(No Model.)

R. D. COGGESHALL.

DOOR KNOCKER AND ALARM.

No. 602,573. Patented Apr. 19, 1898.

Fig. 1.

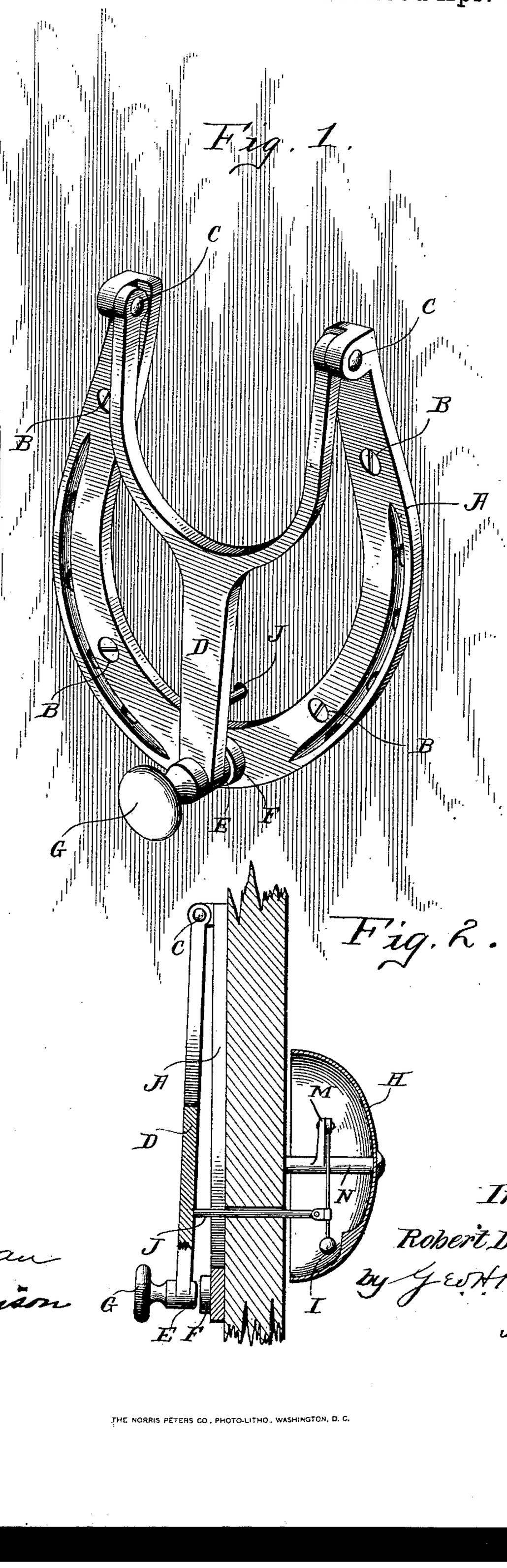

Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

ROBERT D. COGGESHALL, OF NEWPORT, RHODE ISLAND, ASSIGNOR OF THREE-FOURTHS TO J. D. JOHNSTON, OF SAME PLACE.

DOOR KNOCKER AND ALARM.

SPECIFICATION forming part of Letters Patent No. 602,573, dated April 19, 1898.

Application filed August 27, 1897. Serial No. 649,682. (No model.)

To all whom it may concern:

Be it known that I, ROBERT D. COGGESHALL, a citizen of the United States, residing at Newport, in the county of Newport and State of Rhode Island, have invented a certain new and useful Improvement in Door Knockers and Alarms, of which the following is a specification.

My invention relates to a new and useful improvement in door-alarms, and especially that class known as "knockers," and has for its object to provide a simple, neat, and effective device by means of which the occupants of a house may be made aware of the presence of a person from the outside of the door desiring to gain admission and which will permit the ringing of a bell or gong upon the inside of the door by the usual movement of the knocker; and a further object of my invention is to render the outward appearance of the knocker attractive and unique.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth, and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, its construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective of the knocker before attachment to a door; and Fig. 2, a section of a portion of a door, showing the knocker secured upon the outside thereof and the gong upon the inside with the intervening means for sounding said gong.

In carrying out my invention as here embodied, A represents the stationary member of the knocker, which is of horseshoe shape and adapted to be secured to the outer surface of the door by the passage of suitable screws through the countersunk holes B, and to the heels of the horseshoe at C is pivoted the movable member D, which latter is forked at its upper end for this purpose, while its lower end terminates in a striker E, which is adapted to come in violent contact with the boss F, projecting from the outer surface of the horseshoe. Secured to or formed with the lower end of the movable member is a knob G, by means of which said member may be manipulated for the purpose of alarming the occupants of the house.

As a further means for alarming the occupants I provide a bell or gong H, which is placed upon the inner surface of the door, and to ring the gong I secure a spring striker-arm I to an arm M of the bell-support N and pivot the striker-pin J to the lower end of the striker. This pin J projects through the door and fits against the knocker, holding it normally away from the stationary member, so that it terminates in the field of action of the knocker D, so that when this movable member or striker is operated the gong will be sounded, as will be readily understood. By this arrangement the necessity for unduly operating the knocker is obviated, since the gong being upon the inside of the door will be easily heard by the occupants of the house without the violent movements of the knocker.

An alarm made in accordance with my improvement is exceedingly simple in construction, and the method of operating the same is so obvious and well known that any one will intuitively manipulate the same properly, while the design, that portion exposed upon the outside of the door representing a horseshoe, will be exceedingly attractive and unique, since the same is the emblem of "good luck."

Having thus fully described my invention, what I claim as new and useful is—

A door knocker and alarm consisting of a stationary member secured to a door, a knocker pivoted to the stationary member, a bell, secured to the inside of the door, an enlargement formed on the inner surface of the bell, an arm formed on the bell-support and extending to one side thereof, a spring-striker secured to the arm and extending downward, the lower end thereof being enlarged to form

a knob and terminating a short distance from the enlargement on the bell which it is adapted to strike, and a striker-pin pivoted to the striker and extending through the door fitting against the knocker and holding it normally away from the stationary member, as and for the purpose described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

ROBERT D. COGGESHALL.

Witnesses:

DARIUS BAKER,

W. O. MILNE.