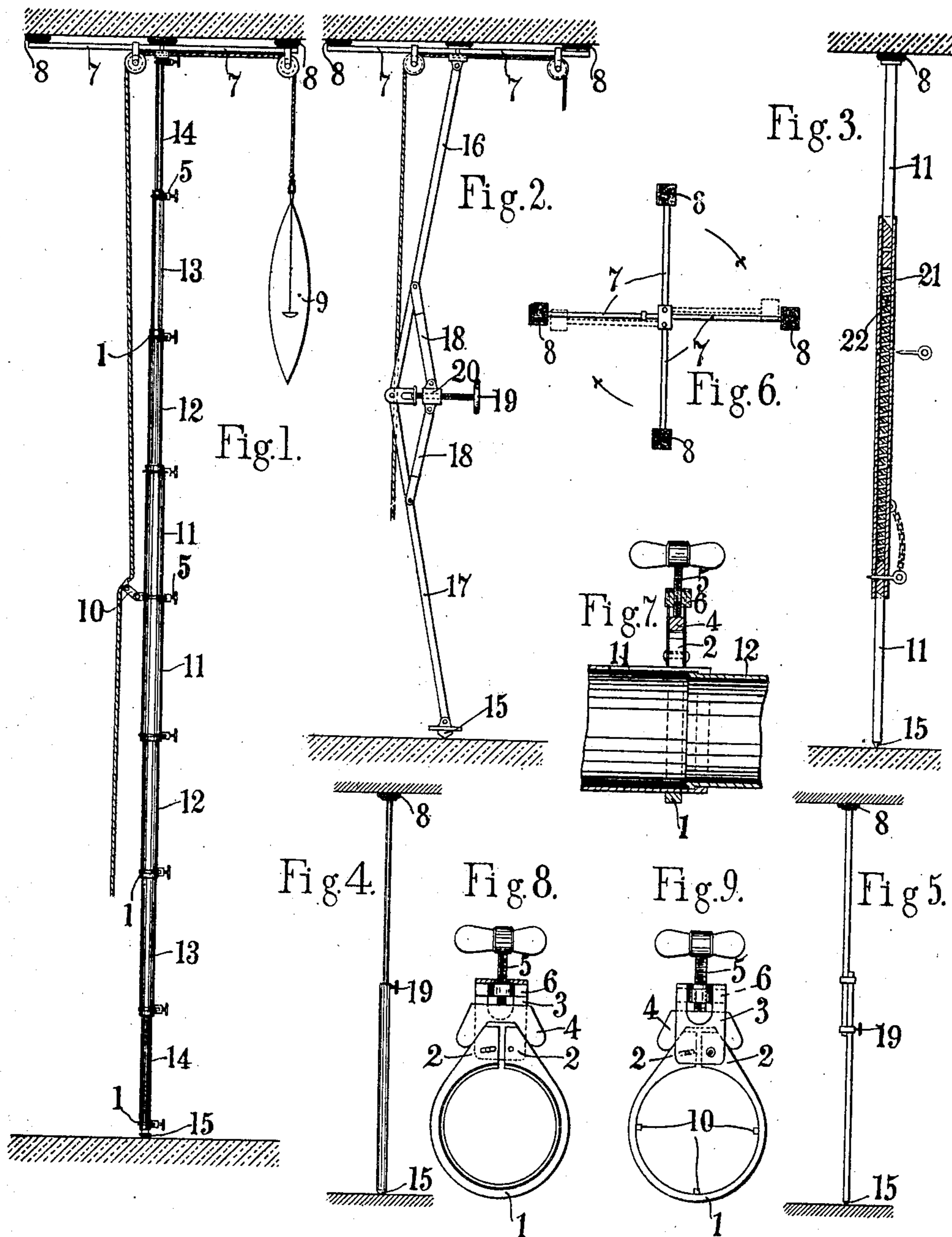


No. 885,251.

PATENTED APR. 21, 1908.

F. HRDLIČKA-CSISZÁR.
SUPPORT FOR FLASH LIGHT LAMPS OR THE LIKE.

APPLICATION FILED JULY 30, 1906.



Witnesses:

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UNITED STATES PATENT OFFICE.

FERDINAND HRDLIČKA-CSISZÁR, OF VIENNA, AUSTRIA-HUNGARY.

SUPPORT FOR FLASH-LIGHT LAMPS OR THE LIKE.

No. 885,251.

Specification of Letters Patent.

Patented April 21, 1908.

Application filed July 30, 1906. Serial No. 328,367.

To all whom it may concern:

Be it known that I, FERDINAND HRDLIČKA-CSISZÁR, manufacturer, a subject of the Emperor of Austria-Hungary, and a resident of Vienna, in the Empire of Austria-Hungary, VII., Zieglergasse 96, have invented new and useful Improvements in Supports for Flash-Light Lamps or the Like; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a support for flash-light lamps or the like which extends between the ceiling and the floor and consists of two or more parts that are joined together telescopically or by sliding in or on one another or by being linked to each other, so that they may be adjusted and fixed relatively to each other in order that the support may be held firmly between the ceiling and floor in rooms of different height.

In the drawing Figure 1 is a side view of a flash-light support composed of a plurality of telescopically arranged tubes. In Fig. 2 the side view of another support is shown, composed of several rods suitably linked together. Fig. 3 is a sectional side elevation of a flash-light support with a central tube and two rods as end parts. The support shown in side view in Fig. 4 comprises but two parts slidably arranged within each other, while in Fig. 5 two rods are adjustably arranged against each other. Fig. 6 is a top view of the foldable cross-arms provided with protecting pads. Figs. 7, 8 and 9 are detail views of the clamp whereby the tubes are secured in their relative position.

In the form shown in Fig. 1 two tubes 11 which I call the central tubes are fixed together, as by fixing one into the other, and into each slide telescopically a number of other tubes 12, 13, 14 which may be fixed in position for use in any suitable manner. The topmost tube 14 carries cross arms 7 (Fig. 6) which may be made to fold together in any suitable manner and are provided with rubber pads or the like 8 to prevent them from damaging the ceiling. Mounted on these arms are pulleys over which passes the cord whereto the lamp container 9 is attached, this cord being held by a clamp 10 of any known kind.

The lowest tube 14 carries a point or a

button with a roughened surface to prevent the support from sliding on the floor.

In the form shown in Fig. 2, the support consists of two parts 16, 17 pivoted together and each connected by a link 18 with a nut 20 in which works a screw 19. The end of this screw is connected with the pivot joining the two parts 16, 17 so that by adjusting the screw these parts may be fixed to make different angles with each other and held firmly between the ceiling and the floor.

In the form shown in Fig. 3 the two parts 11, one terminating in a rubber pad 8 and the other in a point 15, slide in a tube 21 which incloses a spring 22 whereby the adjustment of the support between ceiling and floor is automatically effected. In Figs. 4 and 5 are shown supports consisting of two parts, sliding one in the other and one on the other, respectively, and held in position by a set screw 19. In this case also one part carries a rubber pad 8 and the other a point or a button 15.

The parts that slide in or on each other can be fixed in the required relative position in any suitable manner. For the telescopic modification (Fig. 1) the following fixing device is suitable.

On the slitted end of the tube a ring 1 having wedge-shaped projections 2 is permanently fixed or movably attached (Figs. 7-9). A bow 3 is fixed on the said projections and in this bow a piece 4 is guided which has oblique surfaces bearing on the like surfaces of the projections 2. By means of a screw 5 the piece 4 can be pressed so that its oblique surfaces slide down the like surfaces of the projections, thus diminishing the diameter of the ring 1 and that of the end of the tube, such as 11, to clamp the latter against the tube that slides in it, such as 12. The bow 3 may itself be the nut in which the screw 5 works, or it may carry a separate nut 6 for this purpose.

The ring 1 can either be fixed to the end of the tube or it may be detachable and adapted to be placed on the end as required, being provided for this purpose with pins 10 (Fig. 9) which engage in openings or depressions in the tube to keep the ring in place.

The spring of the ring 1 is sufficient to allow of its being brought on to the tube in spite of the pins 10.

The flash-light carrier may be suspended from the top of the support as shown in Figs.

1 and 2 or connected with the support at any other point thereof.

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

5 1. In an extensible support for flash-light lamps, a floor-part, a ceiling-part, means to keep the outer ends of the said parts at a suitable distance with respect to each other, and foldable cross-arms on the top of the
10 ceiling part, substantially as described.

2. In an extensible support for flash-light lamps, two parts, adjustable the one with respect to the other and bearing respectively against the ceiling and the floor, two central
15 tubes, each part connected with one of the said central tubes by a number of tubes telescopically sliding into each other and into one of the said central tubes, a slitted end to each tube, wedge-shaped projections
20 mounted on the said slitted end, a bow attached to said projections, and a piece mounted to slide within said bow, having inclined surfaces adapted to slide on said wedge-shaped projections and force said
25 piece against said projections, as set forth.

3. In an extensible support for flash-light lamps, a ceiling-part and a floor-part, adjustable the one with respect to the other, two central tubes, each part connected with
30 one of the said central tubes by a number of tubes telescopically sliding into each other and into one of said central tubes, a slitted end to each tube, a ring fixed to said slitted end, wedge-shaped projections on said ring,
35 a bow attached to the said projections, and a piece mounted to slide within the said bow, having inclined surfaces adapted to slide on the said wedge-shaped projections and force the said piece against the said projections, as
40 set forth.

4. In an extensible support for flash-light lamps, a ceiling part and a floor part, adjustable the one with respect to the other, two central tubes, each part connected with

one of the said central tubes by a number 45 of tubes telescopically sliding into each other and into one of said central tubes, a slitted end to each tube, a ring adapted to be placed in position on the said slitted end, wedge-shaped projections on the said ring, a bow 50 attached to the said projections, and a piece mounted to slide within the said bow, having inclined surfaces adapted to slide on the said wedge-shaped projections and force the said piece against the said projections, as set forth. 55

5. In an extensible support for flash-light lamps, a ceiling part and a floor part, adjustable the one with respect to the other, means to keep the said two parts in their relative position, and cross arms, adapted to
60 be folded, mounted on the top of the upper part, as set forth.

6. In an extensible support for flash-light lamps, a ceiling part and a floor part, adjustable the one with respect to the other, 65 means to keep the said two parts in their relative position, cross arms adapted to be folded, mounted on the top of the upper part, protecting and retaining means arranged upon said cross arms, and means to prevent
70 slipping, provided upon the bottom-end of the said lower part, as set forth.

7. In an extensible support for flash-light lamps, a ceiling part and a floor part, adjustable the one with respect to the other, 75 means to keep the said two parts in their relative position, cross arms adapted to be folded, mounted on the top of the upper part, and means for raising the flash-light lamp on the said cross-arms, as set forth. 80

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FERDINAND HRDLIČKA-CSISZÁR.

Witnesses:

FRANZ REITER,
ALVESTO [S. HOGUE.]