H. G. VOIGHT.

SASH PULLEY.

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Fig. 1.

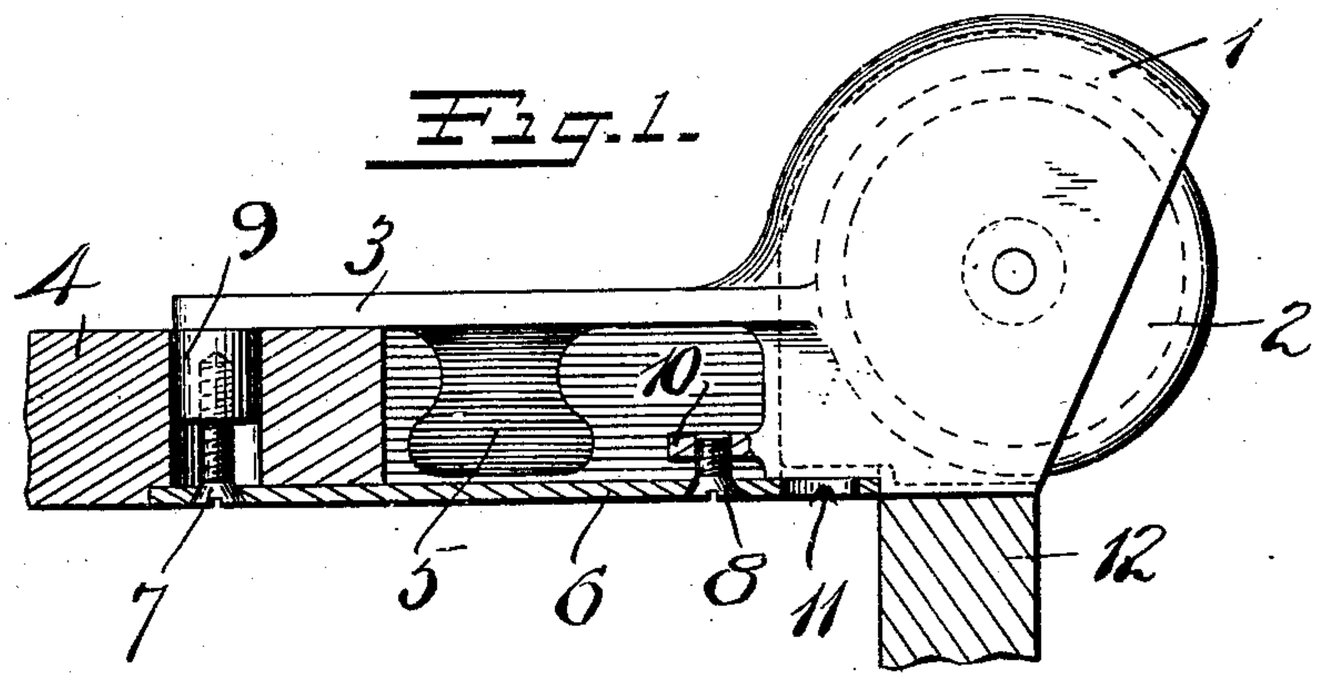


Fig. 3.

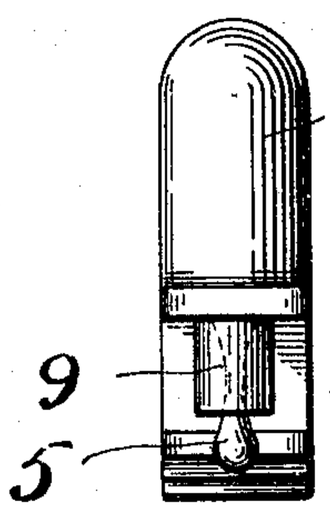


Fig. 2.

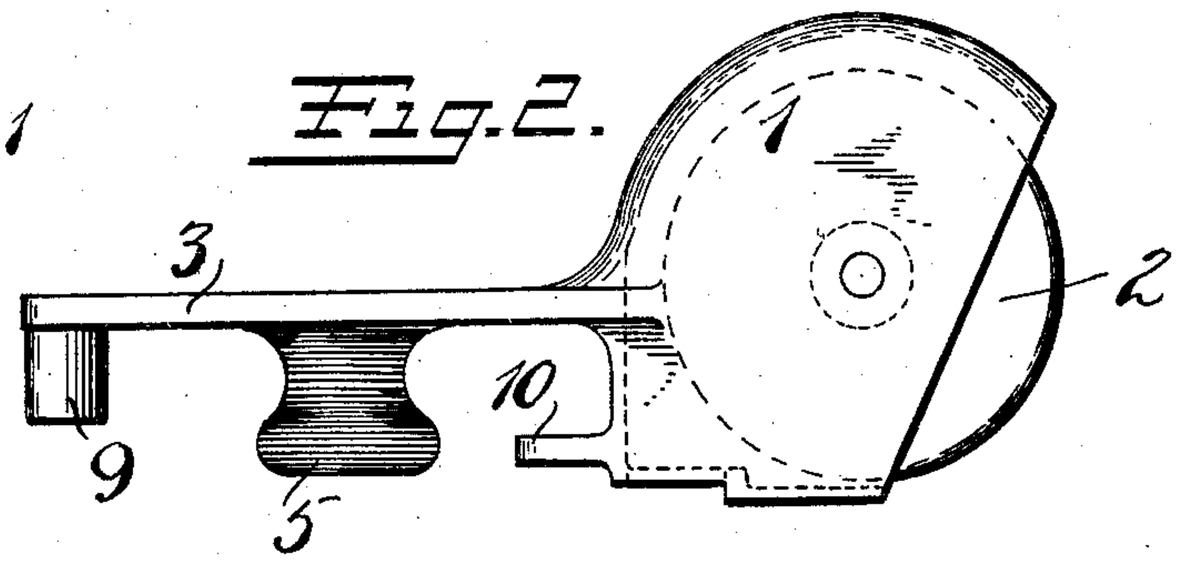
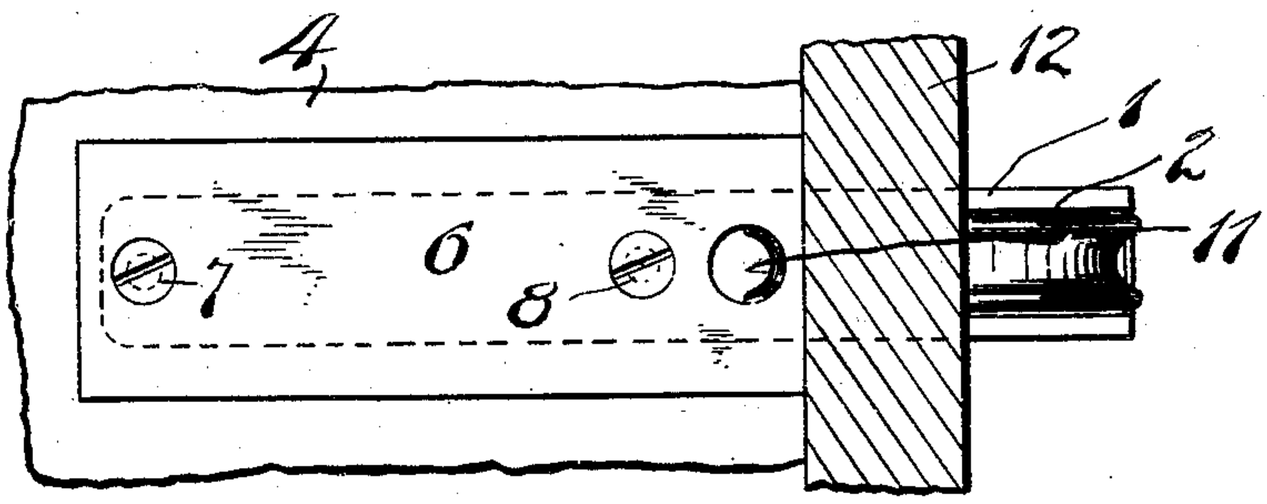


Fig. 4.



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UNITED STATES PATENT OFFICE.

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SASH-PULLEY.

978,796. Specification of Letters Patent. **Patented Dec. 13, 1910.**

Application filed October 28, 1910. Serial No. 589,591.

To all whom it may concern:

Be it known that I, HENRY G. VOIGHT, a citizen of the United States, residing at New Britain, county of Hartford, State of Connecticut, have invented certain new and useful Improvements in Sash-Pulleys, of which the following is a full, clear, and exact description.

My invention relates to overhead sash-cord guide and pulley construction, the object of the invention being to provide a simple and inexpensive arrangement whereby the device may be readily applied to window casings after the casings are set up in position.

In the accompanying drawings, Figure 1 is a side elevation of my invention in place, said view being partly in section. Fig. 2 is a side elevation of certain parts detached. Fig. 3 is a rear end elevation of the parts shown in Fig. 2. Fig. 4 is a view of the under side of the parts shown in Fig. 1.

The main frame comprises a pulley casing 1 having mounted therein a pulley, or sheave, 2. From the casing is a laterally extending arm 3, which, in this particular instance, is arranged to rest upon the top of the upper beam or lintel 4 of a window casing.

5 is a handle at the underside of the arm 3 to facilitate the application of the device.

6 is a combined keeper and cover plate, the same being preferably secured by screws 7—8 to threaded bosses 9—10 respectively on the arm part 3 of the frame.

11 is a cord passage in the plate 6 arranged to receive that part of the cord leading down to a window sash (not shown).

12 is the side part of a window casing.

In practice, the method of applying this device to a window casing is to first separate, or remove, the plate 6. The carpenter then cuts away the upper part 4 of the window casing to a sufficient extent only to permit the ready passage of the frame 1 and the arm 3, or, this passage may be cut in the window casing as prepared at the mill. The carpenter then passes the pulley housing and associated parts through this passage from the front, and finally locates it in the position shown in Fig. 1, it being preferred to drill a hole in the upper part 4 to receive the boss 9. The plate 6 is then applied and the screws 7—8 are passed through the plate and into the bosses 9—10 respectively.

The plate 6 is slightly wider than the frame, or casing, 1 and the arm 3, with the result that the passage in the upper part of the window casing is covered and protected by said plate when all of the parts are assembled. If desired, and in the event the plate 6 is of substantial thickness, a suitable shallow mortise may be provided in that part of the window casing in which said plate is to be located so that the exposed surface of the latter will lie flush with the exposed surface of the casing. Any tendency of the device to tilt when in operation is resisted not only by the support afforded for the casing 1 by the side part 12 of the casing, but also by the plate 6, which, by reason of its position, will, when connected by the screw 7 to the arm 3, prevent said tilting movement.

A second function possessed by the plate 6 is a gage plate function. When the workman is preparing to cut away the wood of the casing to receive the pulley, he first applies the plate 6 and scratches the outline of the mortise therefor, and, at the same time, locates, by means of the screw hole for the screw 7, the exact position for the bore for the boss 9.

What I claim and desire to secure Letters Patent for is:

1. In an overhead pulley construction for sash cords, a frame comprising a pulley casing having a laterally extending arm, said casing being arranged to stand above one corner of a window casing, a combined keeper and cover plate arranged to be secured at the exposed side of said window casing, and means to connect said plate to said pulley casing.

2. In an overhead pulley construction for sash cords, a frame comprising a pulley casing having a laterally extending arm, said casing being arranged to stand above one corner of a window casing, a combined keeper and cover plate arranged to be secured at the exposed side of said window casing, means to connect said plate to said pulley casing, and a cord passage through said plate.

3. In an overhead pulley construction for

sash cords, a frame comprising a pulley casing having a laterally extending arm, said casing being arranged to stand above one corner of a window casing, a combined keeper and cover plate arranged to be secured at the exposed side of said window casing, and means to connect said plate to said pulley casing, said plate being slightly wider than said frame.

4. In an overhead pulley construction for sash cords, a frame comprising a pulley casing having a laterally extending arm, said casing being arranged to stand above one corner of a window casing, a combined keeper and cover plate arranged to be secured at the exposed side of said window casing, and means to connect said plate to said pulley casing, said means comprising at least one screw.

5. In an overhead pulley construction for sash cords, a frame comprising a pulley casing having a laterally extending arm, said casing being arranged to stand above one corner of a window casing, a combined keeper and cover plate arranged to be secured at the exposed side of said window casing, and means to connect said plate to said pulley casing, said means comprising at least one screw passing through said plate and taking into said arm.

6. In an overhead pulley construction for sash cords, a frame comprising a pulley casing having a laterally extending arm, said casing being arranged to stand above one corner of a window casing, a combined keeper and cover plate arranged to be secured at the exposed side of said window casing, means to connect said plate to said pulley casing, and a boss at the outer end and underside of said arm.

7. In an overhead pulley construction for sash cords, a frame comprising a pulley casing having a laterally extending arm, said casing being arranged to stand above one corner of a window casing, a combined keeper and cover plate arranged to be secured at the exposed side of said window casing, means to connect said plate to said pulley casing, and a boss at the outer end and underside of said arm, said connecting means comprising a screw passing through said plate and engaging with said boss.

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