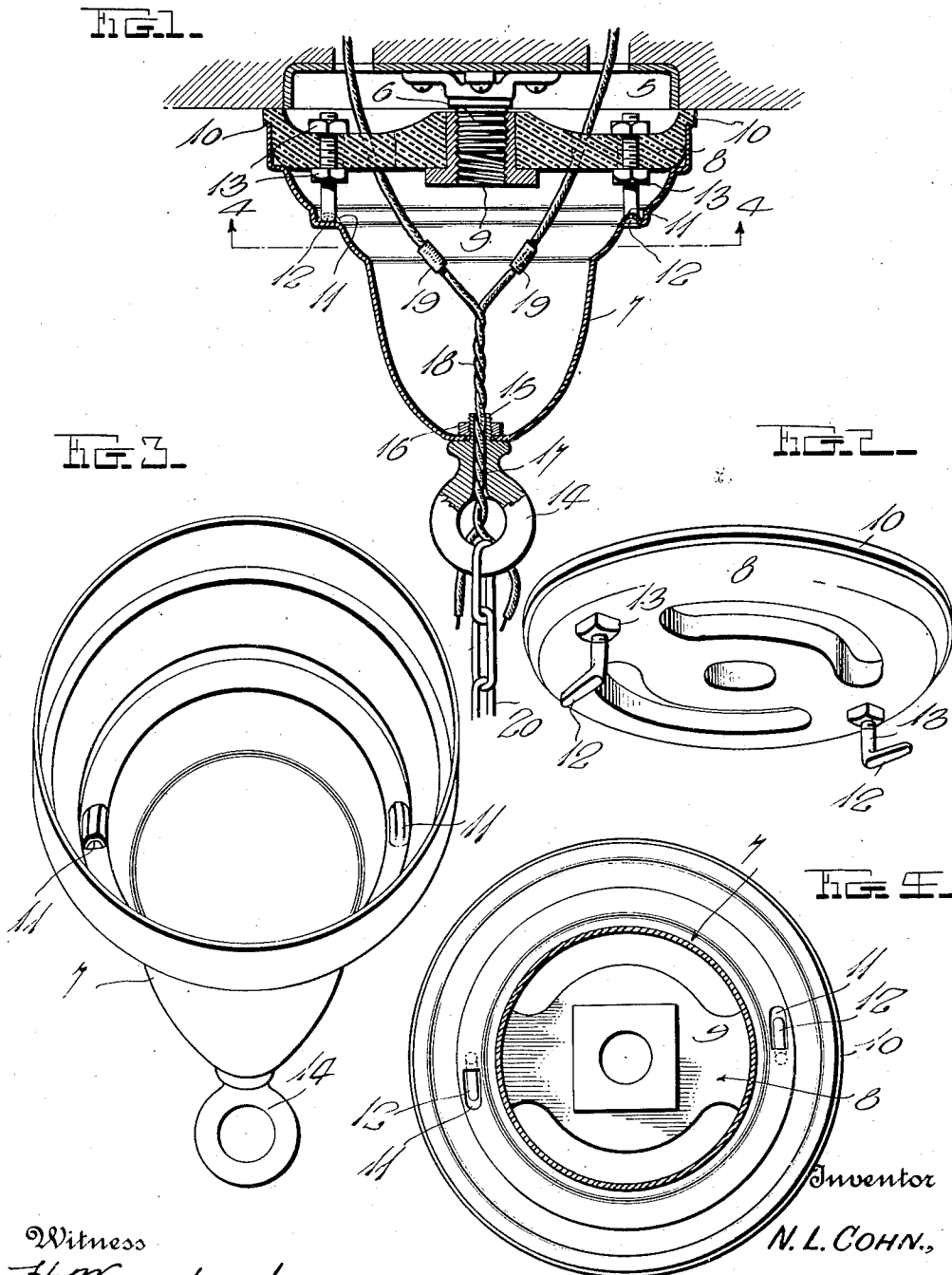


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ELECTRIC LAMP HANGER.

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ELECTRIC-LAMP HANGER.

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To all whom it may concern:

Be it known that I, NATHAN L. COHN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Electric-Lamp Hangers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to electric lamp hangers, and it relates more specifically to an improved canopy and its connecting elements.

One object of the invention is to generally improve upon, simplify and reduce the cost of devices of this character.

A further object is to provide an improved device of this character which is exceedingly convenient and easy to attach to and detach from an ordinary electric outlet connection.

A still further object is to provide a device of this character in which the canopy supports the electric lamp, being united with the chain or other connection which carries the lamp.

Other objects and advantages may become apparent to persons who read the following details of description in connection with the accompanying drawings, in which:

Figure 1 is a central vertical sectional view through a device illustrating one embodiment of my invention.

Fig. 2 is a perspective view illustrating a combined insulating and canopy supporting element of the invention.

Fig. 3 is a perspective view illustrating my improved canopy, especially the struck-up hook-engaging portions.

Fig. 4 is a horizontal sectional view along the lines 4-4 of Fig. 1.

Referring to these drawings in detail, in which similar reference characters correspond with similar parts throughout the several views, and in which the numeral 5 designates a pan or outlet box of ordinary construction embedded in and secured to a ceiling by any appropriate means, the numeral 6 designating a screw-threaded connection supported by the outlet box:

The invention comprises my improved canopy 7 and the same in combination with my improved insulating and supporting disk 8, the latter being secured to the screw-threaded connection 6 by means of a flanged

sleeve or nut 9 which extends through the center of the insulating disk. It will be seen that by tightening the nut 9, the upper margin or rim of the disk 8 is pressed against the ceiling and thereby held firmly in its canopy-supporting position. The insulating disk 8 is formed with a peripheral shoulder 10 which provides a seat for the upper rim of the canopy 7 and spaces the dome from the ceiling.

The canopy 7 is formed with loops or pockets 11 which are struck up from vertically deflectable portions of springy sheet metal of which the canopy is integrally formed, and hooks 12 are normally engaged with or seated in the pockets 11, the upper ends of the hooks 12 being adjustably secured to and supported by the disk 8. In order that vertical adjustment may be effected, each hook 12 is formed with a screw-threaded shank which extends through the disk 8 and is provided with nuts 13 above and below the disk, these nuts normally co-operating to hold the hooks rigidly in a tangential relation to the concentric line in which their centers are disposed; that is, the centers of the hooks' shanks coincide with a circle which is concentric with the periphery of the disk 8, so that when the upper rim of the canopy is seated on the shoulder 10, the canopy may be given a rotary movement for engaging the hooks 12 with the loops or pockets 11, and by moving the canopy in the opposite direction, the hooks may be disengaged from the loops or pockets. The adjustment of the hooks should be such that the sheet metal adjacent to the loops 11 will exert a spring tension for holding the canopy in its useful position by its frictional engagement with the hooks and with the shoulder 10, and this adjustment may be made by means of nuts 13, so that canopies of varying dimensions may be supported by the insulating disk 7 and its hooks. A loop-eye or other appropriate lamp-supporting connection 14 has a screw-threaded upper end 15 which extends through an aperture in the lower end of the canopy and is secured in its supporting position by means of a nut 16 or other appropriate means. The upper portion of the supporting connection 14 is tubular, being provided with a wire-receiving bore or aperture 17 which is in open communication with the interior and exterior of the canopy, so that the electric conductors 18 may be passed

through the lower central part of the canopy and electrically connected, as at 19, with the terminals which extend down through the outlet box.

5 A chain or other lamp-supporting means 20 may either carry a lamp socket, or any appropriate electrical connection for a lamp or other electrically operated or controlled object.

10 From the foregoing, it will be seen that the canopy 7 and elements supported thereby constitute the means for supporting the lamp or other object, in contradistinction to prior devices which require supporting
15 means for the lamp in addition to the canopy for covering the outlet box and connections. In other words, my improved device dispenses with the expensive elements employed by previously known devices, and
20 utilizes the canopy for performing the dual function of supporting the lamp and covering the outlet connections. Moreover, I employ an insulating disk 8 to perform the dual function of insulating the canopy from
25 the ceiling and supporting the canopy.

From the foregoing description of the structure, arrangement, and functions, it will be seen that an electric fixture comprising my invention may be very quickly, easily
30 and conveniently removed from the ceiling connection, and very quickly and easily transferred to another connection or outlet box which is provided with a similar screw-threaded connection 6, or with a connection
35 which consists of the screw threaded elements 6 and 9. Therefore, the owner of fixtures comprising my improved fixture or hanger, may transfer the same to any new house or apartment into which such owner
40 may move, without the necessity of employing an expert electrician or mechanic to make such transfer.

Although this embodiment of my invention has been described very specifically, it

is not intended to limit the invention to these 45 exact details of construction and arrangement, but changes may be made within the scope of the inventive idea as described and claimed.

What I claim as my invention is:

1. In an electric fixture, a disk having a central opening to receive means for attaching it to a junction box, said disk having a peripheral canopy-seat and having eccentric apertures between its canopy-seat and central opening, hooks having shanks adjustably secured in said eccentric openings and having their lower ends depending from said disk, and a canopy normally having its upper rim seated against said canopy-seat, said canopy being provided with pockets at points below said disk and radially inward from the canopy-seat, the lower ends of said hooks constituting approximately horizontal elements which extend tangentially from a 65 circle concentric with said central opening, these tangentially extending elements of the hooks being seatable in and removable from said pockets by rotary movements of the canopy. 70

2. The combination of an electric insulating disk adapted to be supported at an electric wire outlet, a plurality of hooks secured to and supported by said insulating disk, and a canopy comprising vertically deflectable springy portions spaced from the upper end of the canopy and provided with a plurality of inwardly extending hook-engaging elements which are engageable with said hooks so as to support said canopy and 80 yieldingly press its upper end against said insulating disk, said canopy being disengageable from said hooks by a horizontal relative movement of the hooks and canopy.

In testimony whereof I have hereunto set 85 my hand.

NATHAN L. COHN.