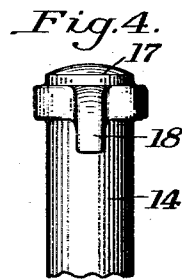
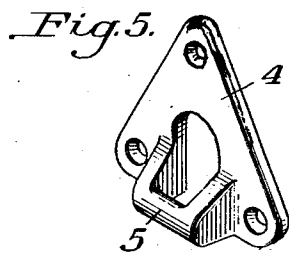
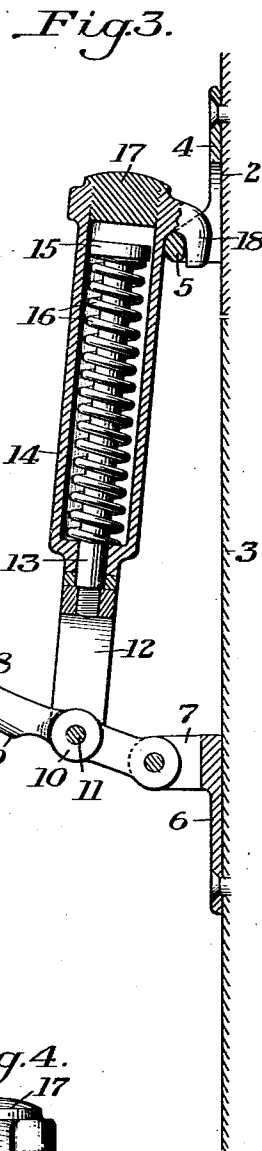
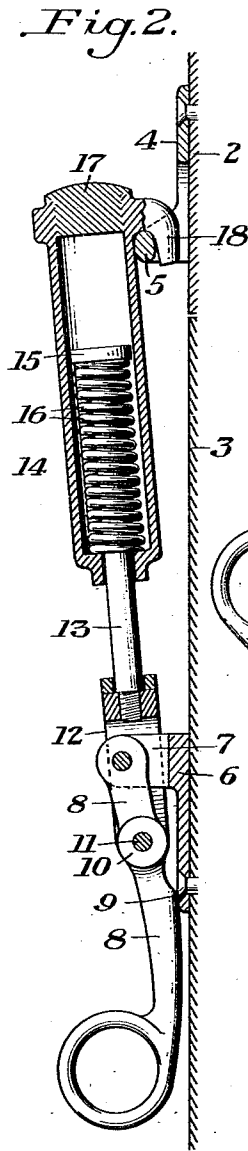
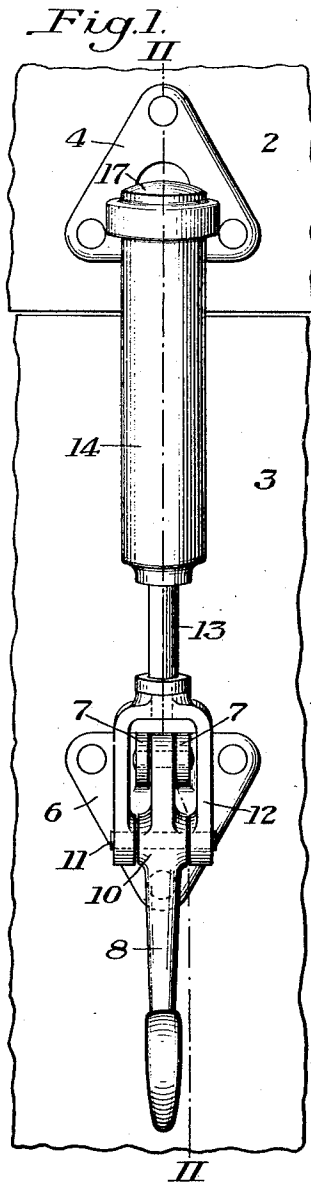


W. A. SCHLEICHER.
HOOD FASTENER.
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1,382,322.

Patented June 21, 1921.



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HOOD-FASTENER.

1,382,322.

Specification of Letters Patent. Patented June 21, 1921.

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To all whom it may concern:

Be it known that I, WILLIAM A. SCHLEICHER, a citizen of the United States, residing in Cleveland, county of Cuyahoga, and State of Ohio, have invented a new and useful Improvement in Hood-Fasteners, of which the following is a full, clear, and exact description.

The present invention relates broadly to fasteners of the barrel type and more particularly to hood fasteners adapted for heavy trucks having three-piece hoods.

An important object of the invention is to provide a barrel fastener having the operating mechanism carried by the lower end thereof, and having an engaging hook directly carried by the barrel.

Another object of the invention is to provide a barrel fastener having both ends of the barrel closed and having a link operating mechanism permanently secured to the barrel through a resilient connection, the barrel having means adjacent the upper end thereof for attaching one end to the hood.

A further object of the invention is to provide connections of such nature with the barrel that free relative rotational movement of the same is permitted at all times.

The foregoing and other objects, together with their attendant advantages, will be apparent as the invention becomes better understood by reference to the accompanying specification and drawings forming a part thereof, it being premised, however, that changes may be made in the various details and the manner of operation within the scope of the appended claims, without departing from the spirit of my invention.

Figure 1 is a front elevation of a fastener constructed in accordance with the present invention in position on a hood;

Fig. 2 is a vertical sectional view on the line II-II of Fig. 1;

Fig. 3 is a sectional view corresponding to Fig. 2 with the operating handle in upper position;

Fig. 4 is a detail view of the upper end of the barrel; and

Fig. 5 is a perspective view of the upper fastening plate.

Referring more particularly to the drawings, there is indicated a portion of a relatively movable structure 2 adapted to be resiliently connected to a hood piece 3 or the like. In the present instance, the reference numeral 3 designates one of the side plates

of a truck hood while the reference character 2 designates the curved top plate of the hood. Secured to the top plate 2 is a fastening plate 4 having formed thereon a bar or keeper 5.

Secured adjacent the upper portion of the side plate 3 is a fastening plate 6 having bearing lugs 7 projecting forwardly therefrom. Pivoted between the lugs 7 is an operating handle 8 having a portion 9 adapted to cooperate with the fastening plate to prevent the operating handle from coming into contact with the side plate. Intermediate its ends, the operating handle is enlarged to form a bearing 10, through which passes a pin 11 to pivotally connect the operating handle to a yoke 12 mounted on one end of a piston 13. This piston has its opposite end mounted within a barrel 14 and is provided with a head 15 adapted to cooperate with a compression spring 16 surrounding the piston and extending between the head 15 and the lower end of the barrel.

After the piston and spring have been mounted in position within the barrel, the upper end thereof is preferably closed by a plug 17 or the like, suitably secured in position. Extending laterally from one side of the barrel adjacent the upper end thereof is a comparatively narrow hook 18 adapted to fit over the keeper 5, as clearly illustrated in the drawings. After the hook has been placed in engagement with the keeper, as shown more particularly in Fig. 3, the operating handle is moved downwardly into the position illustrated in Fig. 2, thereby compressing the spring 16 and securing the portions 2 and 3 of the hood structure together.

Due to the shape of the barrel and piston, it will be apparent that with the parts in securing position, relative movement between the piston and barrel will be permanent to accommodate the piston to movements of the different portions of the hood. Due to the construction of the barrel with its opposite ends closed and the provision of a hook directly secured to one side of the barrel, the present fastener adapts itself admirably to use in connection with truck hoods of the three-piece type, although it will be apparent that its use in this particular is not limited.

The advantages of the present invention arise from the provision of a fastener completely closed and having a connecting hook

adjacent one end thereof facilitating securing the fastener in position.

Further advantages arise from the resilient connection between the lower fastening plate and the barrel through the operating handle which is permanently secured in position.

I claim:

1. A fastener of the character described, comprising a barrel, a piston mounted therein, a compression spring cooperating therewith, means for closing the upper end of said barrel, a hook formed on said barrel adjacent the upper end thereof, a keeper adapted to be engaged by said hook, and operating mechanism connected to said piston for compressing said spring after said hook and said keeper are engaged, substantially as described.
2. A fastener of the character described, comprising a barrel, a piston freely rotatable therein, a compression spring cooperating therewith, a hook projecting laterally from said barrel, a keeper adapted to be engaged by said hook, and operating mechanism connected to said piston for compressing said spring after said hook and said keeper are engaged, substantially as described.
3. A fastener of the character described, comprising a barrel, a piston mounted therein, a compression spring cooperating therewith, means for closing the upper end of

the barrel, a laterally projecting hook formed on said barrel adjacent the upper end thereof, a keeper adapted to be engaged by said hook, and operating mechanism connected to said piston for compressing said spring after said hook and said keeper are engaged, substantially as described.

4. A fastener of the character described, comprising a barrel, a piston mounted therein, a compression spring cooperating therewith, means for closing the upper end of said barrel, a hook formed on said barrel adjacent the upper end thereof, a keeper adapted to be engaged by said hook, a fastening plate, a lever pivotally secured thereto a yoke on said piston, and a pivotal connection between said lever and said yoke, substantially as described.

5. A fastener of the character described, comprising a barrel, a piston freely rotatable therein, a compression spring cooperating therewith, a laterally projecting hook formed on said barrel adjacent the upper end thereof, a keeper adapted to be engaged by said hook, a fastening plate, a lever pivotally secured thereto and means for pivotally connecting said lever to said piston for operating the same, substantially as described.

In testimony whereof, I have hereunto set my hand.

WILLIAM A. SCHLEICHER.