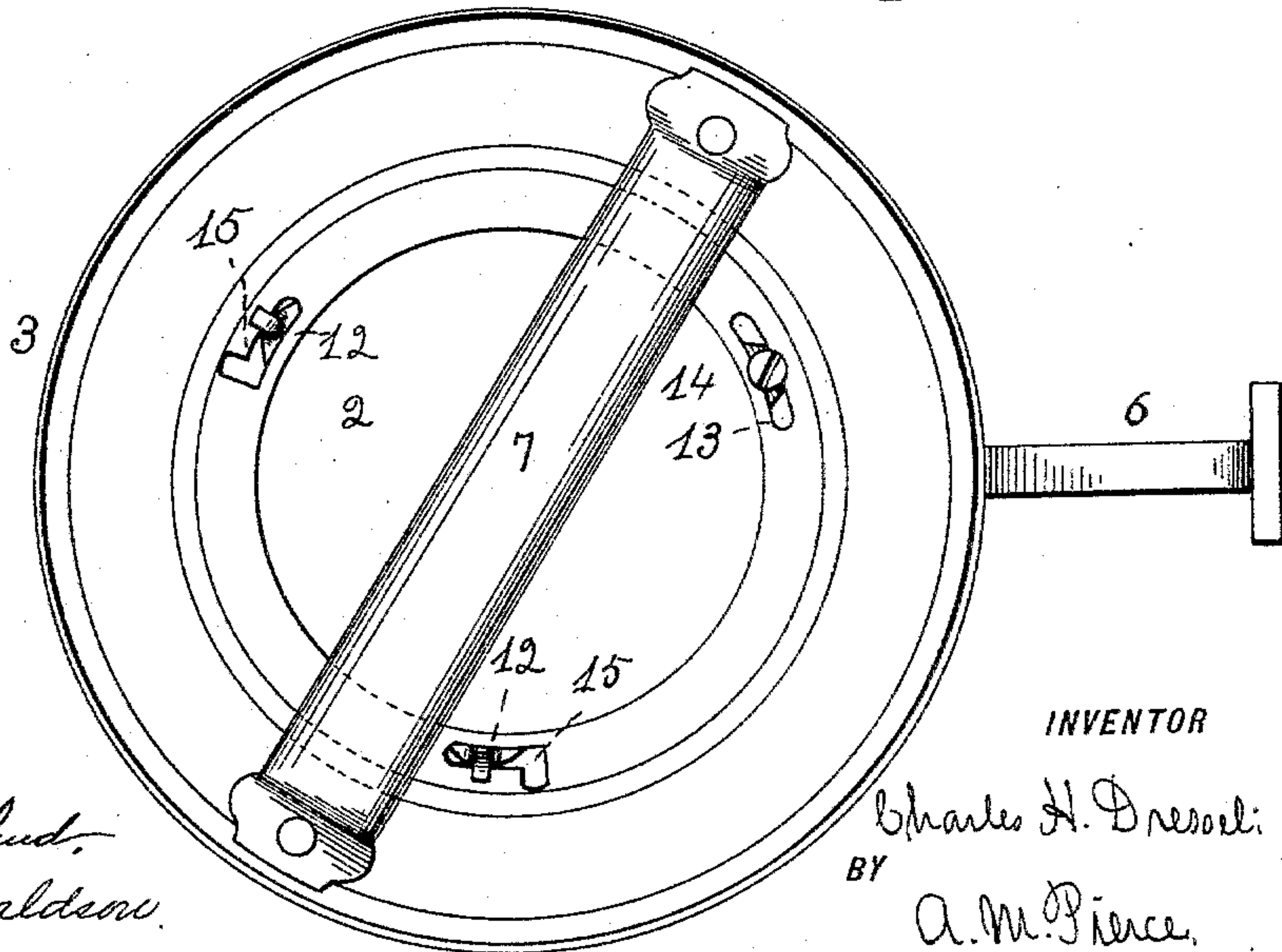
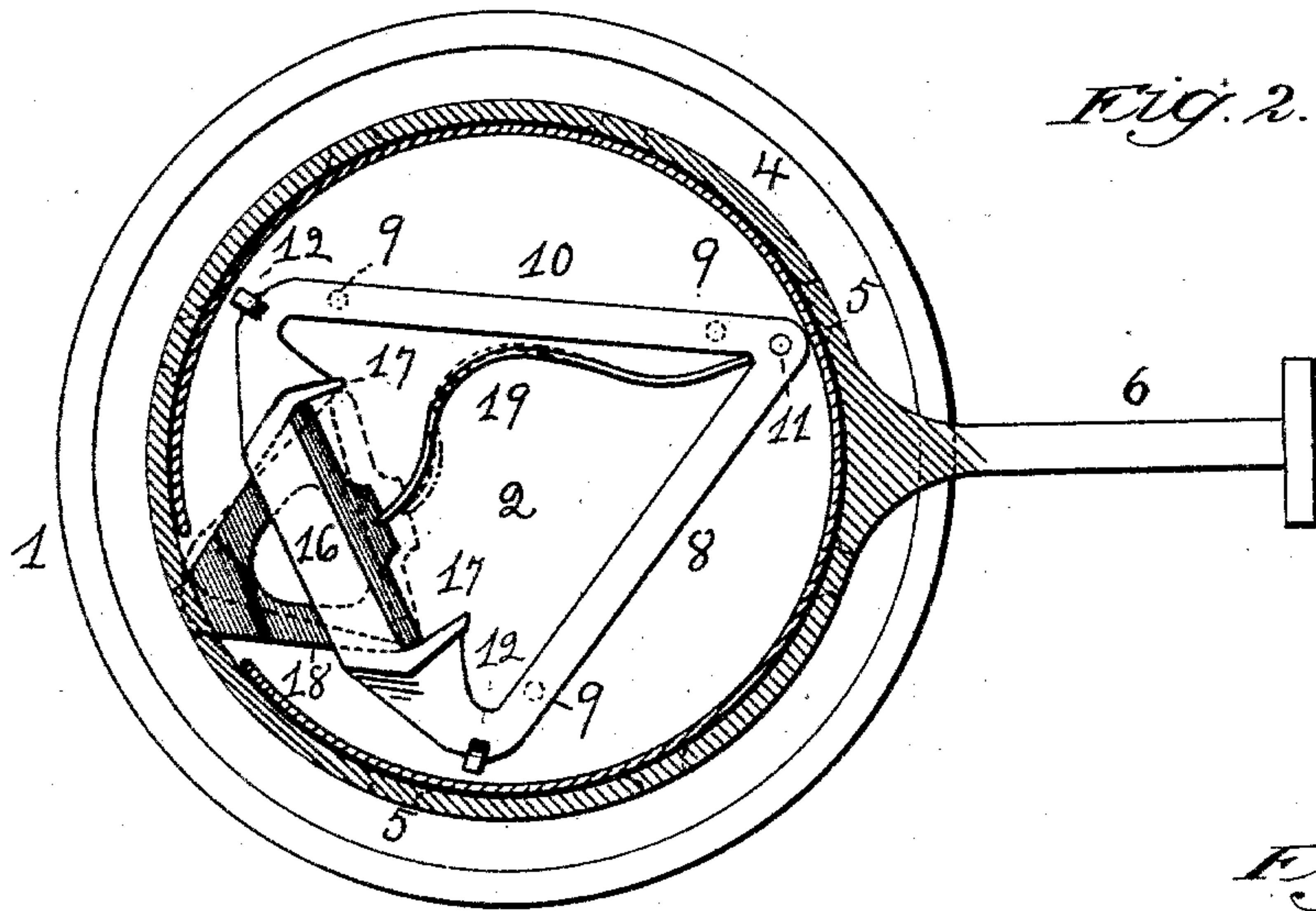
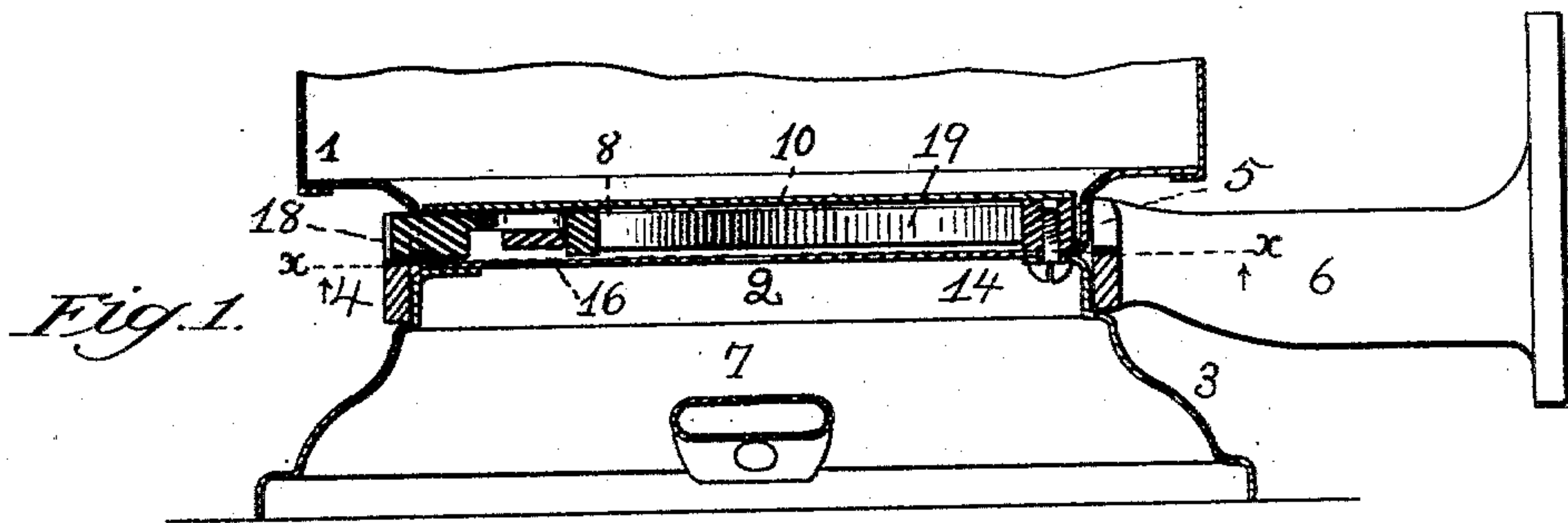


(No Model.)

C. H. DRESSEL.  
RAILWAY SIGNAL LAMP.

No. 584,110.

Patented June 8, 1897.



WITNESSES:

*Edward L. Robb,*  
*B. M. Donaldson.*

INVENTOR

*Charles H. Dressel,*  
BY *A. M. Pierce,*

ATTORNEY.



# UNITED STATES PATENT OFFICE.

CHARLES H. DRESSEL, OF NEW YORK, N. Y.

## RAILWAY SIGNAL-LAMP.

SPECIFICATION forming part of Letters Patent No. 584,110, dated June 8, 1897.

Application filed December 3, 1895. Serial No. 570,904. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES H. DRESSEL, a citizen of the United States, residing in the city, county, and State of New York, have  
5 invented a new and useful Improvement in Railway Signal-Lamps, of which the following is a specification.

My invention relates especially to railway signal-lamps, and has for its object the provision of a rotatable lamp-body mounted in a supporting-arm and arranged to be turned or rotated horizontally to the right or left and held in a fixed position so as to present either side of the lamp.

15 To attain the desired end, my invention consists, essentially, in a lamp-body inclosed by a ring provided with notches or slots therein and with a supporting-arm arranged to engage with a suitable bracket. Secured  
20 in or beneath the lamp-body is a rocking spring-catch adapted and arranged to engage with the notches in the above-mentioned ring, normally holding the lamp-body against rotation, while permitting rotation when pressure is brought upon the catch by means of  
25 a handle beneath the lamp-body; and my invention also involves certain other novel and useful combinations or arrangements of parts and peculiarities of construction and operation, all of which will be hereinafter first  
30 fully described, and then pointed out in the claims.

In the accompanying drawings, forming a part hereof, Figure 1 is a vertical axial sectional view of the base of a signal-lamp where-  
35 with my invention is employed. Fig. 2 is a horizontal sectional view at line  $x x$  of Fig. 1, looking from below. Fig. 3 is a bottom plan view of the lamp reversed.

40 Like numerals of reference wherever they occur indicate corresponding parts in all the figures.

1 is the lamp-body, provided with a bottom 2 and a base or skirt 3.

45 4 is a ring encircling the lamp-body, provided with notches or slots 5, beveled at each side.

6 is an arm formed with or secured to the ring 4 and arranged to engage with a supporting socket or bracket.  
50

7 is a handle extending across the skirt 3.

8 is a metal frame, preferably triangular in shape. This plate is provided with lugs 9, (shown by the dotted circles in Fig. 2,) said lugs being arranged for riveting to a plate 10.  
55

11 is a screw-threaded perforation in the frame 8, and 12 are lug-hooks formed thereon.

13 is an oblong slot in the skirt, through which a holding-screw 14 is arranged to pass, and 15 are slots for the reception of the lug-hooks 12. The frame 8 is formed with a staple or keeper 16 at one side, having inwardly-projecting lips 17.  
60

18 is a catch-plate fitting with the staple 16 and normally thrown outward in engagement with one of the notches in the ring 4 by a spring 19.  
65

In assembling the parts for use the ring 4 is passed over the lower part of the body 1 and the skirt 3 placed in position. The plate 70 2, bearing the frame 8, is passed into the interior of the body, the lugs 12 hooked through the slots 15, and then, by giving a slight turn, the parts are locked together and firmly secured by the screw 14. Screws might be substituted for the lugs 15, but by the arrangement shown they are dispensed with.  
75

The parts being assembled and arranged for use as above set forth, when it is desired to turn the lamp a portion of a revolution in order to present a different-colored lens or side of the lamp-body, by grasping the handle 7 and twisting the entire lamp the beveled edge of the slot in the ring 4 will rock the catch 18 upon one of the lips 17, as indicated  
80 in Fig. 2, forcing the catch out of engagement with the ring and permitting the lamp-body to revolve to the desired position, when the catch will again engage with a notch in the ring, and this rotation may be obtained in  
85 either direction, as desired.

Having now fully described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. In a signal-lamp the combination with 95 the body thereof, of a notched encircling supporting-ring, and a spring-catch fixed to the lamp-body and adapted and arranged to engage with one of the notches in the ring, or be forced out of engagement therewith by the lamp-body when rotated in either direction, substantially as shown and described.  
100



2. In a rotatable signal-lamp, a supporting notched ring, in combination with a catch-plate supported in a frame fixed to the lamp-body, and arranged to rock in said frame in either direction when forced inward by the rotation of the lamp-body, substantially as shown and described.

3. In a lamp of the character herein specified, the combination with the rotatable body, of an encircling supporting-ring having beveled notches or slots therein, a frame fixed to the bottom of the lamp-body; a catch-plate located in said frame, and a spring normally holding the catch-plate in engagement with a notch in the ring, while permitting the rock-

ing backward of the plate in either direction, substantially as shown and described.

4. In a lamp of the character herein specified, the combination with the body and skirt thereof, of a catch-plate frame, provided with hook-lugs and a holding-screw, locking the parts together, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of two witnesses.

CHARLES H. DRESSEL.

Witnesses:

A. M. PIERCE,

B. M. DONALDSON.