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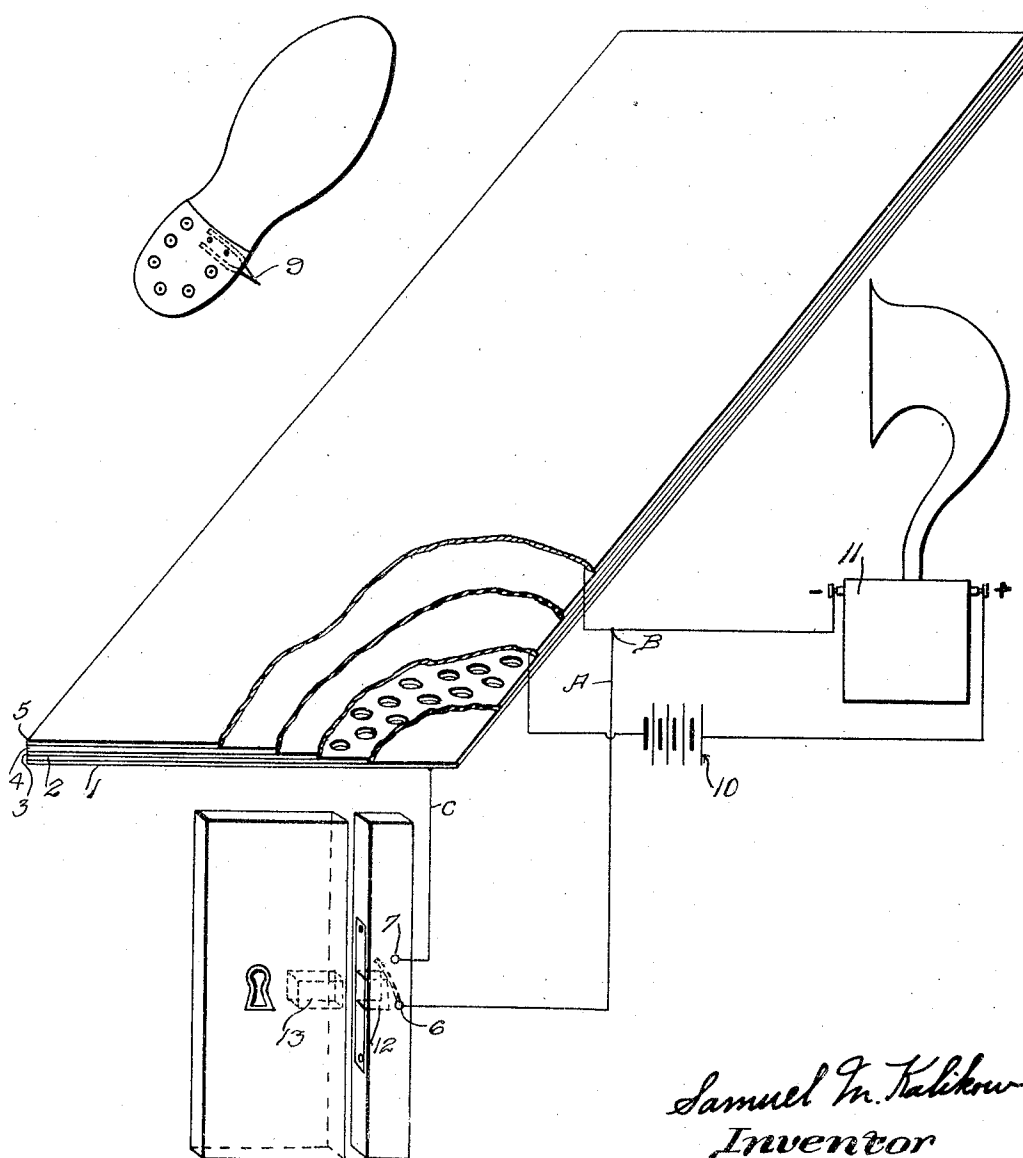
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THEFT ALARM

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Fig. 2.

Fig. 1.



UNITED STATES PATENT OFFICE.

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THEFT ALARM.

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This invention relates to theft alarms, and the object thereof is to provide a device of this character especially adapted for the protection of stores, lofts, banks, and private homes, and is so constructed that an alarm may be given at any time, regardless of where the operator may be.

Another object is to so construct such an alarm that it is always prepared to be operated upon, during business hours by the lawful occupants of the premises, and during night time by the unlawful entrance of a burglar.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter disclosed and claimed, it being understood that the changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed without departing from the spirit of the invention.

In the accompanying drawings:—
Figure 1 represents a view of my invention in the shape of a floor mat.

Figure 2 is a view of a door showing lock plunger in door jamb.

Figure 3 represents a shoe of a lawful operator, with a steel pin attached to the lower outboard side of heel.

In the embodiment illustrated, the theft alarm constituting this invention is shown in the shape of a mat upon the floor, and comprises member 1, composed of sheet metal, member 2 is composed of a plurality of perforations in a springy insulating material, member 3 same as member 1, member 4 is a sheet of insulating material, member 5 is the same as members 1 and 3.

From the above description it will be obvious that this theft alarm consists of five (5) main members, 1—2—3—4—and 5, and that member 3 being directly connected by —A— to negative terminal of battery 10, member 5 connected by —B— to alarm box 11 and switch 6 resting in rear of 12 of Figure 2.

In the use of this theft alarm for protection during business hours, the operator, when threatened by a bandit, needs only to turn his ankle slightly, so that steel pin 9

attached to heel of shoe 14 penetrate through members 5—4 and need only touch 3 causing instant contact, and is sufficient to actuate alarm box 11.

When premises are locked for the night, lock plunger 13 of Figure 2 entering in locking engagement with 12, forcing switch lever 6 to make contact with terminal 7 connected to member 1 by —C— which automatically transforms the apparatus into a night alarm as well as a day alarm. Any person placing his weight upon the apparatus when in this position will cause the parts of member 3 covering the perforations of member 2 to sag downward, thereby touching member 1 and making contact. When door is unlocked, lock plunger 13 releasing spring switch lever 6 from terminal 7, and, when in this position, the lawful occupant of the premises may walk upon the theft alarm without causing an alarm.

From the foregoing description taken in connection with the accompanying drawings, the advantages of the construction and the method of operation will be readily apparent to those skilled in the art in which this invention appertains, and while I have described the principle of the operation of the invention together with the device that I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative and that such changes may be made as within the scope of the claimed invention.

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

A combined hold up and burglar alarm for stores and the like comprising in combination a floor mat composed of at least five superimposed members, the upper middle and lowermost of said members being of sheet metal, the other two of said members being of insulating material, the lowermost of the latter two having cut out portions therein, at least the three uppermost members being flexible, the two uppermost members being readily penetrable, a source of current, an alarm device, a lock operated switch, a hold up circuit including said source, alarm device and the two uppermost metal members, a burglar alarm circuit

including said source, alarm device, switch and the two lowermost metal members and a penetrating metal point adapted to be attached to the foot of a person whereby said first circuit may be closed by the piercing of two uppermost members by said penetrating point, and said second circuit may be closed, when said lock switch is closed by a weight on the mat sufficient to cause the middle member to sag through the cutaway portions in the lowermost insulating member and contact with the lowermost member.

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