

(No Model.)

C. A. McCORDY.
ANNUNCIATOR.

No. 516,708.

Patented Mar. 20, 1894.

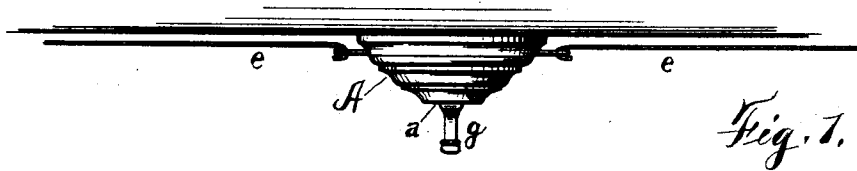


Fig. 1.

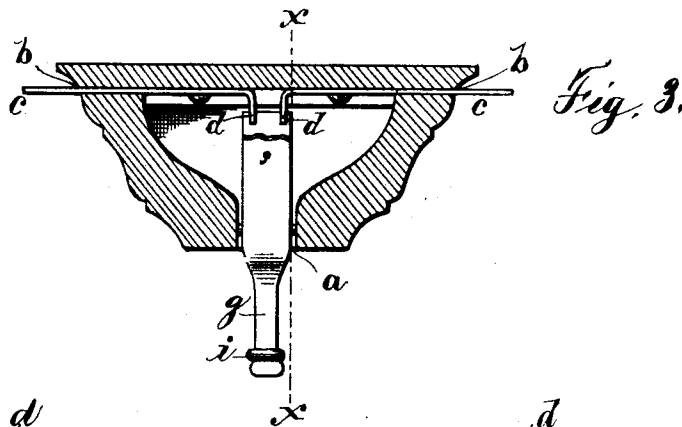


Fig. 3.

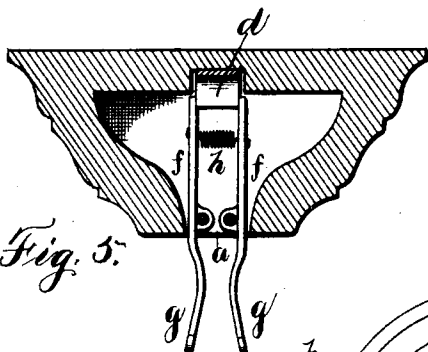


Fig. 5.

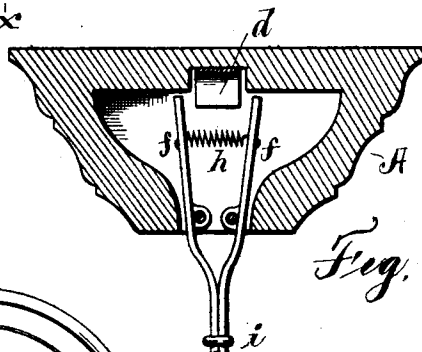


Fig. 4.

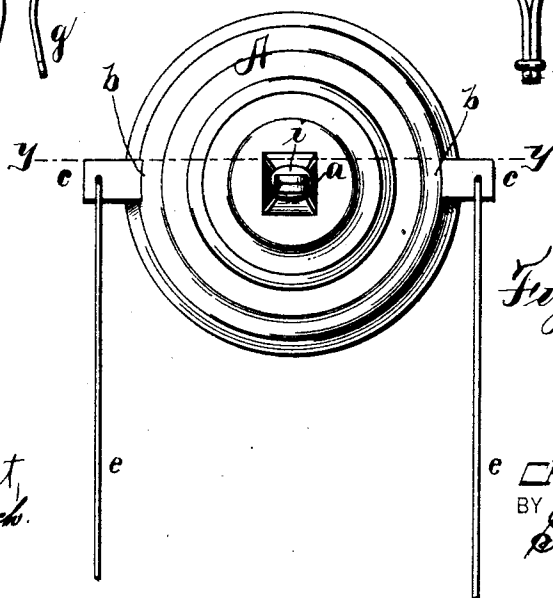


Fig. 2.

WITNESSES:

H. A. Carhart,
S. May Goodrich.

INVENTOR

Charles A. McCordy

BY

Smith & Benson
ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES A. McCORDY, OF FULTON, NEW YORK.

ANNUNCIATOR.

SPECIFICATION forming part of Letters Patent No. 516,708, dated March 20, 1894.

Application filed June 28, 1893. Serial No. 479,057. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. McCORDY, of Fulton, in the county of Oswego, in the State of New York, have invented new and useful Improvements in Annunciators, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to annunciators and more particularly to the means for forming the circuit by which the annunciators are actuated.

My object is to produce means for forming an electric circuit for fire annunciators to be placed in compartments to give an alarm when the temperature in the compartment is raised to a dangerous point; cheap and durable in its construction, positive in its operation and of great utility. And to that end my invention consists in the several new and novel combination of parts hereinafter described and which are specifically set forth in the claims hereunto annexed.

It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1, is a side or edge view of the circuit making device in use. Fig. 2, is a view thereof, looking at it from beneath. Fig. 3, is a cross section on line *y y*, in Fig. 2, one of the fingers being broken away. Fig. 4, is a cross section on line *x x*, in Fig. 3. Fig. 5, is a view similar to Fig. 4 but showing the spring fingers in the position they assume after the fusible solder has been melted away and forming the electric circuit.

A, is the non-conducting bracket of any shape desired and partially hollow, having an opening *a* upon its smaller end and lateral openings *b*, and provided with suitable means for securing it to the wall.

c, are pieces of brass or other conducting material secured within the bracket and having their adjacent ends *d* upturned, as shown, and out of circuit, the opposite ends extending through the opening *b* to which ends are connected the electrical wires *e* forming a circuit with the battery and alarm.

Mounted within the bracket *A* are the fingers *f* having their outer ends *g* adapted to be secured together by fusible solder and their inner ends provided with means

for producing a tension to draw them toward each other or toward the upturned ends *d* of the pieces *c*. This tension may be produced, and preferably is produced, by a spring *h*, although I do not limit myself to this precise construction.

The outer ends *g* of the fingers may be held together as stated by fusible solder or by a ring *i* made in two parts which are first placed around the ends and then held together by fusible solder so that when the temperature in the compartment rises to a dangerous degree the ends *g* will become separated, by the fusible solder being melted away, and the opposite ends will strike against the edges of the upturned ends *d* thereby forming an electrical circuit with the alarm which may be located in any convenient place desired.

While this invention is described as relating to alarms it may also be used for turning on water in the compartments.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The herein described circuit maker comprising a bracket provided with pieces *c*, spring fingers *f*, substantially centrally, pivoted in said bracket, having their outer ends held together by fusible solder or cement, and their inner ends provided with means for drawing them into contact with the ends of the pieces *c* for the purpose of completing the circuit when the solder is melted away.

2. The herein described circuit maker comprising a bracket provided with pieces *c*, having upturned ends *d*, secured therein, wires *e* connected with said pieces *c*, spring fingers *f* substantially centrally pivoted in said bracket, having their outer ends held together by fusible solder and their inner ends provided with means for drawing them into contact with the upturned ends *d* for the purpose of completing the circuit when the solder is melted away.

In witness whereof I have hereunto set my hand this 21st day of June, 1893.

CHARLES A. McCORDY.

In presence of—

C. B. KINNE,

HOWARD P. DENISON.