

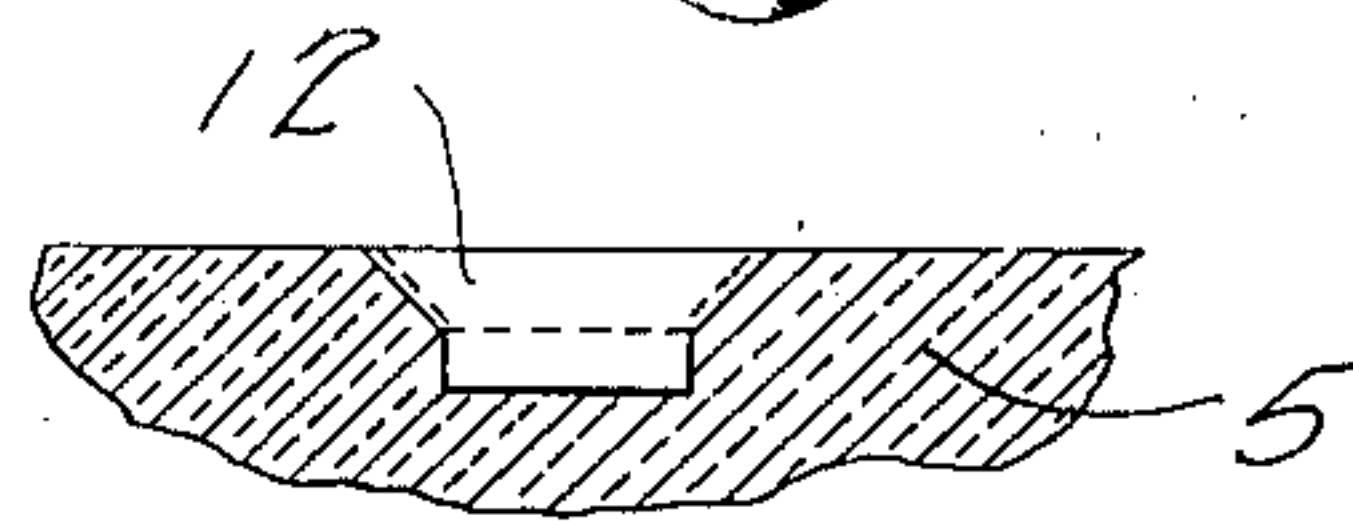
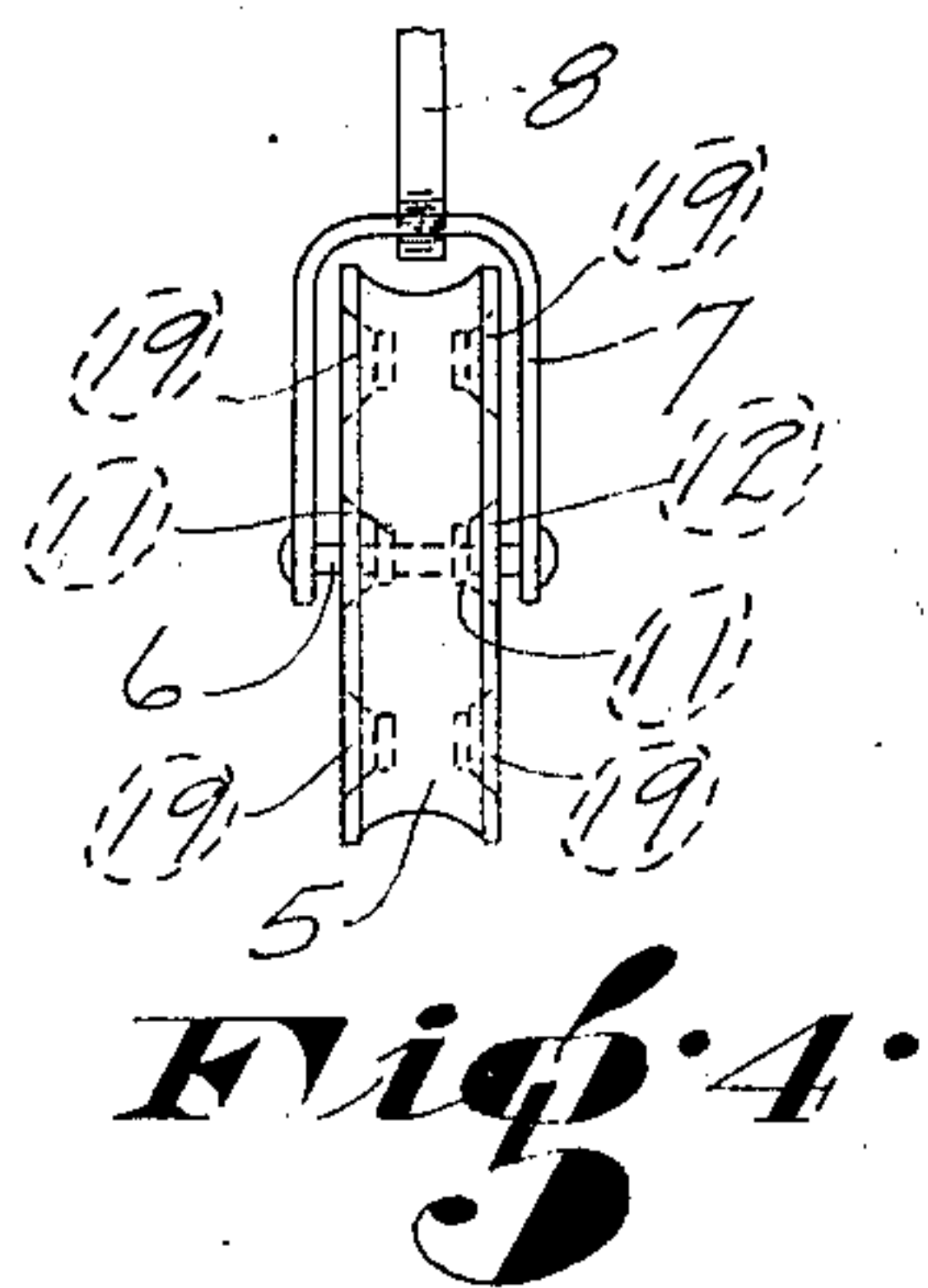
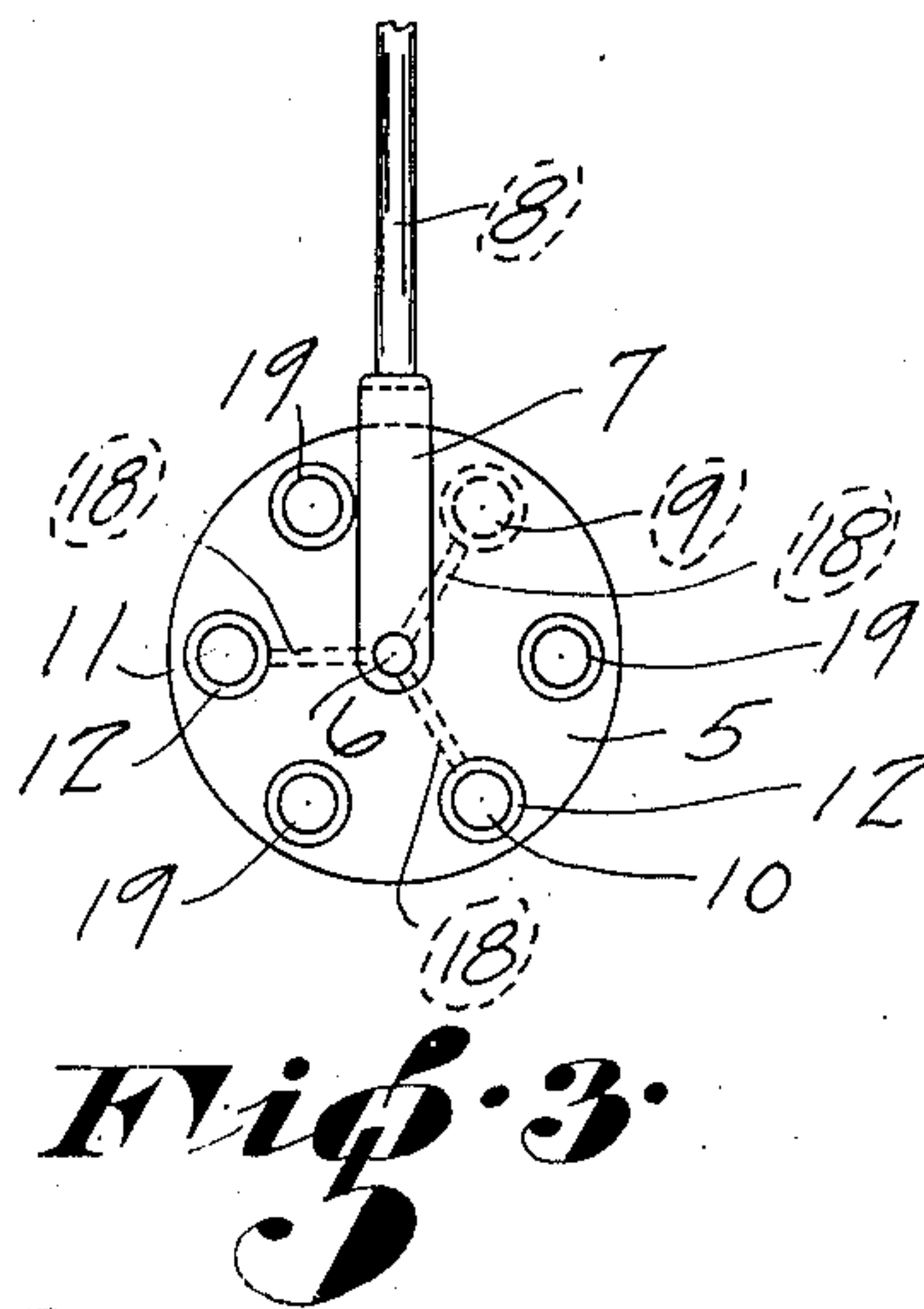
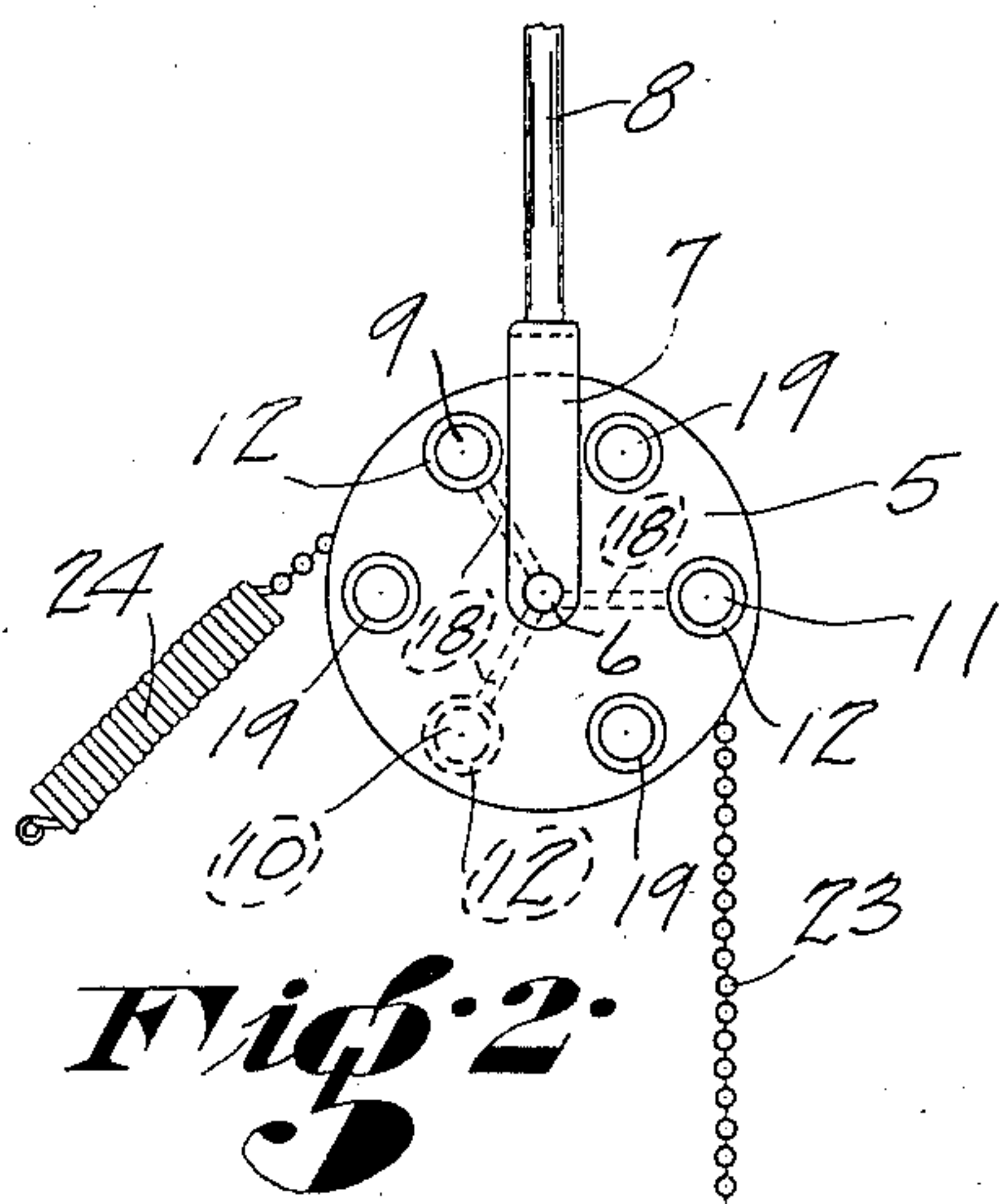
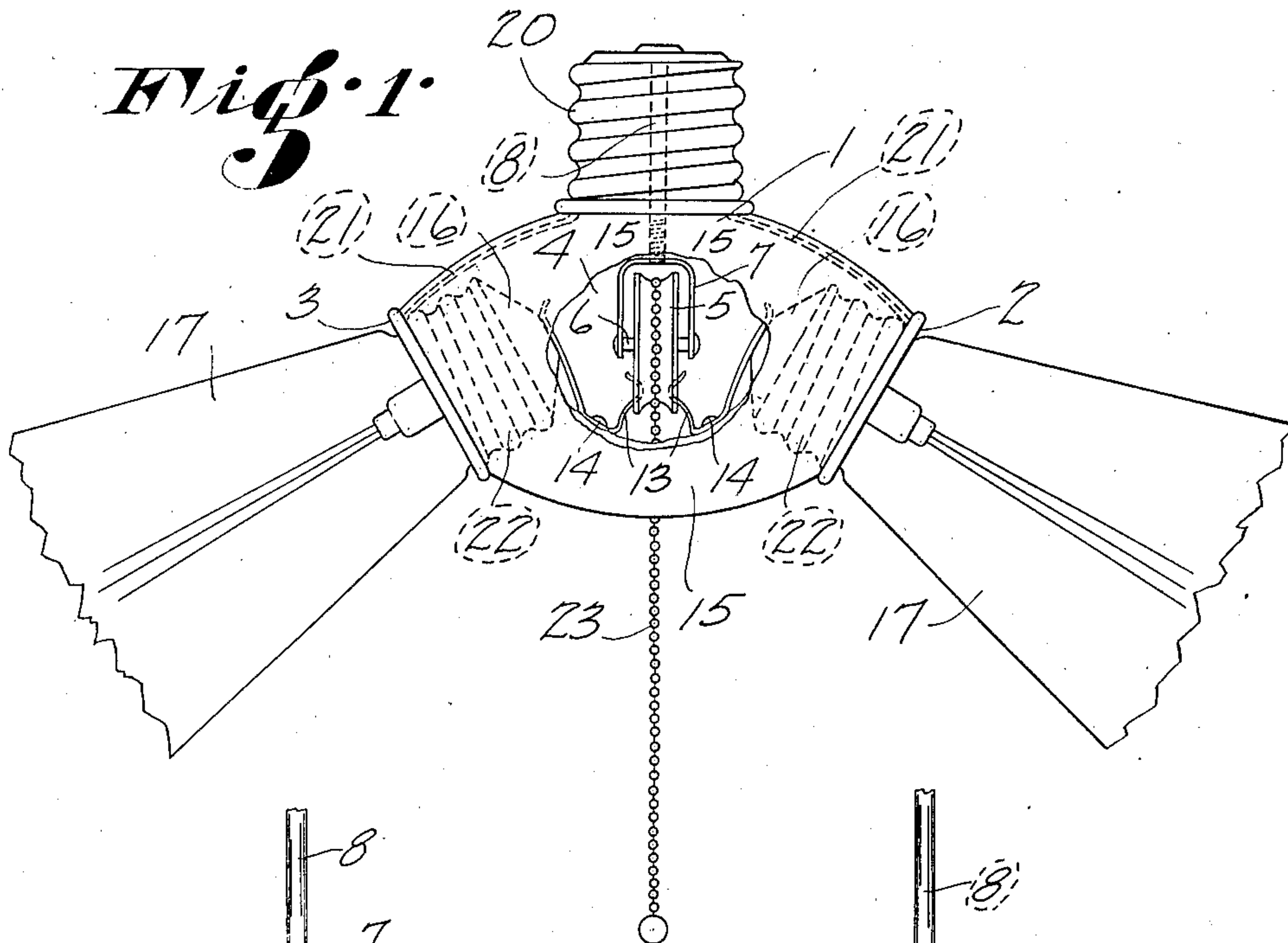
Sept. 4, 1928.

1,682,947

W. M. WIRE

CHAIN PULL DOUBLE SOCKET LAMP PLUG

Filed Nov. 24, 1923



Inventor

Fig. 5.
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UNITED STATES PATENT OFFICE.

WESLEY M. WIRE, OF NEWBERG, OREGON.

CHAIN-PULL DOUBLE-SOCKET LAMP PLUG.

Application filed November 24, 1923. Serial No. 676,694.

This invention pertains to electric light plugs, and the object is to provide a double socket lamp plug with a chain pull, and having means for switching the single lights on and off successively and then both lights on and off simultaneously.

In the drawing

Figure 1 is an elevation of the improved plug, a medial section being broken away to show the arrangement of the contact pulley and contacts;

Figure 2 is a side view of the contact pulley showing the stem and contacts of one side;

Figure 3 is a side view of the contact pulley showing the contacts of the opposite side;

Figure 4 is an edge view of the contact pulley;

Figure 5 is a detail showing the cupped setting of the pulley contacts.

In combination with an ordinary double socket electric lamp plug 1 having two lamp sockets 2 and 3, and having a central contact pulley recess 4 cut away, the walls 15 of which are of insulation material, the invention consists in journaling a contact pulley 5 on a metal pin 6 in the said recess 4, the said pin 6 being suspended in a metal fork 7 depending from the central terminal 8 of the plug 1. The pulley 5 is of insulation material and is provided with a number of lateral contacts designed to make the lamps operate as desired. As here shown, these contacts include a single contact 9 on one side of the pulley, a single contact 10 on the opposite side of the pulley and spaced one-third of the distance around the pulley, and a double contact 11 extended clear through the pulley and likewise spaced one-third of the distance around the pulley from the contact 10. All of these contacts are inset from the lateral surfaces of the pulley so as to afford contact latch cups 12 designed to releasably engage the inner ends of the intermediate spring contact links 13, which are supported at 14 within the recess 4 and from the insulation walls 15, one at each side of the pulley 5. The outer ends of the links 13 are so positioned as to engage the central terminals 16 of the electric lamps 17, as the latter are screwed into the sockets 2

and 3. The sleeve terminal 20 of the plug 1 is extended at 21 to meet the sleeve terminals 22 of the lamps 17. Conductors 18 connect the several contacts 9, 10 and 11 with the metal pin 6. Additional non-contact latch cups 19 are equi-spaced between the contact latch cups 12. The usual pull chain 23 is passed over the pulley 5, and the upper end thereof is secured to one end of a coil spring 24, the opposite end of the spring being fastened in the recess 4.

In operation, by pulling upon the chain 23, the pulley 5 is rotated, and the spring contact links 13 engage successively and alternately the latch cups 12 and 19, resulting in the lighting of first one lamp and then the extinguishing of that lamp; then the lighting and extinguishing of the other lamp; and finally the lighting and extinguishing of both lamps simultaneously. Of course, the rotation of the pulley may be stopped at any such point desired.

While I have herein described a certain specific manner and method of constructing and assembling the elements of my invention, it is understood that I may vary from the same in minor details, not departing from the spirit of my invention, so as best to construct a practical device for the purpose intended, as defined in the appended claim.

I claim:

In an electric lamp plug having a central recess and a threaded aperture communicating with said recess, said aperture being adapted to threadedly engage the base of an electric lamp, the combination comprising a contact pulley of insulation material journaled in said plug and adapted to rotate within said recess, a spring set chain adapted to engage the periphery of said pulley; a plurality of latch cups positioned in the sides of the pulley; means for connecting some of the latch cups to a source of electricity; and a resilient contact formed of a single piece of metal fastened medially its ends on said plug within said recess, one end of said contact being adapted to engage said pulley and the other end to engage said base of the electric lamp.

In testimony whereof I affix my signature.

WESLEY M. WIRE.