C. H. ROCKEY.

UNIVERSAL FIXTURE STEM.

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1,410,602.

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Fig. 1

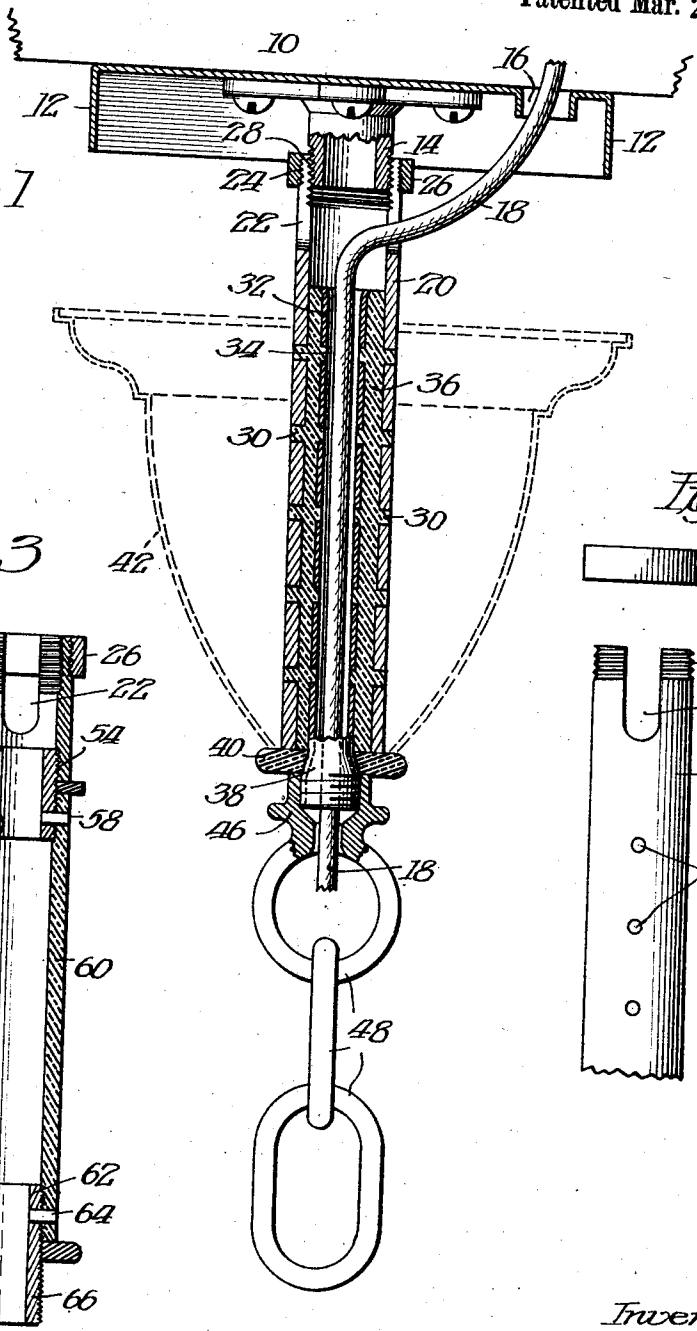


Fig. 2

Fig. 3

Inventor:
Clarence H. Rockey,
By Cheever Cox
attys.

UNITED STATES PATENT OFFICE.

CLARENCE H. ROCKEY, OF CHICAGO, ILLINOIS.

UNIVERSAL FIXTURE STEM.

1,410,602. Specification of Letters Patent. Patented Mar. 28, 1922.

Application filed February 24, 1920. Serial No. 360,858.

To all whom it may concern:

Be it known that I, CLARENCE H. ROCKEY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Universal Fixture Stems, of which the following is a specification.

This invention is a device commonly called in the trade a "hickey" for getting electric wires depending from the ceiling of a room into and out of a central stem of an electric light fixture, this with or without an especially constructed novel stem. The object of the invention is to provide a hickey proper of very simple and light construction which is nevertheless very strong and satisfactory in operation. A further object is to provide a universal fixture stem which is very cheaply constructed, but which affords highly efficient insulation.

The invention consists in means for carrying out the foregoing objects and in many features of details of construction hereafter more fully set forth in the specification and claim. Referring to the drawings in which like numerals denote like parts throughout the several views,

Figure 1 is a vertical sectional detail view of mechanism illustrating all the features of this invention in its preferred form.

Figure 2 is a side view of the upper portion of the device of Figure 1, certain parts being disassembled.

Figure 3 is a modified construction showing the same general view as in Figure 1.

Referring particularly to Figure 1, the mechanism is shown applied to a wall and ceiling 10, having the usual cut out box 12 secured thereto in the center of which cut out box is a depending screw threaded stem 14 for the reception of the fixture stem and at one side of which is the usual perforation 16 for the entrance of the electric wire 18 which is to be conducted into the fixture stem proper.

In constructing the combined universal stem and hickey of this invention shown in Figure 1 an outer metallic tube 20 of substantial length is provided, the same being notched at its upper edge in two or more U-shaped notches or recesses 22 clearly appearing in Figure 2. The outer end of this tube 22 is provided with screw threads 24 engaged by circular collar 26 of sufficient longitudinal thinness so that when in place as shown in Figure 1 there is ample space in the notches 22 below this collar for the wire 18 to pass through as shown. The inner circumferential end of the tube 20 is provided with screw threads interfitting with the threads on stud 14, these sets of threads being designated in Figure 1 by numeral 28. In view of the fact that the collar or nut 26 reinforces the extreme end of tube 20 it is obvious that when the pipe is screw threaded on to the stud 14 the portions of tube 20 adjacent to notches 22 do not yield and spring sidewise as would be the case were the collar 26 absent with corresponding slipping and angular distortion of the tube 20 with reference to the ceiling. The lower portion of the tube 20 is provided with perforations 30. Inside of tube 20 and spaced apart from it but extending only up to the point below the notches 22 is an inner metallic tube 32 also provided with perforations 34. This tube 32 is held in spaced position from the interior of the tube 20 by insulating composition 36 of such a character that in the process of manufacture will close into the perforations 30 and 34 heretofore referred to with the result that after the composition has hardened the tubes are held in spaced relation with reference to and retained against the longitudinal movement, one with the other.

Surrounding the lower portion of inner tube 32 and held in place by an angular enlargement thereof 38 which extends below the end of tube 30 is an insulating collar 40 which abuts against the lower end of tube 30 and serves from time to time as a rest for the enclosing case or cap 42 of usual construction which is adapted to rest in the dotted line position of Figure 1, in the fixture being assembled and it is adapted to be moved upward into engagement with the ceiling 10 and the box 12 when the wiring is completed and the job is finished—this in the obvious manner without novelty.

The lower end of member 38 of tube 32 is finished off by any suitable means without special novelty as for instance by use of the screw threaded cap 46 carrying the ornamental chain 48.

In the particular form of construction shown in Figure 1 the upper portion of the device constituting the hickey proper is as stated made integral with the lower portion pipe 20 and its attached mechanism described. In the modified form of construc-

tion the upper or hickey portion of the device is exactly the same as before, the only difference being that the pipe 50 corresponding to the hickey portion of pipe 20 is not made continuous with the fixture stem below but on the other hand terminates at the washer 52. The lower end at this short pipe 50 is screw threaded at 54 and is ended by a short piece of metal pipe 56 which is secured by pins 58 or any other suitable means to an insulating tube 60 abutting against washer 52 to hold it in place. This insulating tube 60 at its lower end is again provided with an internal metal tube 62 held in place by a pin 64 and provided on its lower end with screw threads 66 for the reception of the cap 46, Figure 1. In the use of this modified form of device a short pipe 50 and wall attaching mechanism constituting the hickey are first put in place as in Figure 1 whereupon the fixture stem mechanism constituting the parts from the screw thread 54 to the bottom of the figure is inserted in place in the obvious manner.

The details of the modified structure of Figure 3 are reserved for and claimed in my copending application, Serial No. 519,937, filed December 5, 1921.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

A universal fixture comprising concentric spaced apart tubes, each extending beyond one end of the other, insulating material in the space between the two securing them together by entering perforations in the adjacent walls of the respective tubes, means for attaching the end of one tube to a wall fixture, and means for attaching a finishing device to the extending end of the other tube.

In witness whereof, I have hereunto subscribed my name in the presence of two witnesses.

CLARENCE H. ROCKEY.

Witnesses:
ANNA ROSENTHAL,
DWIGHT B. CHEEVER.