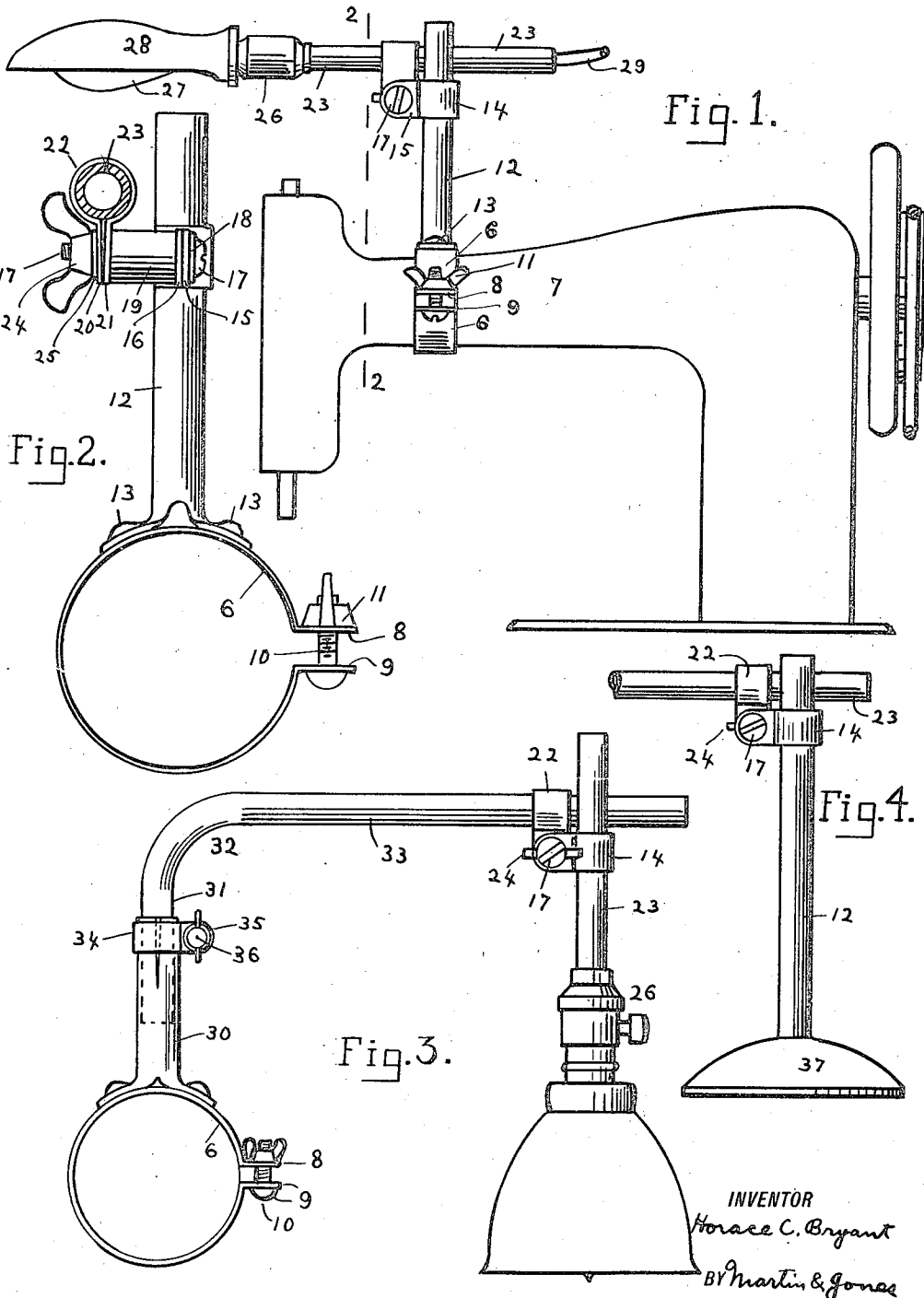


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ELECTRIC LIGHT SUPPORT.  
APPLICATION FILED MAR. 29, 1917.

1,285,018.

Patented Nov. 19, 1918.



# UNITED STATES PATENT OFFICE.

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## ELECTRIC-LIGHT SUPPORT.

1,285,018.

Specification of Letters Patent.

Patented Nov. 19, 1918.

Application filed March 29, 1917. Serial No. 158,417.

*To all whom it may concern:*

Be it known that I, HORACE C. BRYANT, of Clinton, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Electric-Light Supports; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the reference-numerals marked thereon, which form part of this specification.

My present invention relates to electric light supports and particularly to such supports as are intended to be adjustably attached to a sewing machine or other machine or articles near which special illumination is desired.

The purpose of my present invention is to provide an electric light support of improved form and of such construction that it may be readily applied in a great variety of ways.

A further object is to provide such a support as may be readily adjusted in a very great variety of ways to the end that with one of my devices light may be supplied as needed to a great variety of sewing machines or other machines or situations.

A further purpose is to provide an article of the class described wherein the standard of the support and the tube bearing the electric light socket are connected by a single clamp of such form that by loosening a single member there may be relative longitudinal adjustment of either or both the standard and tube in the clamp and also circumferential adjustment of either or both the standard and tube in the clamp and furthermore an angular adjustment between the said tube and the standard.

Further objects and advantages of my invention will appear from the specification and claims herein.

Figure 1 is a front elevation of an electric light support embodying my invention as applied to the arm of a sewing machine.

Fig. 2 is a view of said device as seen on line 2-2 of Fig. 1 upon an enlarged scale.

Fig. 3 is a front elevation of my device similar to Fig. 1 but with a modified form of standard.

Fig. 4 is a front elevation of a device em-

bodimenting my invention with a modified form of support for the standard.

Referring to the drawings in a more particular description it will be seen that my electric light support has the split band 6 adapted to be adjustably attached to any suitable adjacent object such as the arm 7 of a sewing machine by means of said band having its ends 8 and 9 projected outward and provided with perforations through which a bolt 10 passes to receive a winged nut 11 beyond one of the projected ends of the band. In this way it will be seen that the band is attachable to and detachable from any desired object without special tools and that the band may be adjusted in various positions upon said article and furthermore that a considerable latitude is allowed in the size of the article to which a stock band may be applied.

Permanently and rigidly connected to the band and projecting preferably radially therefrom is a standard 12 preferably circular in cross-section and conveniently formed of tubular material, the end of which near the band 6 is split and has its ends turned outward and fitted against the outer surface of the band and fastened thereto as by rivets 13.

Encircling the standard 12 is a looped band 14 having its ends 15 and 16 turned outwardly facing each other at a slight distance apart and oppositely perforated to receive therethrough the shank of a bolt 17 the head of which is preferably spaced from the projecting end 15 of this band by washer 18 while the shank of the bolt extends a sufficient distance beyond the other band end 16. Upon the projecting shank of said bolt is placed a perforated block 19 or other suitable spacing member. The end of bolt 17 projects beyond the block 19 and there extends through the holes provided in the out-turned ends 20 and 21 of a looped band 22 similar in construction to looped band 14. The ends 20 and 21 of this band preferably extend in a radial direction from the band 22 and also are preferably slightly spaced apart when the band is upon the tube 23 of proper size. Beyond the band ends 20 and 21 the bolts 17 receives a nut 24, preferably winged as shown in the drawings for convenience in manual adjustment. Interposed between the nut 24 and the nearest

band end 20 will preferably be placed a washer 25.

The tube 23 comprises the other arm of my adjustable light support and is adapted at one end to have fastened thereto an ordinary electric light socket 26 which receives in the usual way an incandescent electric light bulb 27 and also a combined shade and reflector 28. From the socket 26 there extends through the tube 23 the usual electric light wire 29 passing out from the free end of the said tube to any suitable connection therefor.

The parts of the clamp comprising the looped band 14, the spacing block 19 and the looped band 22 and the bolt 17 and winged nut 24 are so proportioned and arranged relative to each other and to the standard 12 and tube 23 that screwing up the winged nut 24 makes both bands bind tightly upon their inclosed members and also cause both bands to be held in rigid position relative to each other upon the spacing block 19 and that loosening said winged nut 24 slightly loosens the contact with each other of said members. It will therefore be seen that when the said clamp is loosened the band 14 of said clamp may be moved longitudinally of the standard 12 or may be moved circumferentially about said standard 12, in either case carrying with it the entire clamp and the tube 23 and its attached electric light and that upon the said bolt and nut being again tightened the said parts will be held in the position to which they have been moved.

It will also be seen that upon loosening said bolt and nut the looped band 22 will have its grasp upon the tube 23 sufficiently loosened to enable the tube 23 to be moved longitudinally through said band 22 or may also be rotated or moved circumferentially in said band whereby the position and direction of said electric light may be further varied. Upon the said screw-threaded members being again tightened the parts will be securely fastened in the position to which they have been moved.

When the members of said clamp are loosened a still further adjustment of the members of my electric light support may be had in that the angular relation of the bands 14 and 22 may be varied as far as needed allowing the tube 23 to be changed from its position at right angles to the standard 12 to any desired angle thereto. It will be noticed that the spacing block 19 is of sufficient length to allow of this angular adjustment of the looped bands 14 and 22 and their contained members respectively without said bands or contained members striking each other as will be obvious especially from an inspection of Fig. 2. When the tube 23 has been moved to desired angle relative to the standard 12, tightening of the

screw-threaded members of the clamp will secure the light in desired position.

The modification of my device shown in Fig. 3 consists in having the standard formed in two parts, one part 30 secured to the band 6 as heretofore described with regard to standard 12 and having its free end hollow to receive therewithin in telescopic manner the arm 31 of the other part 32 of the standard which is L-shaped in general outline comprising the part 31 mounted in the part 30 and preferably a longer part 33 preferably at right angles to the part 31. Upon the part 33 of this standard is mounted the clamp consisting of two looped bands, spacing block and screw-threaded means for tightening the same and the tubular member 23 to the free end of which is secured an electric light socket and light of proper form as heretofore described in detail. The free end of the standard part 30 in this form is split longitudinally from its end in one or more places and is provided with an encircling band 34 with outwardly extending perforated ends 35 receiving a bolt and winged nut 36. It will be seen that this form of the standard allows a further adjustment of the electric light support in that the portion 31 of the part 32 of the standard can be adjusted longitudinally relative to the fixed part 30 and may also be swung circumferentially in the said part 30.

Fig. 4 shows in side elevation another form of my invention. The tube 23 and standard 12 are the same as already described and are connected in a similar way by a similar clamp already described in detail. The means for holding the standard 12 are different, in that a base or pedestal 37 is used to which the standard 12 is secured. The base or pedestal 37 may be made heavy enough to support the entire device in proper position and allow the entire device to be fully portable or the base or pedestal may be secured to a table or work platform by screws or bolts or other obvious means.

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

1. In an electric light support, the combination of a split band adapted to be adjustably secured to a suitable object, a standard permanently secured to said band and projecting therefrom, a bracket member adapted at one end to support an electric light socket and a clamp comprising two looped bands encircling respectively the bracket member and the standard and having outwardly projecting perforated ends, a perforated block interposed between the projecting ends of said bands and holding said two pairs of band ends and said bands from contact with each other and adjustable pressure-exerting means extending through said perforated band ends and

said block, whereby said standard and said bracket member may be adjusted longitudinally through and circumferentially in said clamp and also adjusted at any angle to each other.

2. In an electric light support, the combination of a split band adapted to be detachably secured to a suitable object, a standard permanently secured to said band and projecting therefrom, a tube adapted to be secured at one end to an electric light socket and to have the electric wires therefor passed through said tube from the open end and a clamp comprising two looped bands encircling respectively the tube and the standard and having outwardly projecting perforated ends, a perforated block interposed between the projecting ends of said bands and holding said two pairs of band ends and said bands from contact with each other and adjustable pressure-exerting means extending through the perforated band ends and said block, whereby said standard and said tube may be adjusted longitudinally through and circumferentially in said clamp and also at any angle to each other.

3. In an electric light support, the combination of a split band adapted to be detachably secured to a suitable object, a standard permanently secured to said band and projecting therefrom, a tube adapted to be secured at one end to an electric light socket and to have the electric wires therefor passed through said tube from the open

end and a clamp comprising two looped bands encircling respectively the tube and the standard and having outwardly projecting perforated ends, a perforated block interposed between the projecting ends of said bands and holding said two pairs of band ends and said bands from contact with each other and screw-threaded means extending through the perforated band ends and said block, whereby said standard and said tube may be adjusted longitudinally through and circumferentially in said clamp and also at any angle to each other.

4. In an electric light support, the combination of a standard, a tube adapted to be secured at one end to an electric light socket and to have the electric wires therefor passed through said tube from the open end and a clamp comprising two looped bands encircling respectively the tube and the standard and having outwardly projecting perforated ends, a perforated block interposed between the projecting ends of said bands and holding said two pairs of band ends and said bands from contact with each other and screw-threaded means extending through the perforated band ends and said block, whereby said standard and said tube may be adjusted longitudinally through and circumferentially in said clamp and also at any angle to each other.

In witness whereof I have affixed my signature this 21st day of March, 1917.

HORACE C. BRYANT.