

No. 758,333.

PATENTED APR. 26, 1904.

F. P. PFLEGHAR.
BOLT.

APPLICATION FILED JAN. 11, 1904.

NO MODEL.

Fig. 1

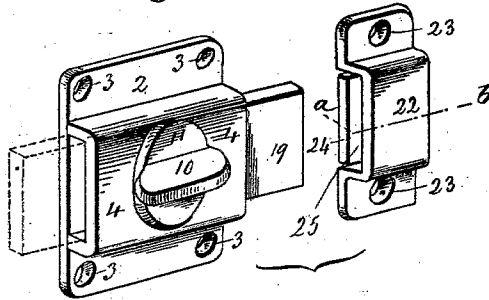


Fig. 7

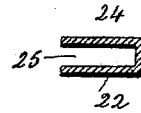


Fig. 2

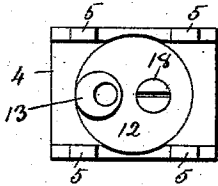


Fig. 3

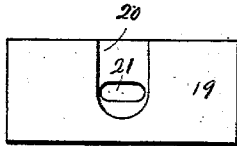


Fig. 4

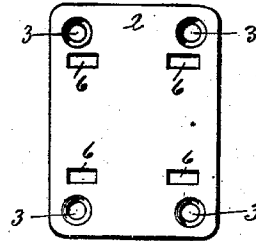


Fig. 5

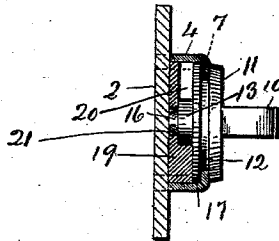
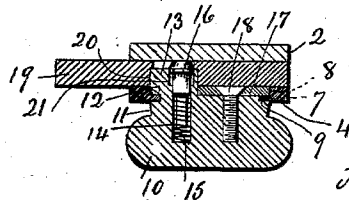


Fig. 6



Witnesses:
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Inventor.
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UNITED STATES PATENT OFFICE.

FRANK P. PFLEGHAR, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO
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BOLT.

SPECIFICATION forming part of Letters Patent No. 758,333, dated April 26, 1904.

Application filed January 11, 1904. Serial No. 188,560. (No model.)

To all whom it may concern:

Be it known that I, FRANK P. PFLEGHAR, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Bolts; and I do hereby declare the following, when taken in connection with the accompanying drawings and the figures of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of a bolt and keeper constructed in accordance with my invention; Fig. 2, an inside view of the housing with the knob attached thereto; Fig. 3, a plan view of the slide; Fig. 4, a plan view of the plate with the housing removed; Fig. 5, a vertical sectional view; Fig. 6, a transverse central sectional view; Fig. 7, a sectional view on the line *a b* of Fig. 1.

This invention relates to an improvement in bolts and keepers therefor, and while particularly constructed for use in securing sashes in automobiles and carriages it is equally applicable for other purposes where bolts are required which will not be thrown by jarring or other unintentional ways and where rattling is liable to occur and be objectionable, the object of the invention being to so construct a bolt that while it is free to be thrown or turned is not liable to be accidentally turned out of place and a keeper which will prevent rattling; and the invention consists in the construction as hereinafter described, and particularly recited in the claims.

In carrying out my invention in the construction of the bolt I employ a flat back plate 2, provided with screw-holes 3, by which it may be attached. Secured to this plate is a housing 4, and it may be secured in any desired manner. As herein shown, the edges of the housing are formed with lugs 5, adapted to enter and be upset in holes 6, formed in the plate 2. In the housing is a central hole 7, and in the inner face is a recess 8, forming an annular shoulder 9. With this housing I employ a knob 10, of any approved design, formed with a flange 11, adapted to bear upon the outer face of the housing around the opening

7 therein, and with a hub 12, extending into the opening. Projecting inward from the inner face of the hub is an eccentric roll-back 13, the outer edge of which projects beyond the edge of the hub 12 and so as to project over the shoulder 9. In the knob and opening through the roll-back is a hole 14, in which a spring 15 is placed, and bearing upon the spring is a pin 16, the outer end of which is rounded, the tendency of the spring being to force the pin outward. To hold the knob in connection with the housing, a disk 17 is employed corresponding in thickness and diameter to the depth and diameter of the recess 8, and this disk is secured to the inner face of the hub of the knob by a screw 18, the disk being cut away to fit around the roll-back 13. The knob, with its roll-back and the disk, is connected to the housing before it is attached to the plate 2, and before the parts are assembled a slide 19 is inserted between the housing and the plate, the slide corresponding in size to the size of the opening between the housing and plate. This slide is formed with a transverse recess 20, corresponding in width to the diameter of the roll-back, and with a longitudinal slot 21 to receive the end of the spring-pin 16. The parts thus constructed are assembled and the housing riveted to the plate. As the roll-back stands in the transverse recess 20, it follows that as the roll-back is turned by the knob the slide will be moved back and forth through the housing. By turning the knob the eccentric roll-back moving in the recess 20 forces the slide in or out, according to the direction in which the knob is turned. When in the extreme positions, the end of the spring-pin snaps in the slot 21 and to a certain extent locks the slide in either of the extreme positions; yet as the knob is turned the pin yields and rides upon the inner face of the slide and does not interfere with the turning of the knob. A bolt is thus produced in which the slide may be conveniently thrown in either direction, but which when thrown is not liable to be accidentally displaced, and the spring-pin not only assists in holding the slide in position, but by the action of the spring is forced into close contact with the plate, and

thereby prevents rattling of parts, a particularly desirable feature in carriage-work.

The keeper consists of a strap 22, bent to correspond in shape to the shape of the bolt-casing and provided at its ends with screw-holes 23, by which it may be secured in position. At one side of the strap is an arm 24, which extends inward and beneath the strap, substantially parallel therewith, forming a recess 25 to receive the slide 19, the finger 24 being a spring-finger and adapted to force the bolt into contact with the strap of the keeper and prevent rattling. This finger being free to move in the keeper may be bent to bear with greater or less friction upon the bolt, as is required.

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

20 1. A bolt comprising a plate, a housing secured thereto a slide extending through said housing and formed with a transverse recess,

a knob secured to the housing but free to turn therein, said knob provided in its inner face with an eccentric roll-back to enter the said recess, and a spring-pin also mounted in said knob and extending into engagement with the said slide, substantially as described.

2. The combination with a bolt comprising a housing and a slide arranged therein and adapted to be projected therefrom, of a keeper comprising a strap and a spring-finger connected with said strap and extending beneath the strap forming a socket between it and the strap to receive said bolt, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

FRANK P. PFLEGHAR.

Witnesses:

IRENE J. MCCARTY,
MAE D. CONATY.