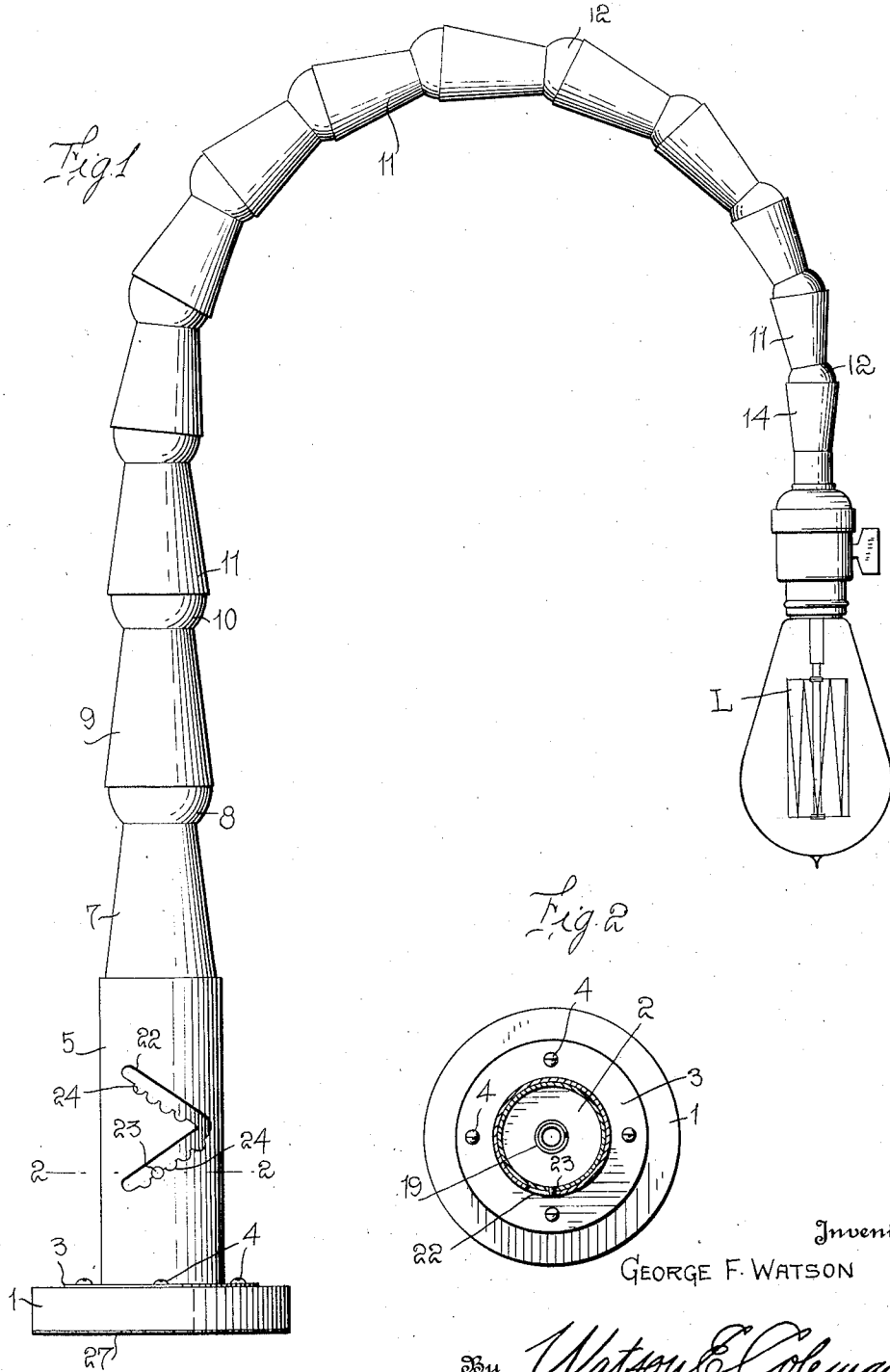


1,279,803.

Patented Sept. 24, 1918
 2 SHEETS—SHEET 1.

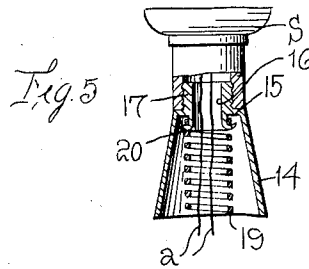
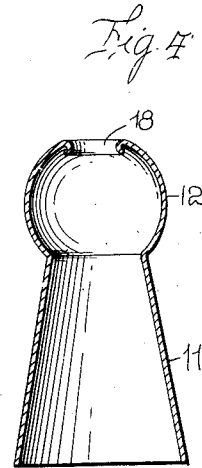
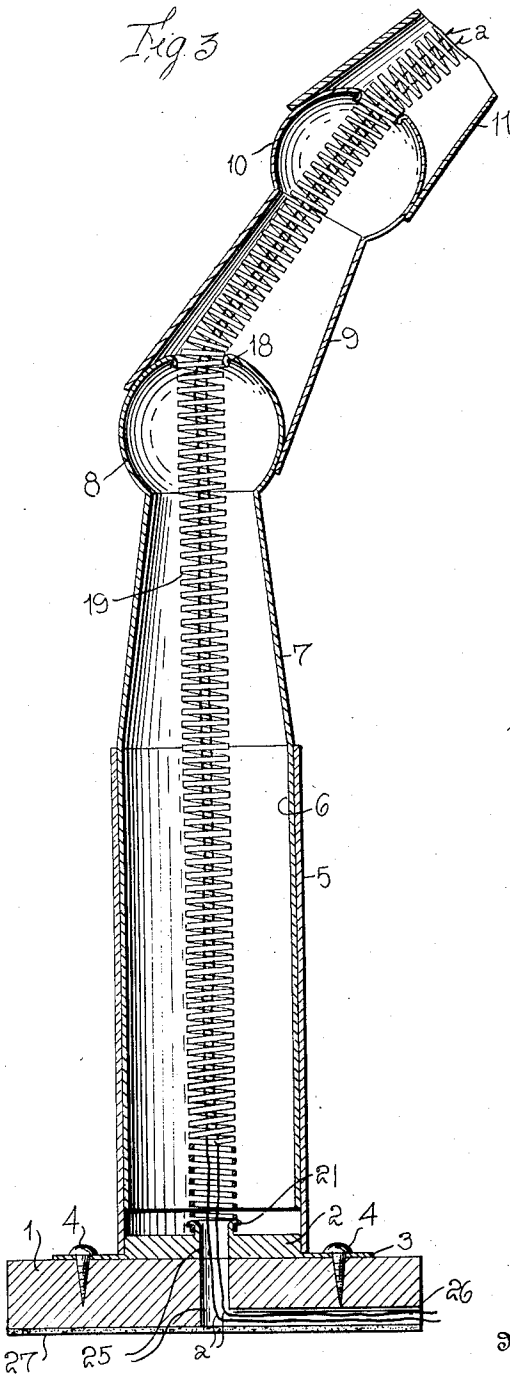


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G. F. WATSON.
LIGHT SUPPORT.
APPLICATION FILED SEPT. 29, 1917.

1,279,803.

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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

GEORGE F. WATSON, OF ROCKLAND, MAINE.

LIGHT-SUPPORT.

1,279,803.

Specification of Letters Patent. Patented Sept. 24, 1918.

Application filed September 29, 1917. Serial No. 194,013.

To all whom it may concern:

Be it known that I, GEORGE F. WATSON, a subject of Great Britain, residing at Rockland, in the county of Knox and State of Maine, have invented certain new and useful Improvements in Light-Supports, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in light supports and it is an object of the invention to provide a novel and improved device of this general character wherein a flexible stand is employed and wherein said stand comprises a plurality of relatively movable members.

The invention also has for an object to provide a novel and improved device of this general character including a plurality of relatively movable members and wherein said members are maintained in operative relation and in various positions through frictional contact and wherein said friction is created by a retractile member disposed through the members and secured to the end members.

A still further object of the invention is to provide novel and improved means whereby the tension of the spring coacting with the movable members may be regulated upon relative movement of certain of the members comprised in the stand.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved light support wherein certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood I will now proceed to describe the same with reference to the accompanying drawings wherein:

Figure 1 is a view in elevation of a light support constructed in accordance with an embodiment of my invention;

Fig. 2 is a sectional view taken substantially on the line 2—2 of Fig. 1;

Fig. 3 is a fragmentary longitudinal sectional view taken through the base portion of my improved support;

Fig. 4 is a longitudinal sectional view

taken through one of the movable members comprised in the support as herein disclosed; and

Fig. 5 is a fragmentary view partly in section and partly in elevation illustrating the outer member of my improved support together with the co-acting portion of a lamp receiving socket.

As disclosed in the accompanying drawings 1 denotes a base member of predetermined dimensions and configuration and which has resting upon its upper face at substantially its axial center a circular block 2. The lower marginal portion of the block is provided with an annular flange 3 through which is disposed the headed screws 4 or the like for securely holding the block 2 in applied position.

5 denotes an elongated cylindrical sleeve open at both ends and having its lower end portion surrounding the block 2. The sleeve 5 is also capable of rotary movement about the block 2 for a purpose which will hereinafter more fully appear.

Telescopically engaged within the member 5 is a second cylindrical member 6 extending above the member 5 and the portion 7 of the member 6 above the member 2 is gradually reduced on a predetermined taper and terminates in the substantially spherical enlargement or head 8. Frictionally engaging the enlargement or head 8 is the open end portion of a hollow member 9 preferably in the form of a truncated cone and having its outer end provided with the substantially spherical enlargement or head 10. Co-acting with the member 9 and with each other are a plurality of members 11, each of said members being substantially the same construction and formation as the member 9 although each of said members 11 outwardly from the member 9 are of gradually decreased dimensions.

Frictionally engaging the head 12 of the outermost member 11 is a tubular member 14 substantially in the form of a truncated cone and having its outer end 15 closed. The closed end 15 at the axial center thereof is provided with an opening 16 defined by an outstanding annular flange 17 with which is threaded or otherwise engaged the socket S of a conventional type and with which co-acts in a well known manner the electric lamp or bulb L. Each of the heads 12 of the members 11 together with the head 10 of the member 9 and the head 8 of the mem-

ber 7 is provided at the axial center of the member with an opening 18. Disposed longitudinally through all of the members 6, 7, 9 and 11 is a retractile member 19 which is also directed through the openings 18 and the outer end of said retractile member 19 is suitably anchored as at 20 to the closed end 15 of the member 14. The lower or opposite end portion of the expansible member 19 is suitably anchored as at 21 to the block 2 hereinbefore referred to. The expansible member 19 as herein disclosed comprises a coil spring and it has been found best in practice to have the convolutions of said spring formed of flattened material. The member 19 co-acts with the members 14 and the block 2 to constantly urge the members 14, 11, 9 and 7 inwardly so that the requisite frictional co-action between said members is assured in order to maintain the stand as afforded by the members 7, 9, 11 and 14 in a vertical position or in any other position to which the stand may be flexed or bent.

In order to regulate the tension of the member 19 in accordance with the requirements of practice and to properly assure the requisite frictional contact of the members comprised in my improved stand the member 5 has produced therein the substantially V-shaped slot 22. The apex of the slot 22 is disposed transversely of the longitudinal axis of the member 5. The member 6 is provided with an outstanding pin or lug 23 extending within the slot 22 and co-acting with the lower edges or walls of said slot. It will be at once perceived that upon rotating the member 5 about the block 2 the pin or lug 23 will ride upon a lower edge of the slot 22 and either raise or lower the member 6 resulting in either increasing or decreasing the tension of the member 19. In order to maintain the sleeve 6 at various positions longitudinally of the member 5 I provide the lower walls of the slots 22 with the recesses or notches 24 in which the pin or lug 23 is adapted to seat.

Leading from the socket S and disposed through the coil spring 19 are the conductors α leading from the socket S. The conductors α are also disposed through the registering openings 25 produced in the base member 1 and the block 2. The conductors α are then

continued through the groove or channel 26 produced in the under face of the base member 1 and which groove or channel radiates from the opening 25. The conductors α are adapted to be connected in any desired manner with suitable electrical source. It is also desirable to provide the bottom face of the brace member 1 with a lamination 27 of felt or other soft material for a purpose which is believed to be self evident.

From the foregoing description, it is thought to be obvious that a light support constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated and it will also be obvious that my invention is susceptible of some change and modification without materially departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

A light support comprising a plurality of members having adjacent ends in frictional contact and movable one relative to the other, a base, a tubular member rotatably supported by the base, an end member being telescopically engaged within the tubular member, a lamp carried by the opposite end member, a retractile member disposed through each of the members and secured to the lamp carrying member and to the base for maintaining the members in frictional contact, said rotatable tubular member being provided with a substantially V-shaped slot with its apex disposed transversely of the tubular member, and a lug carried by the portion of the member within the tubular member and extending within said slot whereby said last named member is moved longitudinally of the tubular member upon rotation of the tubular member.

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

GEORGE F. WATSON.

Witnesses:

EDWARD C. MORRIS,
R. M. PATTERSON.