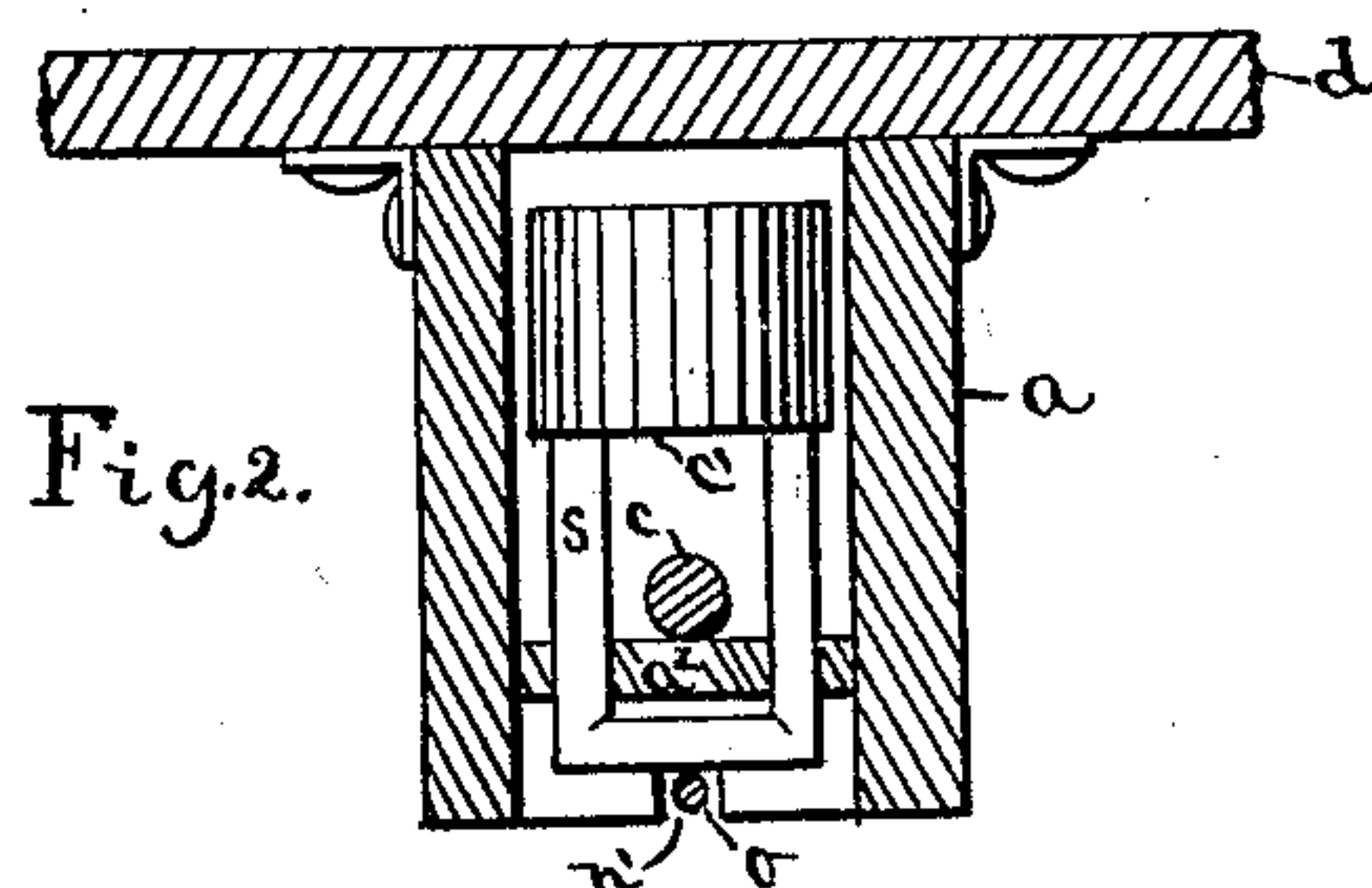
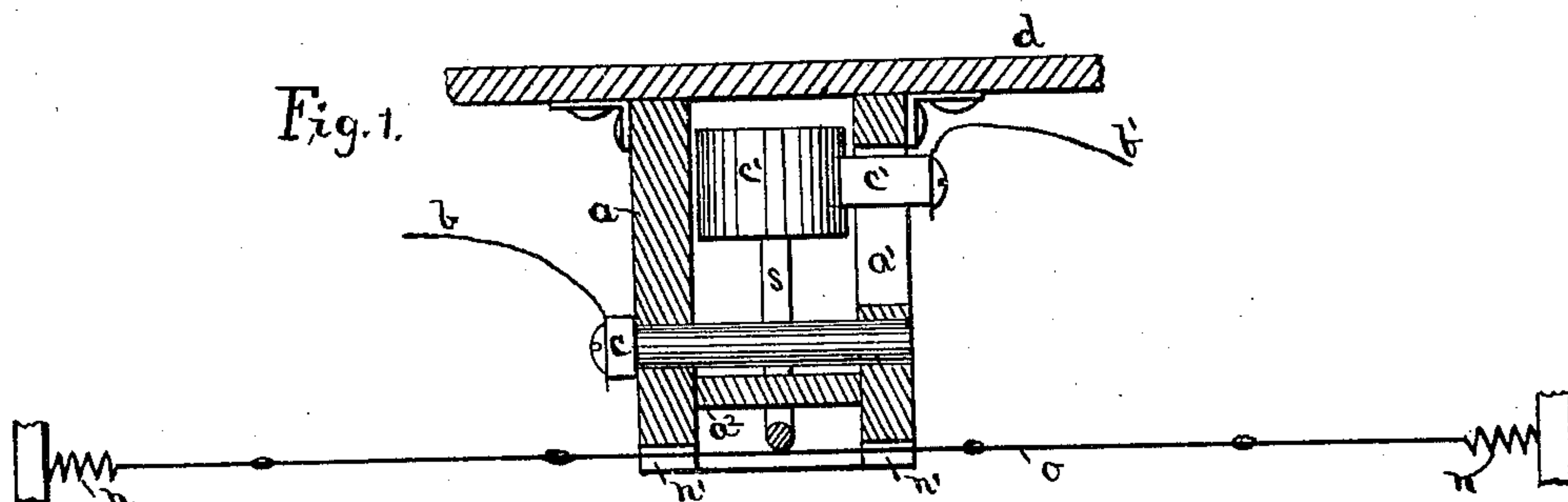


(No Model.)

A. DUNISH.
ELECTRIC FIRE ALARM TRANSMITTER.

No. 519,497.

Patented May 8, 1894.



Witnesses.
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UNITED STATES PATENT OFFICE.

ADOLF DUNISH, OF RAVENNA, OHIO.

ELECTRIC FIRE-ALARM TRANSMITTER.

SPECIFICATION forming part of Letters Patent No. 519,497, dated May 8, 1894.

Application filed January 16, 1894. Serial No. 497,106. (No model.)

To all whom it may concern:

Be it known that I, ADOLF DUNISH, a subject of the Emperor of Germany, residing at Ravenna, Portage county, Ohio, have invented a new and useful Improvement in Electric Fire-Alarm Transmitters, of which the following is a specification, reference being had to the drawings hereto annexed and forming a part hereof.

Figure 1 represents a longitudinal section of the transmitter embodying my invention. Fig. 2 is a like section at right angles to Fig. 1.

The base a , supporting the terminals $b b'$ of the electric current wires, is a non-conductor and adapted to be attached to the wall or ceiling d of a room. It is tubular and formed with slot a' through which extends an arm of binding post c' for wire b' . Binding post c for wire b is attached to, and extends through base a which is closed by plug a^2 . Rod s , attached to binding post c' , is formed with two parallel parts extending downward at each side of, but out of contact with binding post c , and through plug a^2 , below which the transverse part of the rod rests on the combustible cord o . This cord is constructed of several pieces attached together at their ends by an easily fusible material. Tension springs n connect the ends of the cord with suitable supports for the same. The cord may be of any desired length with supports at intervals to prevent it from sagging at the lower end of base a which is formed with grooves $n' n'$ to receive the cord and retain it laterally under rod s .

When cord o is burned by a flame or when the fusible material connecting parts of the cord is melted by heat it will no longer support binding post c' which will then fall on binding post c , thus closing the circuit and operating the alarm apparatus that is to be connected with the current wires. The weight of binding post c' and rod s , and their distance from any support for wire b' should be such that when cord o is separated and no longer sustains binding post c' the latter will fall on binding post c and close the circuit.

Plug a^2 is not essential but it serves as a convenient form of guide for rod s and it may be integral with base a .

I claim as my invention—

1. The combination of electric circuit terminals; a tubular insulating base formed with a slot; a movable binding post in said base and projecting through said slot; a stationary binding post extending into said base; a cord easily separable by heat; a rod connecting the cord with said movable binding post and retaining the latter from contact with the other binding post.

2. The combination of electric circuit terminals; a tubular insulating base formed with a slot and a grooved end; a movable binding post in said base and projecting through said slot; a stationary binding post extending into said base; a cord easily separable by heat; a rod connecting the cord with said movable binding post and retaining the latter from contact with the other binding post.

3. The combination of electric circuit terminals; a tubular insulating base formed with a slot; a movable binding post in said base and projecting through said slot; a stationary binding post extending into said base; a cord easily separable by heat and provided with a tension device; a rod connecting the cord with said movable binding post and retaining the latter from contact with the other binding post.

4. The combination of electric circuit terminals; a tubular insulating base formed with a slot and plug; a movable binding post in said base and projecting through said slot; a stationary binding post extending into said base; a cord easily separable by heat; a rod extending through said plug and connecting the cord with said movable binding post and retaining the latter from contact with the other binding post.

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Witnesses:

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