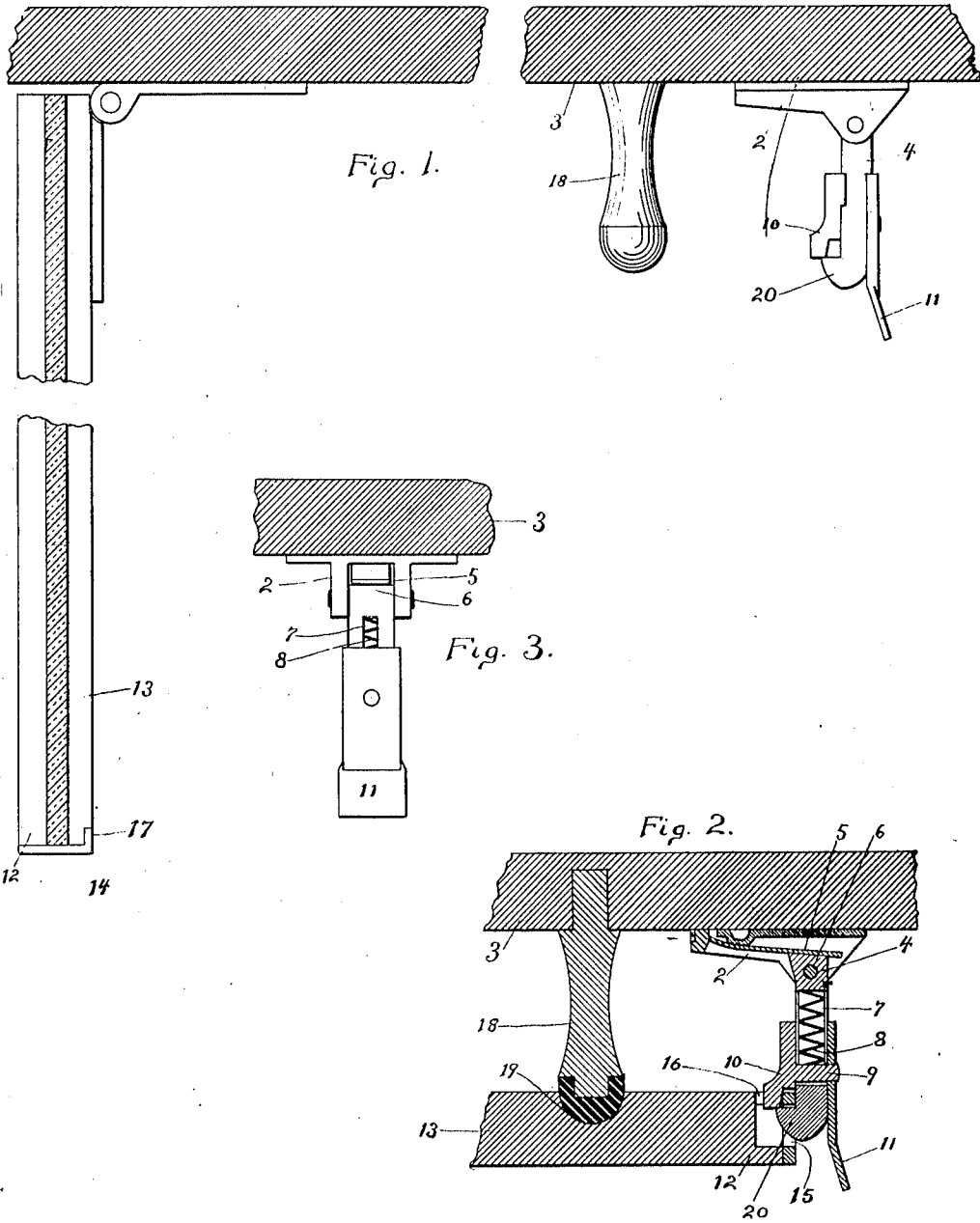


F. P. PFLEGHAR.
WIND SHIELD HOLDER.
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1,026,365.

Patented May 14, 1912.



Witnesses
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UNITED STATES PATENT OFFICE.

FRANK P. PFLEGHAR, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE ENGLISH & MERSICK CO., OF NEW HAVEN, CONNECTICUT, A CORPORATION.

WIND-SHIELD HOLDER.

1,026,365.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANK P. PFLEGHAR, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Wind-Shield Holders; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters 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 side view of my improved holder shown as applied to a vehicle body, with the wind shield or sash in the closed position. Fig. 2 a sectional view showing the sash or shield raised and locked. Fig. 3 a rear view of the latch mechanism, detached.

This invention relates to an improvement in wind-shield holder or catch for supporting a wind-shield when in a raised position. In limousine or closed carriages the wind-shield is hinged at the top and swings upward.

The object of this invention is to provide simple means for holding a wind shield or sash in a raised position; and the invention consists in the construction hereinafter described and particularly recited in the claims.

In carrying out my invention I employ a housing 2 which is adapted to be secured to the under face of the top 3 of a vehicle. Pivotally mounted in the housing is a hook 4, and within the housing is a flat spring 5 which bears against the angular base 6 of the hook. The body of the hook is formed with a slot 7 in which is a spiral spring 8 and through which a stud 9 of a latch 10 projects, and on the rear of the hook is a finger-piece 11 secured to the stud 9 and providing means for lifting the latch 10. The lower edge 12 of the wind shield or sash 13 which is also hinged to the top, is provided with a strike plate 14 having a bolt-receiving opening 15 in the under face, and with a locking-notch 16 in the flange 17 which extends onto the inner face of the sash. Preferably a locking device will be arranged at each side of the vehicle to engage with opposite sides of the wind-shield

or sash, and preferably also the top will be provided with a stop 18, and the sash rails with beveled openings 19 to limit the upward movement of the sash and assist in holding it against lateral movement. When the sash is raised the strike plate 14 will come in contact with the nose 20 of the hook and force it slightly rearward and so that the edge of the strike plate will engage with the lower end of the latch 10 and lift the latch to such an extent that the nose 20 may pass into the opening 15. As the nose of the hook enters the opening 15 the lower end of the latch will enter the notch 16 and so that the strike plate is held within the hook by the latch. At this time the plug 18 has a bearing in the opening 19 and these bearings may be bushed with rubber if desired.

To release the wind shield or sash it is only necessary to press upward on the plate 11 which will lift the latch 10 out of the notch 16 and permit the hook to be moved rearward so as to disengage the nose 20 of the hook from the strike plate. In raising the sash to its locked position the operation of the latch and hook is automatic. When not in use the hook may be turned upward against the inner face of the top, the spring 5 holding the hook in either the retired or operating position, and also serves to bring the hook into locking engagement when the sash is pushed upward.

I claim:—

1. The combination with a housing, of a spring-actuated hook mounted therein, the body of the hook formed with a slot, a spring in said slot, and a latch having a projection extending through said slot and bearing on said spring.

2. The combination with a housing, of a hook mounted therein, a spring in said housing and acting on the inner end of said hook, the body of the hook formed with a slot, a spring within said slot, a latch having a projection extending through said slot, a finger-piece secured to said projection, combined with a strike-plate adapted to be engaged by said hook and latch.

3. The combination with a housing, of a hook pivotally mounted therein, a spring in said housing and bearing on the inner end of said hook, said hook formed at its outer end with a nose and its body formed with a

slot, a spring within said slot, a latch sliding on said body and formed with a stud extending through said slot beneath said spring, a finger-piece secured to said stud, and a strike plate formed with an opening to receive the nose of the hook, and with a notch to receive the end of said latch.

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

FRANK P. PFLEGHAR.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."