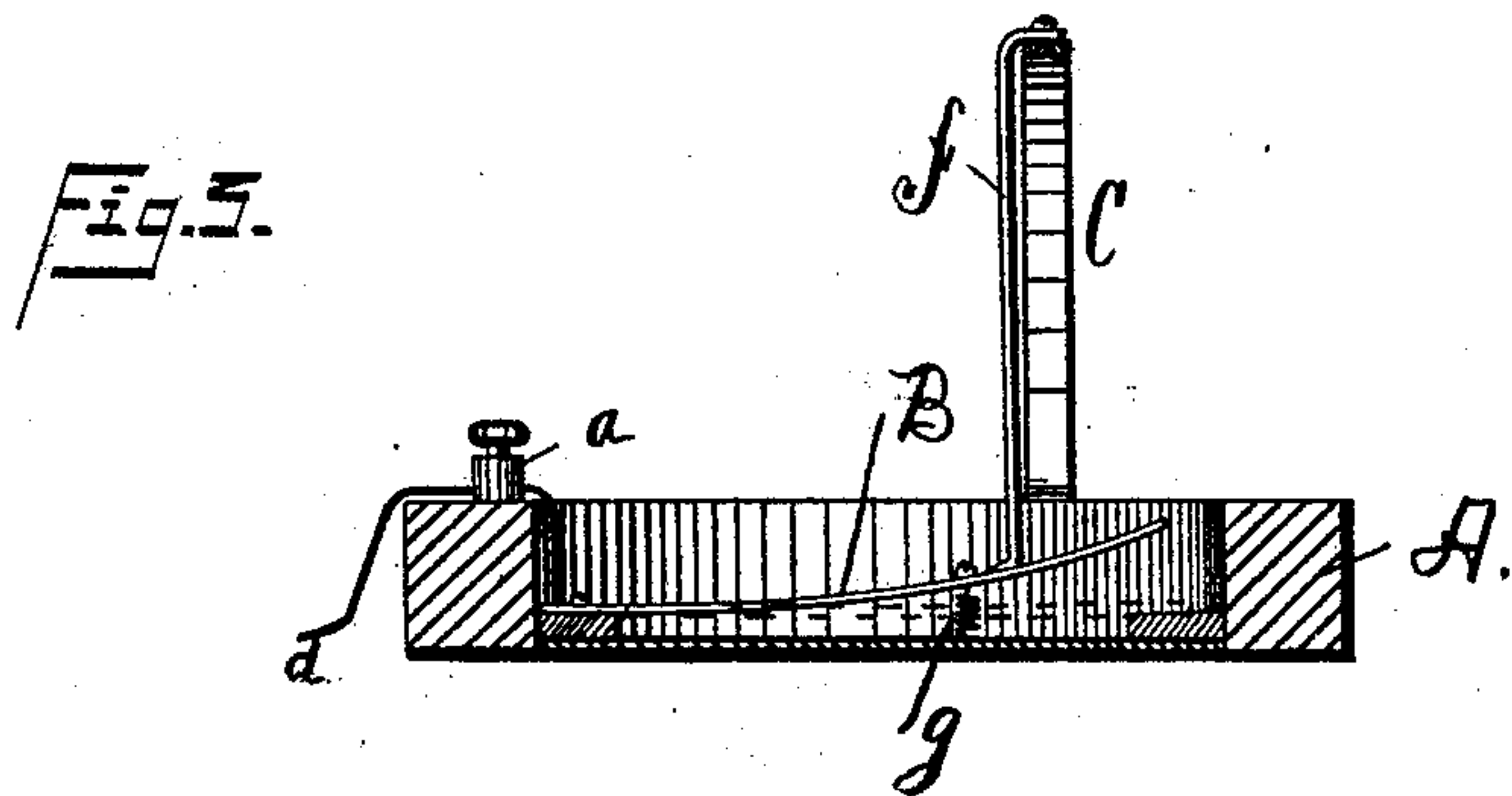
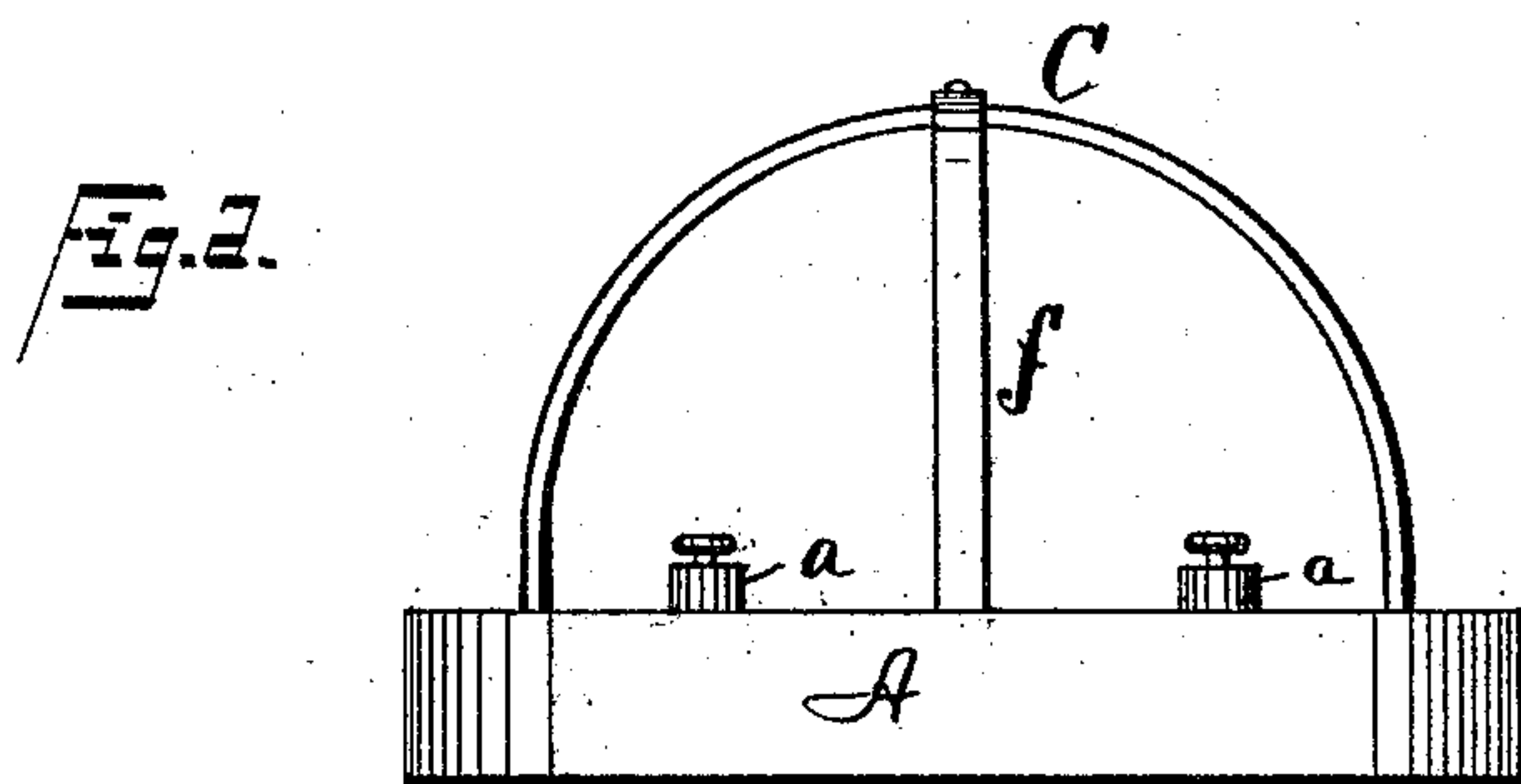
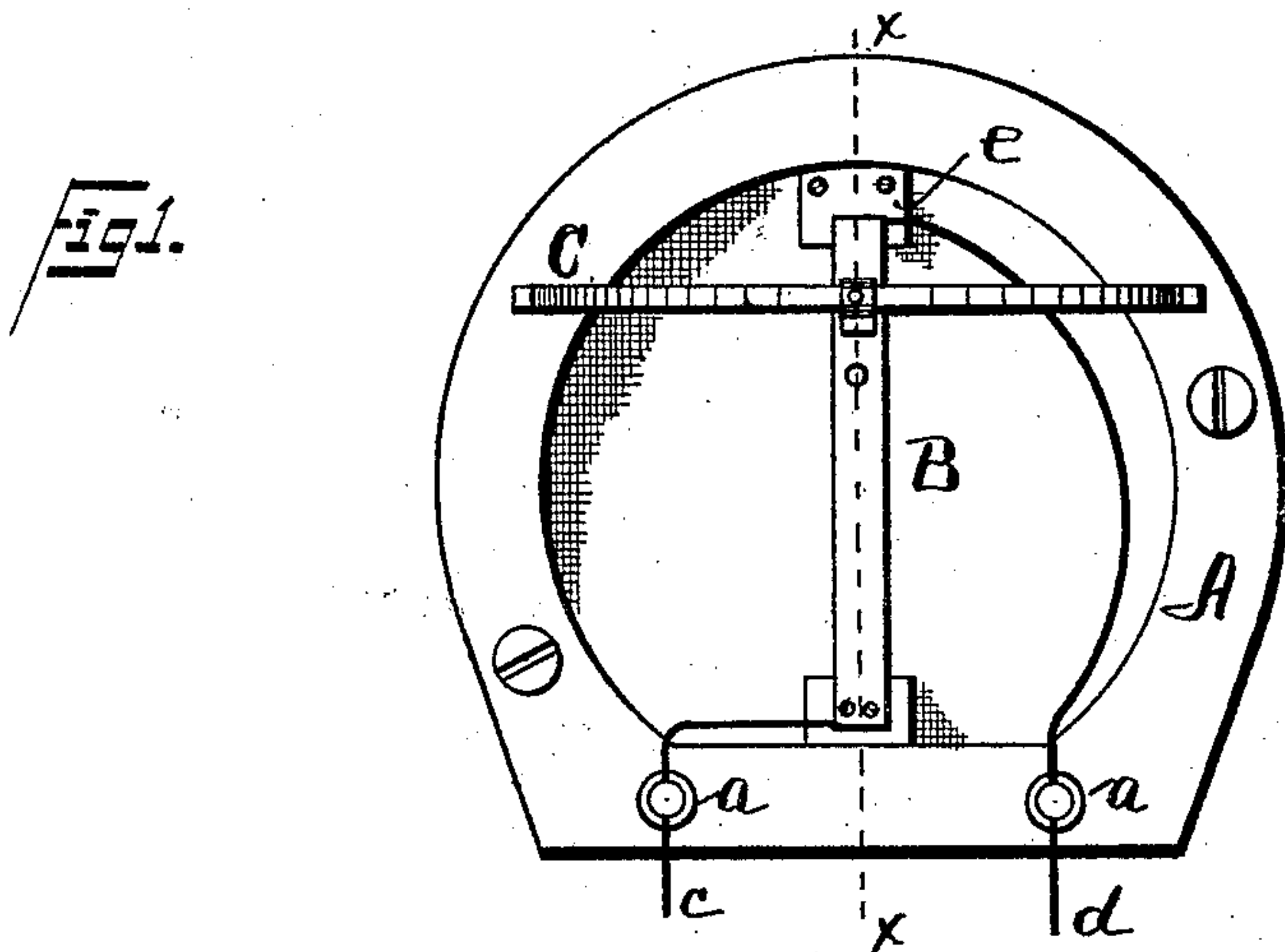


(No Model.)

J. WEAVER.
CIRCUIT MAKER.

No. 517,502.

Patented Apr. 3, 1894.



WITNESSES:

Chas. W. Marvin.
M. M. Borel

INVENTOR

Joseph Weaver.

BY

Smith & Dennis
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOSEPH WEAVER, OF CANANDAIGUA, NEW YORK.

CIRCUIT-MAKER.

SPECIFICATION forming part of Letters Patent No. 517,502, dated April 3, 1894.

Application filed September 30, 1893. Serial No. 486,868. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH WEAVER, of Canandaigua, in the county of Ontario, in the State of New York, have invented new and useful Improvements in Circuit-Makers, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to annunciators, and more particularly to the means and devices by which an electric circuit is made to set the annunciator in operation.

My object is to produce a circuit maker when the temperature in the compartment in which it is placed rises to a dangerous degree, cheap and durable in its construction, of great utility, and to that end my invention consists in the several new and novel features and combination of parts hereinafter described, and which are specifically set forth in the claim hereunto annexed. It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1, is a top plan view of the device complete. Fig. 2, is a rear edge view thereof. Fig. 3, is a cross section on line $x-x$, Fig. 1.

Similar letters of reference indicate corresponding parts.

A— is a bracket, preferably in the form of a horse-shoe, and may be constructed of porcelain, or any other non-conducting material, and provided with means for securing it to the ceiling, side of the wall, or any other place desired. The base of the bracket is provided with binding posts — a —, through which the two wires — c —, — d — are secured.

B— is a thin strap of brass, or other conducting material, having one end secured to the base of the bracket and in contact with the circuit wire — c —. The wire — d — passes around and is secured to a lug or bracket — e — at the opposite end of the bracket —A—.

C— is an arch, hoop, or may be any ordinary standard secured to the upper side of the bracket —A— having an arm extending

inwardly and toward the center of the bracket, to which is secured and extends downwardly the fusible, or combustible, strip or fuse — f —.

— g — is a spring or other elastic connection between the back of the bracket —A— and the conducting strip —B— for the purpose of producing a tension to draw it downward or rearwardly, as shown in dotted lines in Fig. 3.

My invention is operated as follows: The fusible or combustible fuse — f — is first secured to the top of the arch —C—. It is then drawn taut and has its lower end secured to the conductor —B— near its free end, first drawing the conductor —B— out of contact with the end of the circuit wire — d —, as shown in Fig. 3. The bracket is then placed in any convenient part of the apartment, the wires — c — — d — being connected with the annunciator which it is desired to actuate. When the temperature of the room rises to a dangerous or combustible degree, the fuse — f — becomes melted, or is burned away, and the spring — g — draws the conductor —B— down into contact with the wire — d —, thus forming a circuit to actuate the indicator. It will also be observed that, while I have described my invention as relating to a circuit maker for annunciators, it may, with equal facility, be used to set automatic sprinklers in operation, or for any other means desired.

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

A circuit maker comprising a horseshoe-shaped bracket, circuit wires secured thereto, a contact piece, a horseshoe-shaped arch and a fusible strip secured to said arch at one end, its opposite end adapted to hold the contact strip normally out of contact.

In witness whereof I have hereunto set my hand this 23d day of September, 1893.

JOSEPH WEAVER.

In presence of—

H. SEYMOUR COOLEY,
EDWARD O. THOMPSON.