

No. 777,687.

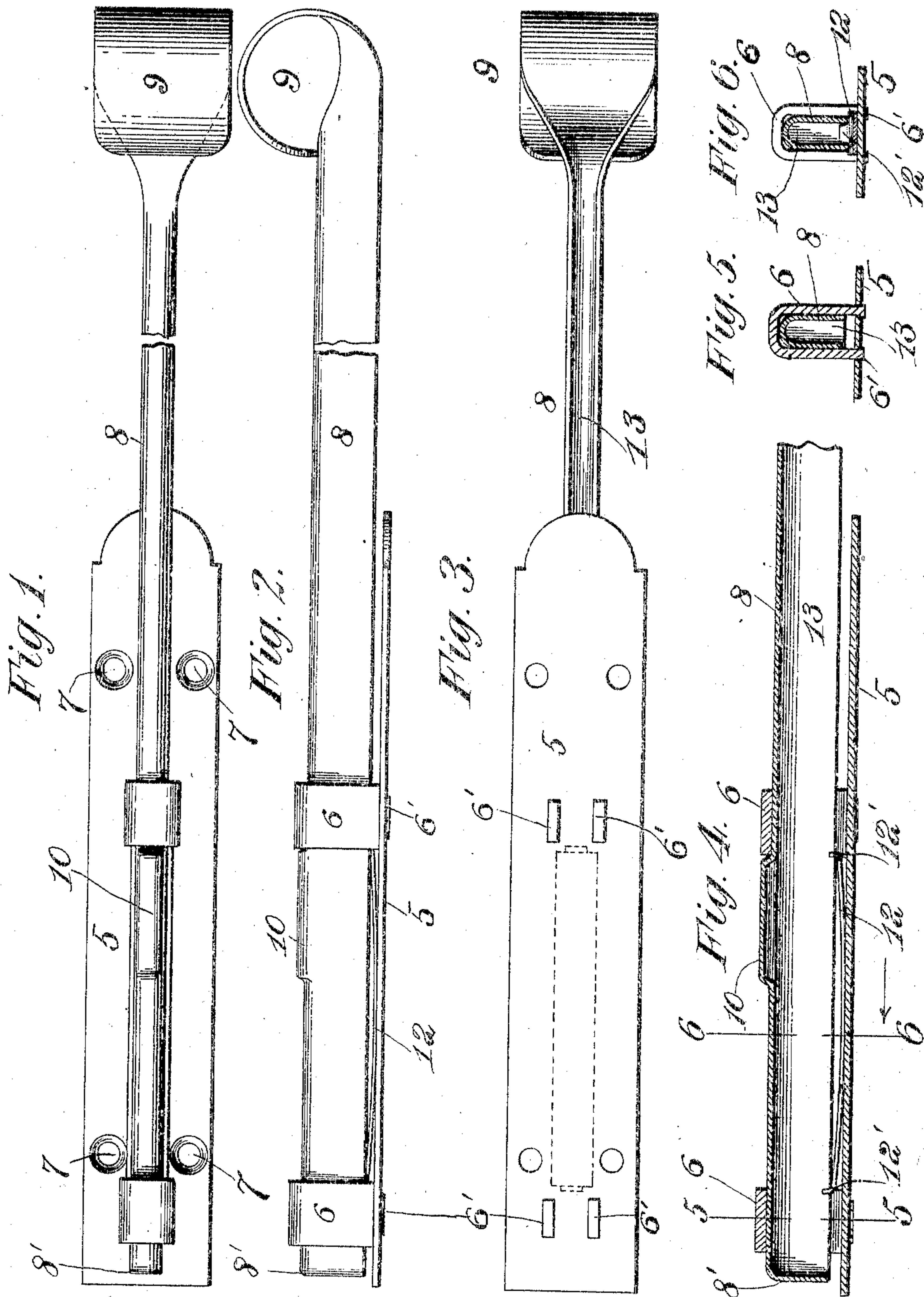
PATENTED DEC. 20, 1904.

E. A. MOORE & W. H. HART.

BOLT.

APPLICATION FILED AUG. 20, 1903.

NO MODEL.



Witnesses:  
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## UNITED STATES PATENT OFFICE.

ETHELBERT A. MOORE AND WALTER H. HART, OF NEW BRITAIN,  
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## BOLT.

SPECIFICATION forming part of Letters Patent No. 777,687, dated December 20, 1904.

Application filed August 20, 1903. Serial No. 170,155.

*To all whom it may concern:*

Be it known that we, ETHELBERT A. MOORE and WALTER H. HART, citizens of the United States of America, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Bolts, of which the following is a specification.

Our invention relates to bolts for securing sashes, doors, or other movable bodies; and it has for its object the provision of a simple and improved construction the parts of which may be formed of sheet metal at minimum expense.

A further object of the invention is the provision, in connection with a bolt of the kind mentioned, of a bow-spring having lugs fitted in the channel of the bolt, said spring serving to secure the bolt against movement upon its base-plate except when actuated to shoot it back and forth.

A further object of the invention is the provision of a base-plate having keepers and a bolt proper having a lug either stamped out of the metal or made separate therefrom, said lug being located between the keepers and serving as a stop to limit the advancing and retracting movements of the bolt.

In the accompanying drawings, Figure 1 is a plan view of our improved bolt. Fig. 2 is a side elevation thereof. Fig. 3 is a bottom plan view of the bolt and its base-plate. Fig. 4 is a partial longitudinal vertical section of my improved bolt, showing the spring for ordinarily holding the bolt against movement. Fig. 5 is a transverse section on line 5 5 of Fig. 4, and Fig. 6 is a similar section on line 6 6 of said Fig. 4.

Like numerals designate similar parts throughout the several views.

Referring to the drawings, the numeral 5 designates a base-plate of ordinary form provided with keepers 6, shown as riveted to the base-plate at 6', or they may be integral therewith, if preferred. In this base-plate are formed perforations 7 for the reception of usual devices for securing the bolt to its support.

Designated by the numeral 8 is the bolt proper, which is formed by stamping from sheet metal to the channel shape indicated in cross-section in Figs. 5 and 6, has a closed end 8' and a finger-grasp or handle 9 of the full width of the metal and bent inward until its end substantially rests against the back of the bolt. Located on this channeled bolt is a stop-lug or projection 10, which is shown formed from the metal of which the bolt is made, although this is immaterial, for it may be detachably secured thereto. This lug or stop 10 is located between the keepers or bearings 6 and serves to limit the movement of the bolt 8 as it is shot forward and backward.

Designated by 12 is a spring of slightly-bowed form, the back of which rests upon the base-plate 5, said spring being provided with short lugs or tenons 12' at its ends, which enter the channel 13 of the bolt, and thus serve as a means for holding the spring in place upon said base-plate 5, the ends of said spring adjacent to the tenons 12' bearing against the walls of the channel or slot 13 of the bolt proper, 8, and the spring thus serving to secure the bolt against movement except when shot forward or rearward.

In assembling the parts when constructed as shown the bolt proper, 8, and the spring 12 are first placed in position, with the end of the bolt entering the forward keeper 6, and the rear keeper is then placed upon the bolt proper and is riveted in place by force applied to the tenons or lugs 6' thereof.

Our invention is not limited to the exact form, size, or proportions of the parts shown, for various modifications may be made without departure from the spirit thereof; nor is it limited to any particular manner of forming the keepers 6 or of securing them in position upon the base-plate 5.

No claim is made in the present application to the combination, with a base-plate, of a channeled bolt having a channeled shank and a finger-grasp, for such subject-matter is illustrated, described, and claimed in our application filed August 20, 1903, Serial No. 170,154.

Having thus described our invention, what we claim is—

1. A bolt comprising a base-plate having keepers, and a channeled bolt having a struck-up stop located between said keepers.
2. The combination, with a base-plate having keepers, of a bolt proper of channel shape in cross-section; and a bow-spring having tenons fitting in the channel of said bolt proper.
3. A bolt comprising a base-plate; a bolt proper of channel shape in cross-section, and having a struck-up stop; keepers projecting

from the base-plate and in which the bolt proper is fitted; and a curved spring located between said keepers and having projections entering the channel of said bolt.

In testimony whereof we affix our signatures in presence of two witnesses.

ETHELBERT A. MOORE.  
WALTER H. HART.

Witnesses:

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