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HOOD LOCK FOR AUTOMOBILES.
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Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

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WITNESSES

ATTORNEY
Hood-Lock for Automobiles.

UNITED STATES PATENT OFFICE.

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HOOD-LOCK FOR AUTOMOBILES.

1,121,111.


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To all whom it may concern:

Be it known that I, FRANKLIN C. MILLER, a citizen of the United States, residing at Easton, in the county of Northampton and State of Pennsylvania, have invented a new and useful Hood-Lock for Automobiles, of which the following is a specification.

The invention relates to improvements in hood locks for automobiles.

The object of the present invention is to improve the construction of hood locks for automobiles, and to provide a simple, inexpensive and efficient hood lock, adapted to be readily applied to automobiles and analogous vehicles, and equipped with a spring for holding the hood against the frame of the machine under a constant pressure and with key operated locking mechanism, capable of preventing access to the motor by a thief or unauthorized person.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims here to appended, it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing: Figure 1 is a side elevation of an automobile hood lock, constructed in accordance with this invention and shown applied to a portion of an automobile. Fig. 2 is a vertical sectional view of the same, taken transversely of the hood. Fig. 3 is a vertical sectional view, taken longitudinally of the hood. Fig. 4 is a horizontal sectional view on the line 4-4 of Fig. 2.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

In the accompanying drawing in which is illustrated the preferred embodiment of the invention, the hood lock for automobiles comprises in its construction a hood retaining or engaging member consisting of a vertical stem 1, a finger loop or ring 2 and a horizontal arm 3, extending from one side of the loop or ring 2 and adapted through a rotary movement of the hood retaining or engaging member to be carried into and out of engagement with a hood 4. The stem 1, which is arranged in a vertical position, is round to form a pivot, and it is mounted for rotary and sliding movement in an opening 5 of a channeled side rail 6 of the frame or chassis of an automobile. The opening 5 is formed in the upper flange of the rail 6 and the stem extends into the channel of the latter and has disposed on it a coiled spring 7, interposed between the upper flange of the channel and a suitable stop of the stem. The stop of the stem is illustrated in the drawing as consisting of a washer 8 and a pin or key 9, but any other suitable means may, of course, be employed for connecting the lower end of the spring with the hood engaging member. The coiled spring urges the hood engaging member downwardly and holds the hood against the upper flange of the rail, as clearly illustrated in Fig. 2 of the drawing.

The hood engaging member is adapted to be rotated to carry the projecting arm 3 into and out of a horizontal slot 10 formed in the hood 4 near the lower edge thereof and having one end arranged in substantially the same transverse plane as the vertical stem of the hood engaging member, whereby when the arm is swung inwardly into engagement with the wall at such end of the slot, it will occupy a position transversely of the machine, as clearly shown in Fig. 4 of the drawing. The arm 3 is adapted to be swung out of the slot 10 of the hood 4 to the dotted line position shown in Fig. 4 through the rotary movement of the vertical stem to release the hood, and it is confined in the slot by a vertically movable key operated bolt 11 of a lock 12, arranged interiorly of the hood and secured to the inner face of the side of the same preferably at a point above the horizontal slot 10. The bolt 11 when projected extends across the slot into the path of the oscillatory arm 3 and is adapted to prevent the same from being swung outwardly out of engagement with the hood.

The lock 12, which may be of any preferred construction, has its key hole 13 exposed at an opening 14 in the side of the hood to enable it to be operated by a proper key to withdraw the bolt and release the arm 3 of the hood engaging member. The key operated lock effectually prevents a person not provided with the proper key from obtaining access to the engine of an automobile or analogous motor vehicle, and the lock of the hood does not interfere with the employment of a coiled spring for yieldingly hold-
ing the hood against the frame of the machine.

What is claimed is:—

1. In a device of the class described, the combination with a hood, and a frame, of a hood engaging member including a spring pressed vertical pivot mounted on the frame, and an arm carried by the pivot and arranged to swing horizontally into and out of engagement with the hood, and a lock having a key operated bolt arranged to be projected into the path of the said arm for retaining the latter in engagement with the hood.

2. In a device of the class described, the combination of a frame, a hood provided with a slot, a hood engaging member including a spring pressed vertical stem mounted for pivotal movement on the frame, and a horizontal arm carried by the stem and arranged to swing into and out of the slot of the hood, and a key operated lock mounted on the hood and having a bolt arranged to be projected at the slot into the path of the arm to retain the latter in engagement with the hood.

3. In a device of the class described, the combination of a frame, and a hood provided with a horizontal slot, a hood engaging member including a vertical stem mounted for rotary movement on the frame, and a horizontal arm carried by the stem and arranged to swing into and out of the slot in the hood, and a key operated lock mounted interiorly of the hood and having a bolt arranged to be projected across the slot to confine the arm therein, said lock having its key hole exposed at the exterior of the hood.

4. In a device of the class described, the combination of a frame, a hood arranged upon the frame and having a horizontal slot, a hood engaging member including a vertical stem mounted for sliding and rotary movement on the frame, and a horizontal arm carried by the stem and arranged to swing into and out of the slot, and a spring connected with the stem for urging the latter downwardly to hold the hood against the frame.

5. In a device of the class described, the combination of a frame, a hood arranged upon the frame and movable upwardly therefrom, said hood having a slot located above the said frame, a hood engaging member including a vertical stem mounted in the frame for rotary and sliding movement, a horizontal arm carried by the stem and arranged to swing into and out of the slot of the hood, and a coiled spring disposed on the stem and arranged to urge the same downwardly for holding the hood against upward movement.

6. In a device of the class described, the combination of a frame, a hood having a slot, a hood engaging member including a vertical stem mounted on the frame for slidable and pivotal movement, a finger loop or ring arranged at the upper end of the stem, a horizontal arm projecting from one side of the finger loop or ring and arranged to swing into and out of the slot of the hood, and a spring connected with the stem and arranged to urge the said member downwardly to hold the hood against the frame.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

FRANKLIN C. MILLER.

Witnesses:
 Russell D. Welch,
 J. Russell Brown.