

(No Model.)

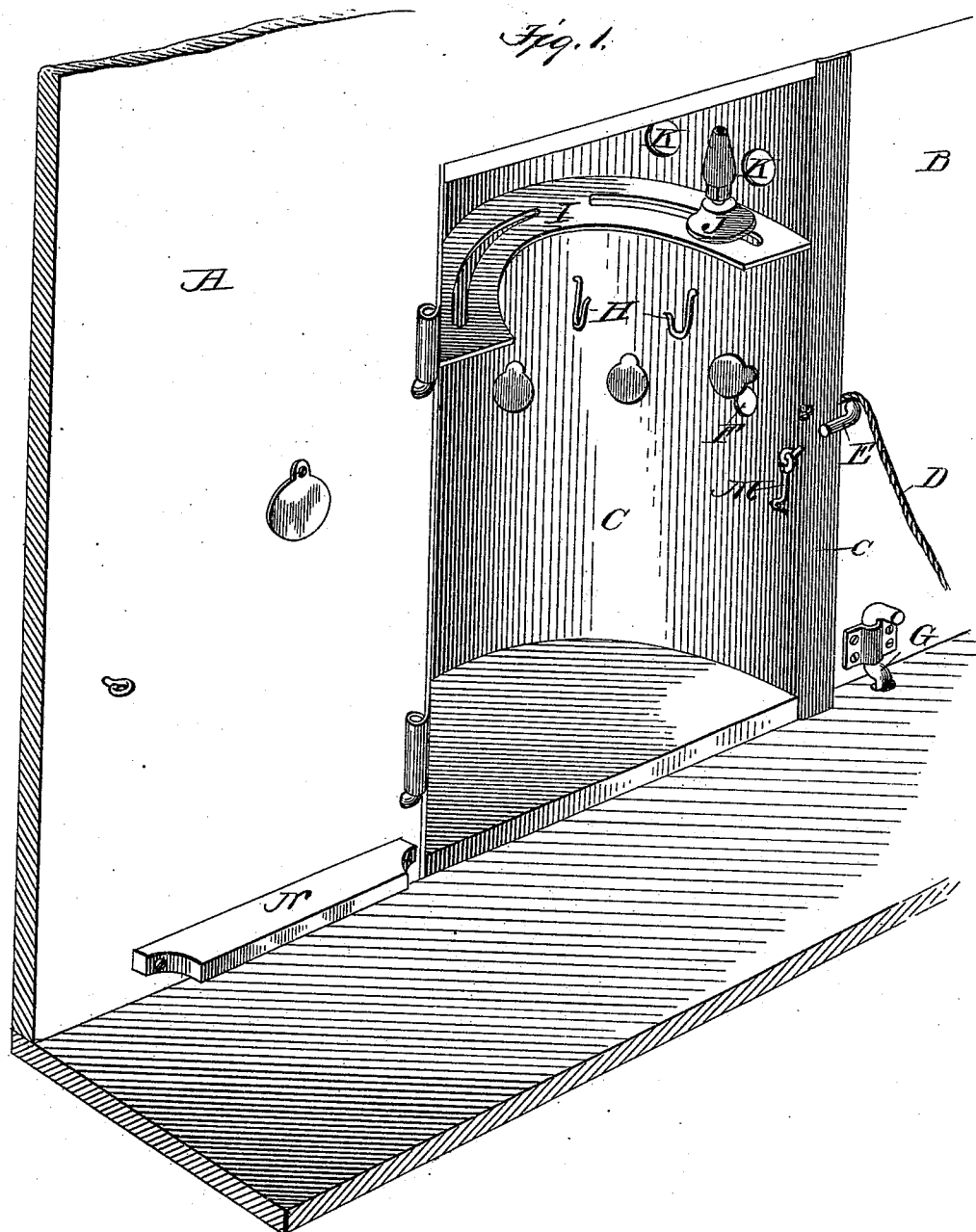
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F. H. KARNATZ.

APPARATUS FOR PROTECTING CARS FROM BURGLARS.

No. 546,890.

Patented Sept. 24, 1895.



Witnesses:
F. N. Cornwall
Hugh K. Wagner

Inventor
Frederick H. Karnatz
by Paul Bakewell
his atty.

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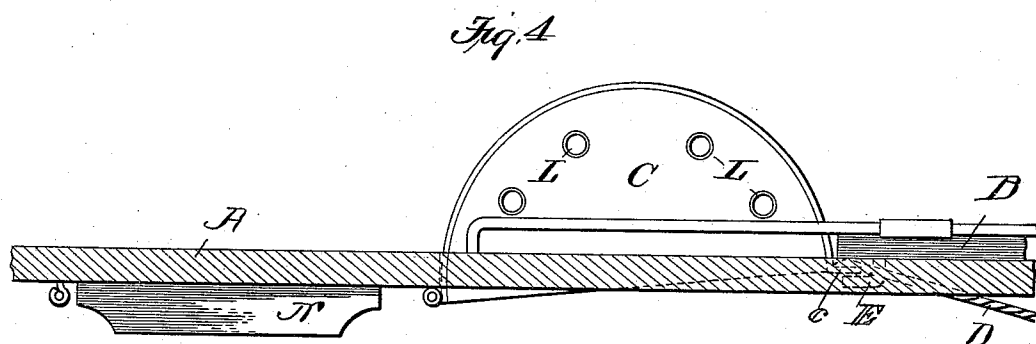
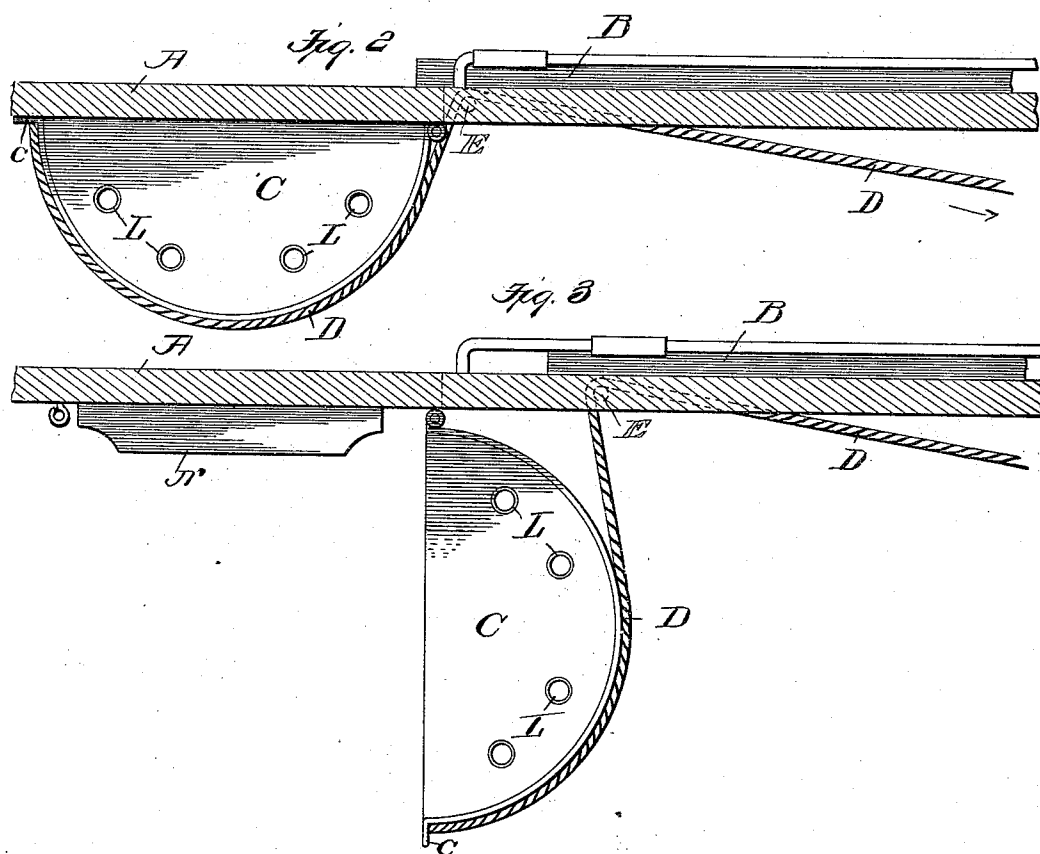
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UNITED STATES PATENT OFFICE.

FREDERICK H. KARNATZ, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF
TO EDWARD J. SCHALL, OF SAME PLACE.

APPARATUS FOR PROTECTING CARS FROM BURGLARS.

SPECIFICATION forming part of Letters Patent No. 546,890, dated September 24, 1895.

Application filed March 27, 1895. Serial No. 543,371. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK H. KARNATZ, a citizen of the United States, residing at the city of St. Louis, State of Missouri, have invented a certain new and useful Improvement in Apparatus for Protecting Cars from Burglars, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, wherein—

Figure 1 is a perspective view, showing my improved apparatus in position, as seen from the inside of a car. Figs. 2, 3, and 4 are top plan views of my improved apparatus, showing the manner of throwing the same in position, at the same time operating the car-door.

This invention relates to a new and useful improvement in apparatus for protecting cars from burglars, the object being to construct a device of the class described which will permit the occupant of the car to which it is attached to shield himself while guarding the car on the outside, said apparatus being also adapted to act as a shield for the occupant of the car in case of burglars gaining access to the interior of the car.

With these objects in view, the invention consists in the construction, arrangement, and combination of the several parts, all as will hereinafter be described, and afterward pointed out in the claims.

In the drawings, A indicates the side of a car, and B the sliding door arranged thereon.

Hinged to the door-jamb, or at the inside of a car adjacent to the opening closed by door B, is a swinging shield C, preferably semicircular in form, the top and bottom being closed, as shown. This swinging shield, when folded on the inside of the car, as shown in Fig. 2, may be used as a protection for the occupant from persons within the car.

The outer edge of the shield is formed with a rabbet c, to which is secured a flexible cord or chain D. When it is desired to throw the shield in position so that the occupant can command the outside of the car, at the same time preventing persons from the outside from gaining access to the interior of the car through the door B, I catch the rope D over a hook E on door B and pull the rope in the direction of the arrow shown in Fig. 2. This

swings the shield away from the inside of the car, at the same time slowly opening the door B, until the shield fully occupies the opening made by door B and projects outside the car, as shown in Figs. 4 and 1. Hook E is now turned over the rabbet c, when the occupant can step inside of the shield and through port-holes F in the shield command that side of the car. In order to prevent the door B from being pushed farther back when the shield is thus thrown out, I arrange on said door a drop-bolt G, which prevents any further movement of the door and locks it in position.

H indicates hooks, which are preferably arranged within the shield, affording convenient means for suspending firearms, enabling the operator to be in readiness. Extending around the shield near its upper portion is a shelf or bracket I, which is preferably slotted, through which slots pass threaded extensions on lamps J, upon which extensions are arranged thumb-nuts (not shown) for holding the lamp in an adjusted position. Openings K are arranged above the bracket I, permitting the lamps to cast their rays therethrough to make visible objects outside the car, at the same time lighting up the interior of the shield. Openings L are arranged in the roof of the shield to conduct off heat from the lamps.

Should the occupant of the car desire to get within the shield to protect the interior of the car, I have arranged a bracket N upon which the occupant can stand while closing the shield, thus relieving it of his weight, and to lock the shield on the inside of the car I place a hook M in the shield, which co-operates with an eye in a side wall of the car. I also prefer to make a port-hole in the side wall of the car within the limit of the shield when closed, which might be useful at times.

I am aware that many minor changes in the construction and arrangement of the several parts of my device could be made and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

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

1. The combination with a shield which is pivoted adjacent to a door, of means for projecting the shield through the door, at the same time opening the door to admit of the passage of the shield; substantially as described.
2. The combination with a shield which is hinged adjacent to a door, which shield is adapted to be folded against the wall, of a sliding door, and means for opening the door and projecting the shield therethrough; substantially as described.
3. The combination with a shield which is hinged at the inside of a car adjacent to the door, of a door, a hook on the door, a flexible rope or chain secured to the outer edge of the shield, which rope or chain is adapted to be caught by the hook, for the purpose of swinging the shield and projecting it through the opening made by the door, which is opened co-incidentally with the shield, and a rabbet on the shield with which the hook is adapted to engage; substantially as described.
4. The combination with a swinging shield, of a door, means for operating both co-incidentally, and a drop-bolt mounted on the door for locking the same after the shield has been projected through the opening made by the door; substantially as described.
5. The combination with the side wall of a car, of a bracket *n* projecting therefrom, and a swinging shield which incloses said bracket; substantially as and for the purposes described.
6. The combination with a swinging shield of a slotted shelf arranged therein, and lamps which are mounted upon said shelf and locked in position through the medium of the slot; substantially as described.
7. The combination with a swinging shield which is provided with ports and light openings, of lamps arranged within the shield, which lamps are adapted to be moved to register with the different light openings, and means for operating said shield; substantially as described.

In testimony whereof I hereunto affix my signature, in presence of two witnesses, this 23d day of March, 1895.

FREDERICK H. KARNATZ.

Witnesses:

F. R. CORNWALL,
HUGH K. WAGNER.