

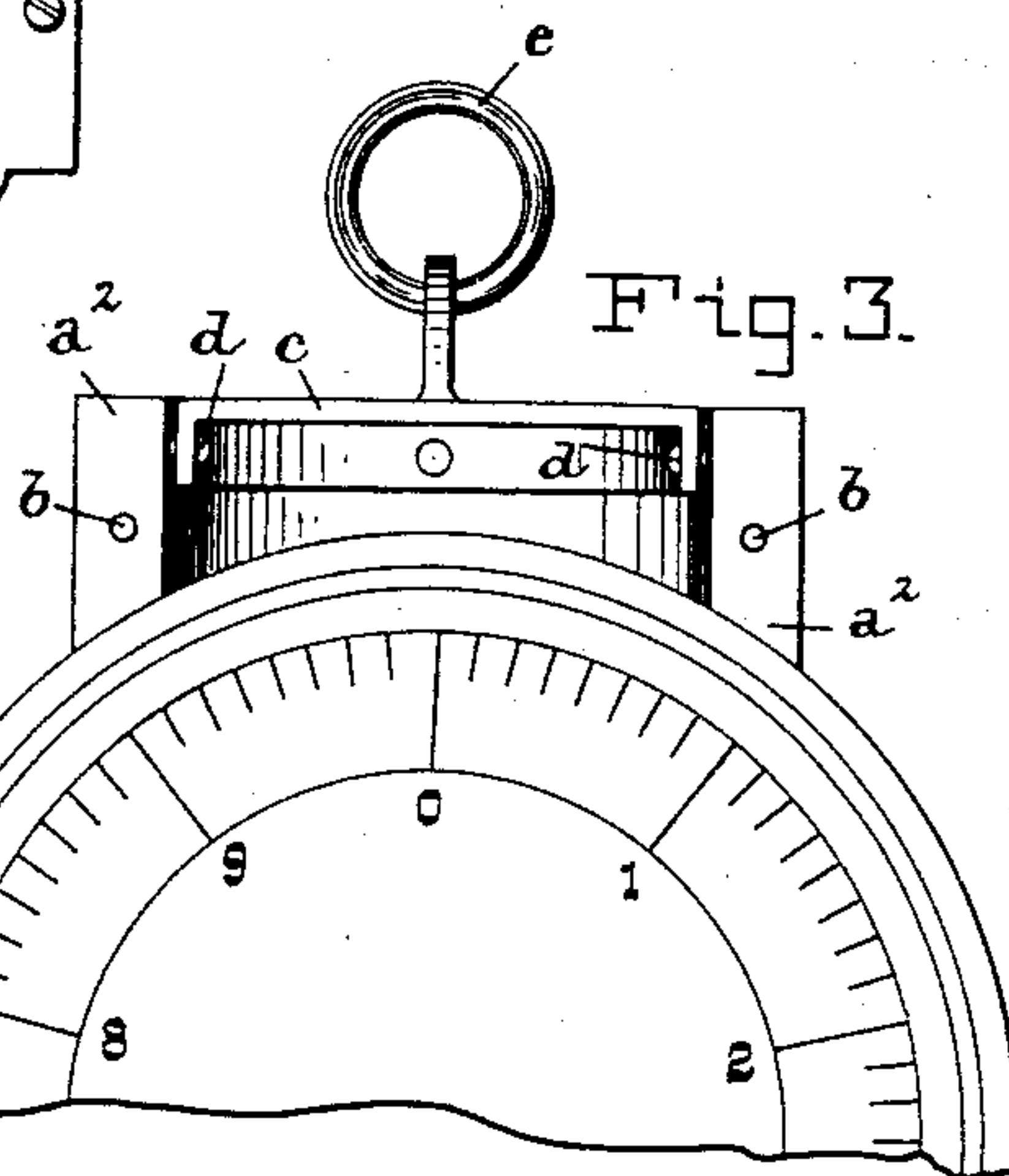
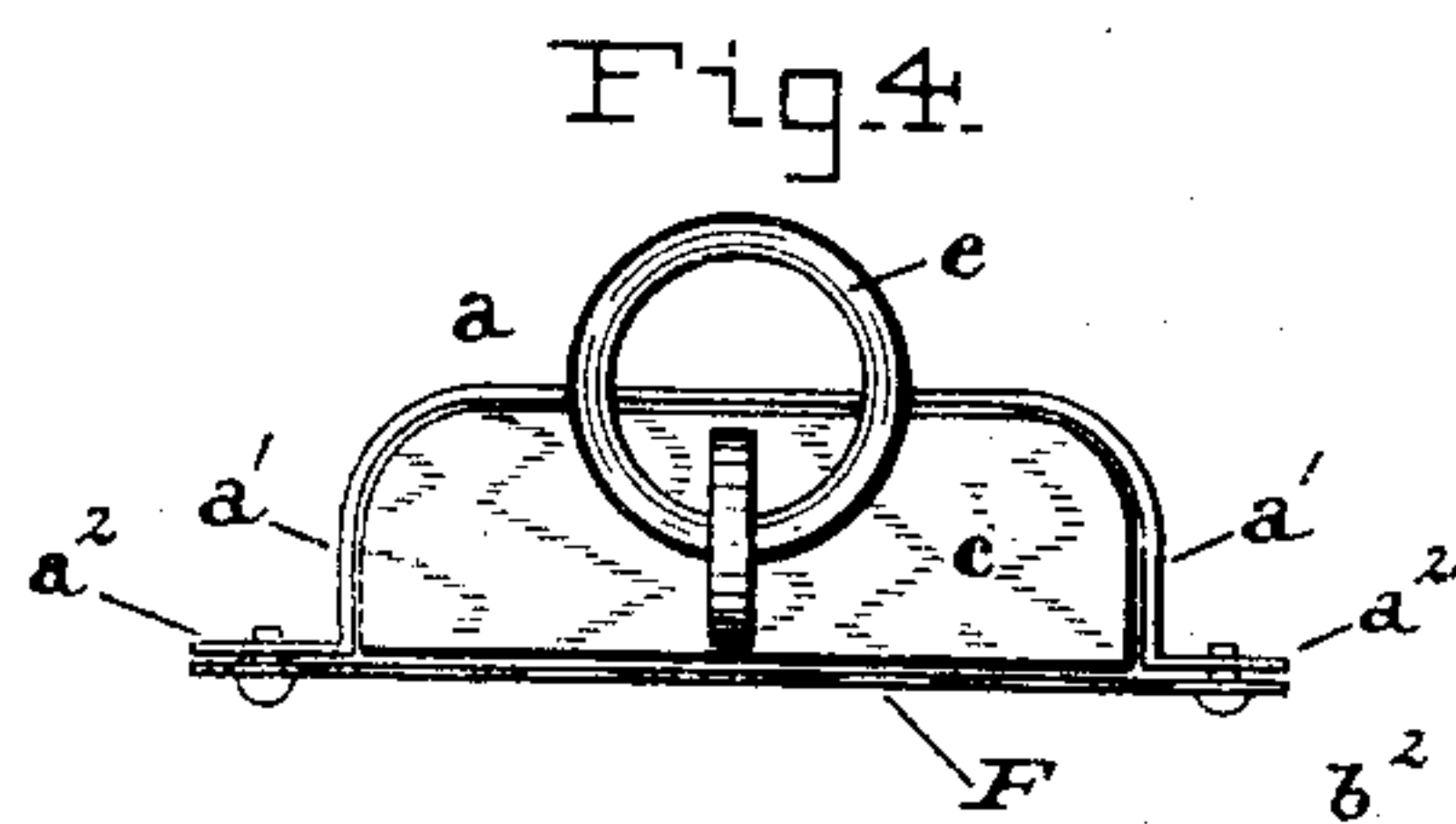
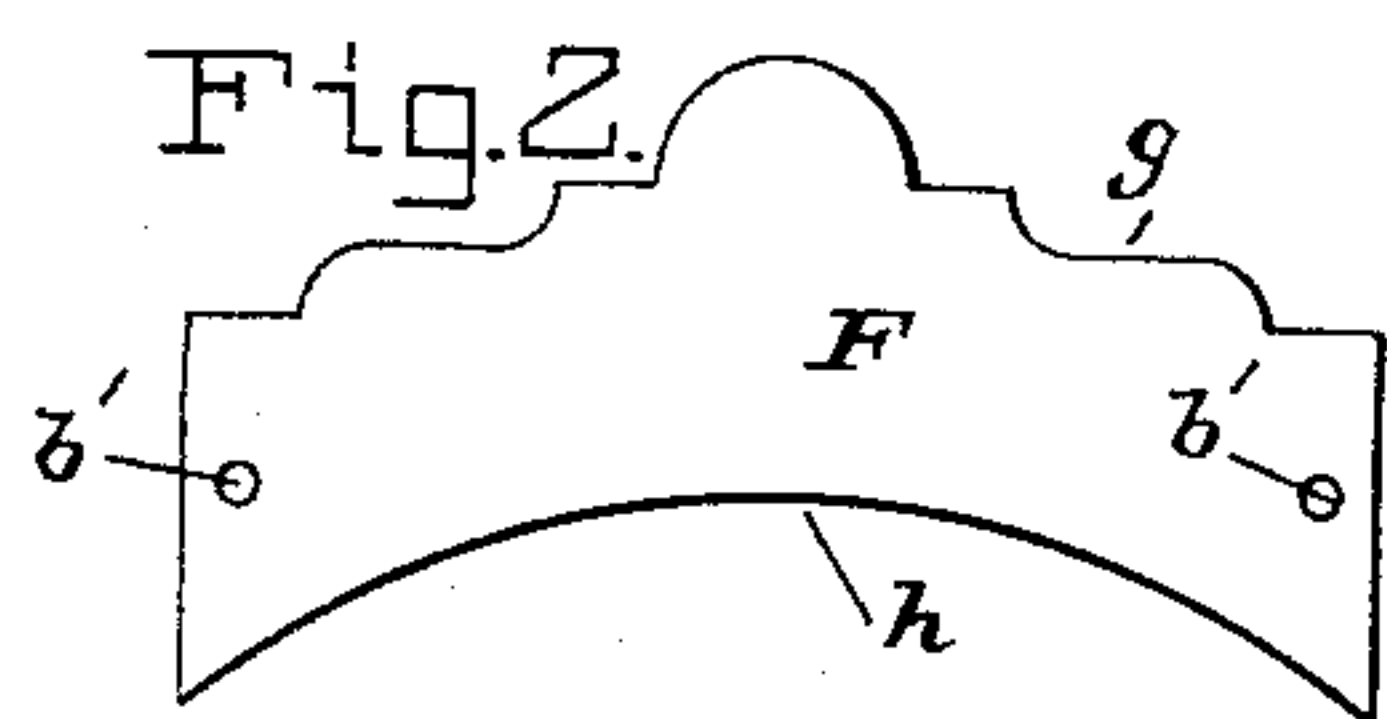
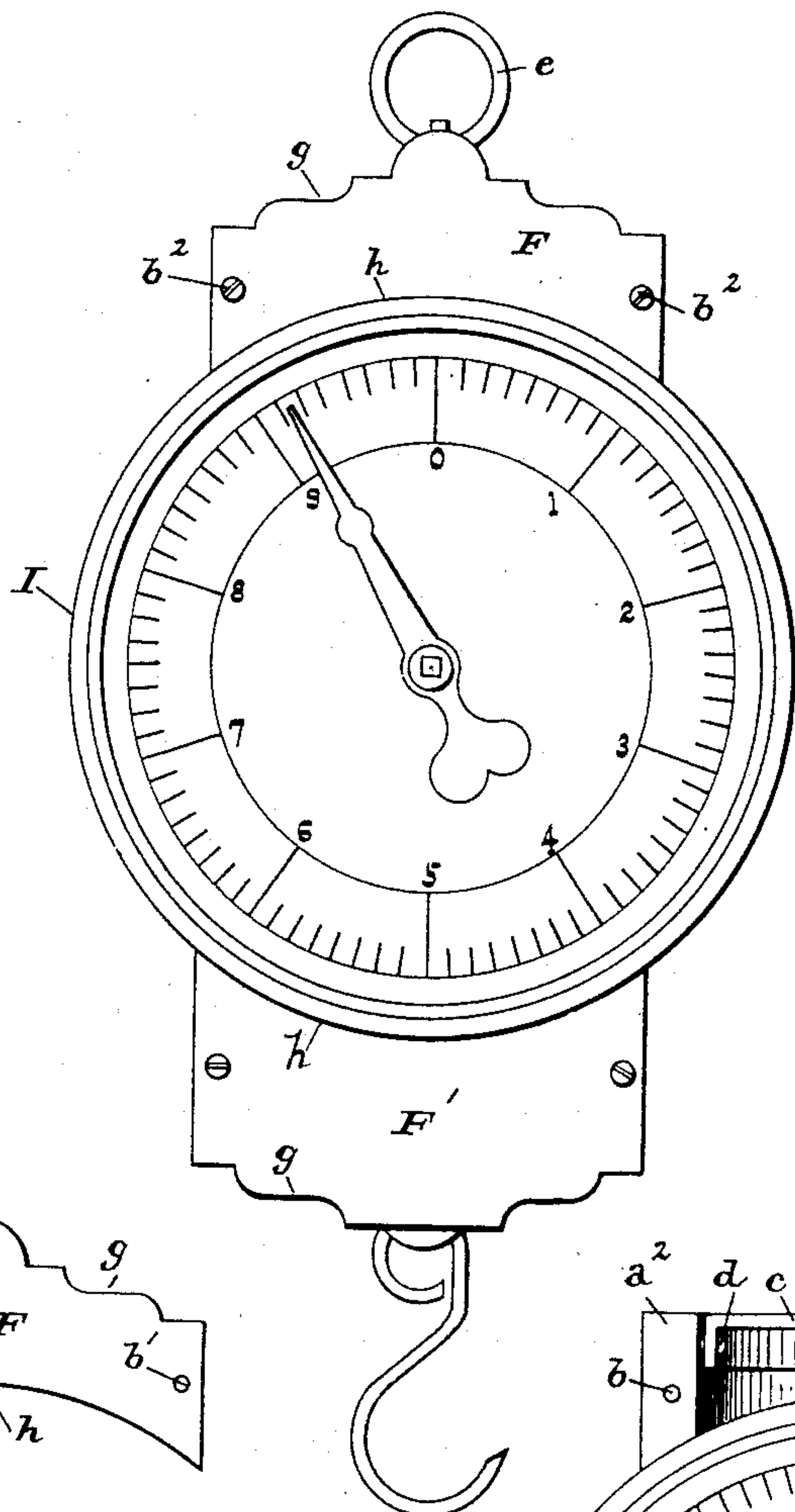
(No Model.)

C. R. MAGUIRE.  
SPRING BALANCE SCALE.

No. 338,535.

Patented Mar. 23, 1886.

Fig. 1.



Witnesses:

*Wm. H. Conden.*  
*John E. Morris*

Inventor:

*C. R. Maguire*  
By *Chas B Mann*  
*Attorney*

# UNITED STATES PATENT OFFICE.

CHARLES R. MAGUIRE, OF BALTIMORE, MARYLAND.

## SPRING-BALANCE SCALE.

SPECIFICATION forming part of Letters Patent No. 338,535, dated March 23, 1886.

Application filed December 2, 1885. Serial No. 184,391. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES R. MAGUIRE, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Spring-Balance Scales, of which the following is a specification.

My invention relates to an improvement in the case-fronts of spring-balances; and it consists in providing the front of the scale-case with plates of certain construction, as hereinafter described and claimed.

In the drawings herewith, Figure 1 is a front view of a spring-scale. Fig. 2 is a view of the detachable front plate. Fig. 3 is a front view of part of a scale, showing the top front plate detached. Fig. 4 is a top or upper end view of the scale.

The mechanism or operating parts of the spring-balance may be of any well-known construction. The back  $a$  and sides  $a'$  of the spring-case are formed of one piece of sheet metal, (see Fig. 4,) and each side  $a'$  has a flange,  $a^2$ , the one at one side projecting in a direction opposite the one at the other side. Each flange has one or more holes,  $b$ . The head-plate  $c$  is secured by rivets  $d$  to the case, and the suspension-ring  $e$  is attached to this plate. The improved front plates,  $F F'$ , are nickel or silver plated and have rivet or screw holes  $b'$ . Each of these plates has one

edge,  $g$ , shaped to form an ornamental contour, and another edge,  $h$ , curved to coincide with the circle of the dial-case  $I$ , which latter is secured in any suitable manner to the spring-case  $a a'$ . One of the plated front plates takes position above the dial-case and one below it, and said front plates rest against the two flanges  $a^2$  of the spring-case and are secured thereto by rivets or screws  $b^2$ , which are entered in the holes. In some instances the scale may have but one plated front plate, and it may have position either above or below the dial-case. By this construction and arrangement the conspicuous front plates may be silver or nickel plated, and may be removed to be replated, thus providing means for having an attractive front as long as the scale lasts.

Having described my invention, I claim and desire to secure by Letters Patent of the United States—

A spring-scale having a dial-case and a plated detachable front plate curved at one edge to coincide with the said dial-case and secured to the spring-case, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES R. MAGUIRE.

Witnesses:

JOHN E. MORRIS,

JNO. T. MADDOX.