Nov. 8, 1955 E. E. FRANZ 2,723,383

LAMP MOUNTING

Original Filed Nov. 3, 1950

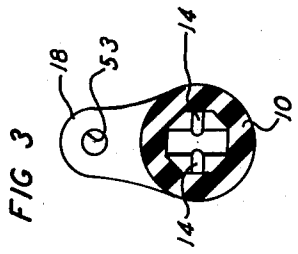


FIG. 3

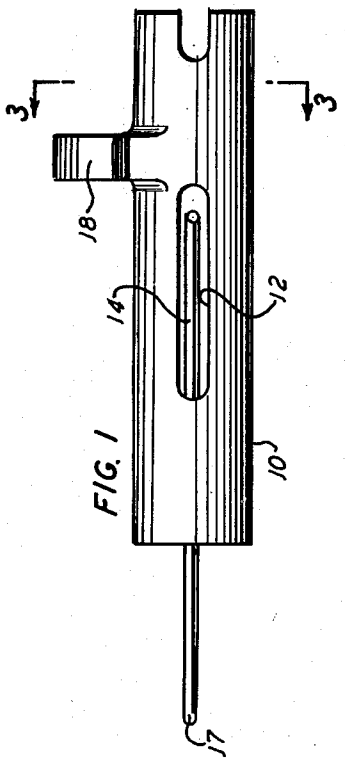


FIG. 1

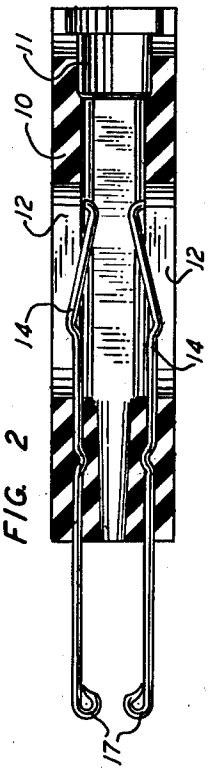


FIG. 2

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LAMP MOUNTING

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1 Claim. (Cl. 339—176)

This invention is a division of my copending application Serial Number 193,921, filed November 3, 1950, now Patent No. 2,698,461, and relates to lamp mountings more particularly those employed in telephone switchboards.

The conventional lamp mountings for switchboard lamps are usually composed of frames, insulating strips, contact springs and terminals secured together by the aid of screws, and with assemblies of this nature, particularly the handling of various parts for assembling, the contact springs and/or terminals become bent necessitating testing of the lamp assembly prior to use.

An object of the invention is to provide a lamp mounting which is simple in structure, highly efficient for the purpose intended, and free from accidental disturbance of the conductive elements during handling.

In accordance with the object of the invention, the lamp mounting is composed of a body of molded dielectric material having a lamp receiving aperture at one end, an aperture extending transversely of the lamp receiving aperture intermediate the ends of the body whereby the inner ends of the contacts having portions molded in the outer portion of the body may be free to grip the lamp and form electrical contact therewith.

Other objects and advantages will be apparent from the following description when considered in conjunction with the accompanying drawing wherein:

Fig. 1 is a side elevational view of the lamp mounting;

Fig. 2 is a longitudinally sectional view of the lamp mounting; and

Fig. 3 is a lateral sectional view taken along the line 3—3 of Fig. 1.

Referring now to the drawings, it will be noted that the lamp mounting includes a body **10** molded of a dielectric material made hollow through the center portion thereof, while one end **11** is formed to receive a switchboard lamp. Aligned apertures **12** are formed in the body intermediate the ends thereof to receive the inner ends **14** of spring contacts which are initially formed of a single resilient element substantially U-shaped in

general contour. This is to facilitate in the molding of the body **10** with the legs of the resilient element positioned so that the central portions thereof will be embedded in the material of the body. The connecting portion of the resilient element is not shown, only the remaining inwardly bent ends **17** after the connecting portion has been removed by a punching operation. A laterally extending projection **18** formed integral with the body **10** and having an aperture **53** therein may be employed in securing the lamp mounting in place.

The inner ends of the resilient members **14** may engage opposing sides of the switchboard lamp when moved into the socket **11**. The resilient elements are at all times free to move relative to each other during the insertion or removal of a switchboard lamp, yet these resilient members are protected against any possible damage due to handling.

It is to be understood that the above described arrangements are simply illustrative of the application of the principles of the invention. Numerous other arrangements may be readily devised by those skilled in the art which will embody the principles of the invention and fall within the spirit and scope thereof.

What is claimed is:

A lamp mounting comprising elongate wire-like resilient contacts with outer ends thereof bent in substantially circular general contour for electrical connections with conductors, with inner ends thereof bent outwardly to receive a lamp therebetween and with intermediate portions having fractional lengths thereof offset from each other to eliminate turning of the contacts when said intermediate portions are embedded in a molded body, and an elongate body of dielectric material molded with said intermediate portions with their offset fractional lengths embedded in one end of the body, said body also being molded with a lamp receiving aperture extending longitudinally therein from the other end thereof and laterally extending apertures intermediate the ends of the molded body opening to the lamp receiving aperture and adapted to partially house the inner ends of the contacts and allow free flexing movements thereof.

References Cited in the file of this patent

UNITED STATES PATENTS

667,462	Scribner	Feb. 5, 1901
1,244,475	Currier	Oct. 30, 1917
1,568,156	Herskovitz	Jan. 5, 1926
1,696,865	Schellenger	Dec. 25, 1928
1,697,329	Schraig	Jan. 1, 1929
2,032,232	Strickland	Feb. 25, 1936
2,157,919	Reese	May 9, 1939
2,185,193	Hanson	Jan. 2, 1940