whenever two cylinder-locks are used in a door, one lock for opening the door from the outside and the other for opening the door from the inside, but is equally adapted for single cylinder-locks when only one interlocking end lug is required for engagement with the lock-cylinder.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. An attachment for cylinder-locks, consisting of a casing, a cylinder-lock set in the casing and provided with a recess at one side of its inner end, a main piece having side guide-flanges for engaging the walls of the casing, means for adjusting the main piece in forward or backward direction, and a swivel-piece adapted to engage the recess on the inner end of one side of the lock-cylinder pivoted to one end of the main piece and being guided and adjusted thereby, substantially as set forth.

2. An attachment for cylinder-locks, consisting of a casing having guide-slots, a cylinder-lock supported in said casing and provided with a recess at its inner end, a main piece provided with a tapped opening at one end, a recess in the opposite end and side guide-flanges, a swivel-piece pivotally connected with the recessed end of the main piece and provided with lugs extending into the guide-slots of the casing and engaging the recess of the lock-cylinder, and means engaging the tapped opening of the main piece for adjusting the main piece in forward or backward direction, substantially as set forth.

3. An attachment for cylinder-locks, consisting of a casing, cylinder-locks set in the casing and provided each with a recess at one and the same side of its inner end, a main piece having side guide-flanges for engaging the walls of the casing, means for adjusting the main piece in forward or backward direction, and a swivel-piece adapted to engage the recess on the inner ends of the lock-cylinders pivoted to one end of the main piece and being guided and adjusted thereby, substantially as set forth.

4. An attachment for cylinder-locks, consisting of a casing having guide-slots, cylinder-locks supported in said casing in line with each other, said lock-cylinders being each provided with a recess at its inner end, a main piece provided with a tapped opening at one end, lugs and side guide-flanges at its opposite end, a swivel-piece pivotally connected with the recessed end of the main piece and provided with lugs extending in the guide-slots of the casing and engaging the recesses at the ends of the cylinders, and means engaging the tapped opening of the main piece for adjusting the main piece in forward or backward direction, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

CARL O. NOACK.

Witnesses:
PAUL GOEPEL,
HENRY J. SUHRBIER.