M. H. SPIELMAN.

ELECTRICAL SWITCHING DEVICE.

APPLICATION FILED DEC. 11, 1914.

1,208,682.

Patented Dec. 12, 1916.

Fig. 1.

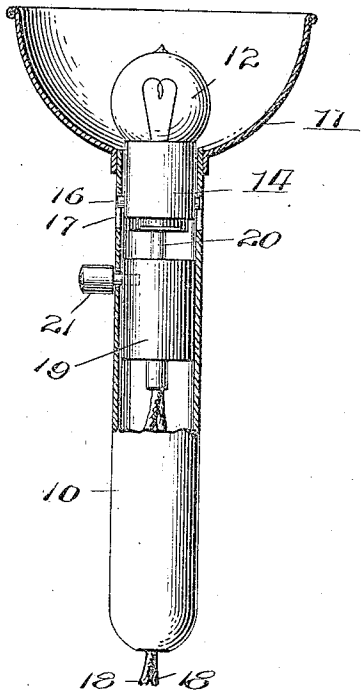



Fig. 2.

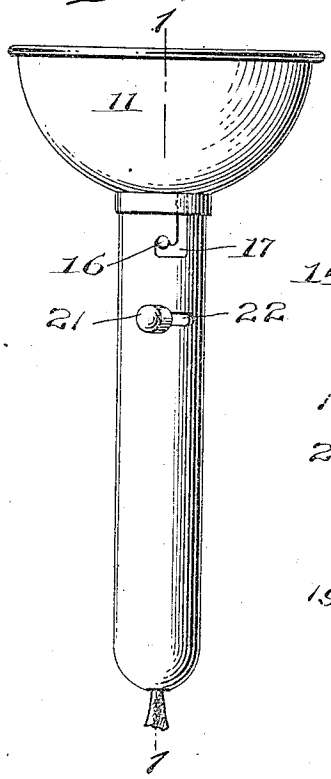



Fig. 3.

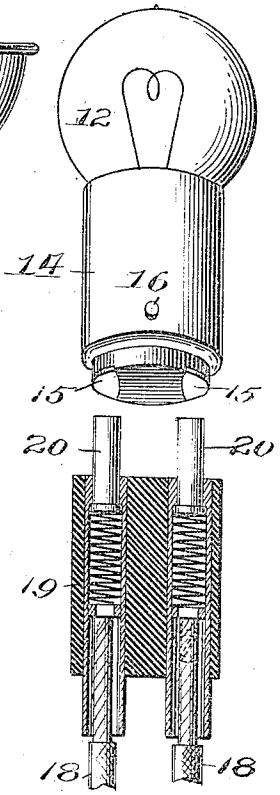



Fig. 4.

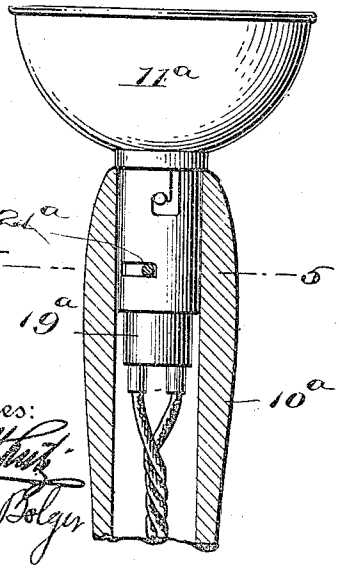



Fig. 5.

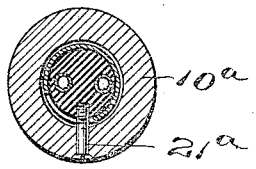
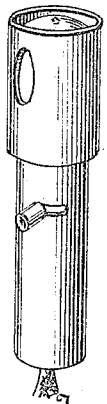



Fig. 6.



Witnesses:

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Inventor

Maximilian H. Spielman

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# UNITED STATES PATENT OFFICE.

MAXIMILLIAN H. SPIELMAN, OF NEW YORK, N. Y.

## ELECTRICAL SWITCHING DEVICE.

1,208,682. Specification of Letters Patent. Patented Dec. 12, 1916.

Application filed December 11, 1914. Serial No. 876,627.

*To all whom it may concern:*

Be it known that I, MAXIMILLIAN H. SPIELMAN, a citizen of the United States, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Electrical Switching Devices, of which the following is a description in such full, clear, and exact terms as will enable any person skilled in the art to which it pertains to make and use the same.

The invention relates to a convenient device for switching an electrical current on and off various devices, such for example as a hand electrical lamp used by machinists and engineers for temporary illumination.

The object is to make the device very convenient to use with one hand only. I attain this result by certain novel features of construction which will be fully set forth hereinafter and particularly pointed out in the claim.

In the accompanying drawings Figure 1 is a partial section of the invention applied to an electrical hand lamp; Fig. 2 is a side view of the same; Fig. 3 is a detached perspective view of the interior parts, some of which are shown in section; Fig. 4 is a sectional view of a modification; Fig. 5 is a cross section on the line 5—5 of Fig. 4 and Fig. 6 is a perspective view of a still further modification.

Referring first to Figs. 1–3, 10 is the tubular body of the hand lamp, 11 the reflector and 12 the usual bulb, the plug 14 of which has two contacts 15 and a pin 16 locking in a bayonet slot 17 in the body 10, whereby the bulb is removably held in place. The double wires 18 supplying the current pass into the body 10 and into an insulation plug 19 rotatable in the body. This plug has two spring pressed pins 20 respectively in electrical contact with the wires 18 and positioned to match with the contacts 15. Fastened to the plug 19 is a thumb piece 21 which passes through a slot 22 in the body 10 and projects beyond the same in convenient reach of the user. It will be seen that upon moving the thumb piece 21 from one side to another the plug 19 will be partly rotated which will move the pins 20 into or out of connection with the contacts 15 of the bulb 12. Thereby the lamp is lighted or extinguished at will and by the simple movement of the thumb if used, with the employment of but one hand which is the same hand that holds the lamp.

In Figs. 4 and 5 the order is simply reversed, *i. e.;* the plug $19^a$ is held fast in the body $10^a$ by the pin $21^a$ and the reflector $11^a$ is allowed to rotate, thereby turning the contacts of the bulb on the pins of the plug $19^a$ instead of turning the pins on the contacts.

The switching device is not limited in its use to the particular lamps here shown nor indeed to any lamp but may be used in various other connections where a convenient hand switching device is required. Thus in Fig. 6 it is shown as applied to a surgical lamp. The construction and organization of the parts is the same as that before set forth and does not require any detail description.

I do not in this application make specific claim for the construction illustrated in Figs. 4 and 5 as the same is covered in a divisional application, filed November 7th, 1916, Serial No. 129,922.

Having described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

A switching device including a tubular body having a circular cross section and provided at an intermediate point in its length with a transverse slot, a lamp having the base thereof fitted within one end of the tubular body and provided on said base with a contact area, a cylindrical insulating body rotatably mounted within an intermediate portion of the tubular body, an operating handle projecting laterally from the cylindrical body and received within the transverse slot of the tubular body so as to coöperate therewith to hold the insulating block against longitudinal movement in either direction within the tubular body,

and a spring contact plunger carried by the cylindrical block at one side thereof and directly engaging the base of the lamp so as to be moved into and out of engagement with the contact area of the lamp as the block is rotated.

In testimony whereof I have hereunto signed my name in the presence of two witnesses.

MAXIMILLIAN H. SPIELMAN.

Witnesses:
PATRICK A. BOLGER,
ENDA TANNER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."