

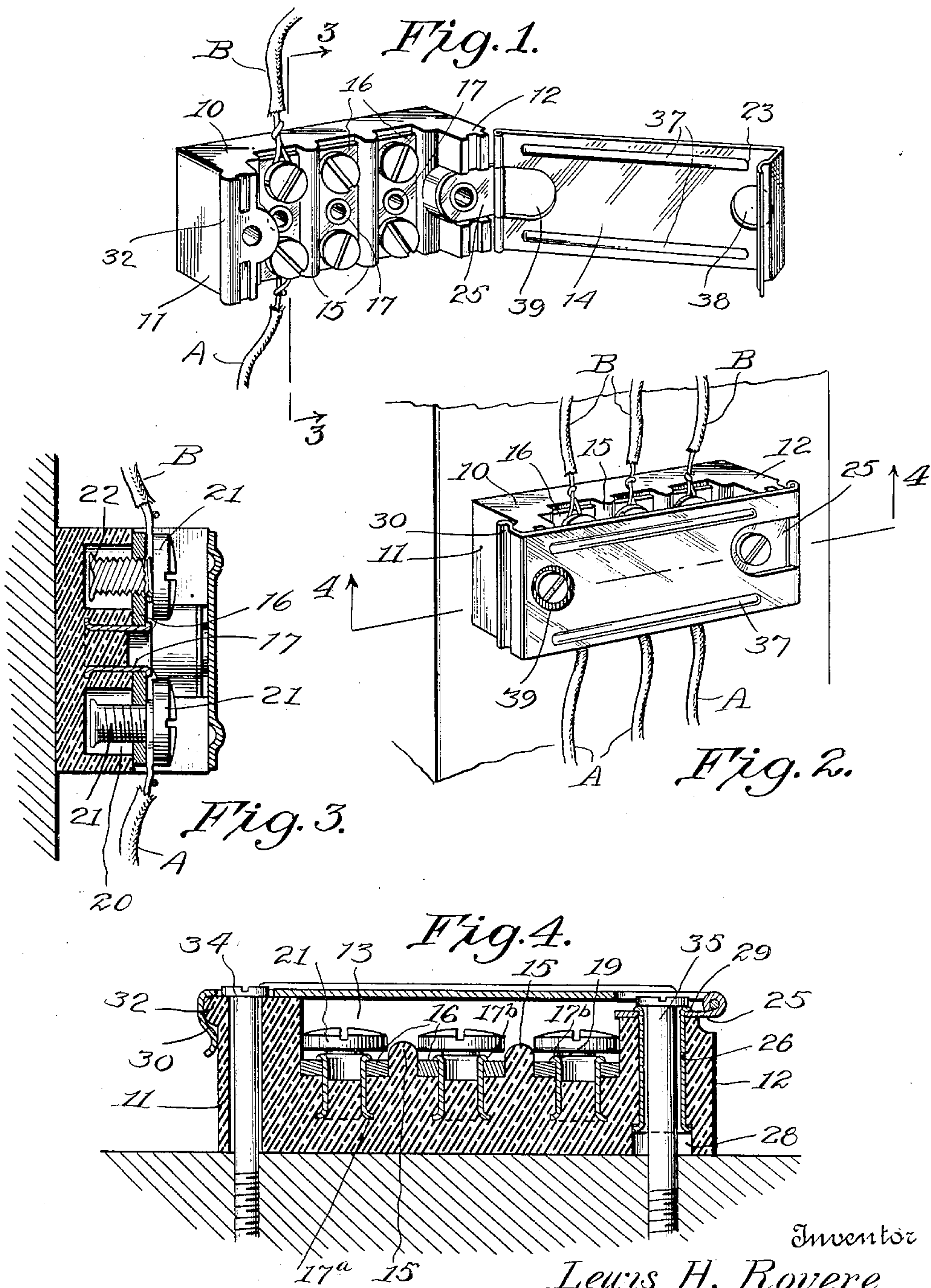
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CONNECTING BLOCK FOR ELECTRIC WIRING

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CONNECTING BLOCK FOR ELECTRIC WIRING.

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This invention relates to electrical fittings known as connecting blocks which are used mainly for making the connection between heavy outside distributing wires and the lighter wiring used in the interior of a building; or for connecting the flexible leads from an instrument such as a telephone or telegraph instrument to the fixed heavy conductors.

Connecting blocks have heretofore been constructed with separable parts and the cover members are very frequently displaced, or may become lost, thereby leaving the binding screws exposed and unprotected. The object of my invention is to provide a connecting block having the cover member permanently attached but capable of being swung to open position to permit access to the interior and also to provide means for preventing the removal of the screws.

In the following description I shall refer to the accompanying drawings in which:—

Figure 1 is a perspective view of the device with the cover open.

Figure 2 is a similar view with the cover closed.

Figure 3 is a cross-section on the line 3—3 of Figure 1.

Figure 4 is a longitudinal section on the line 4—4 of Figure 2.

The block comprises a molded base member 10 of suitable insulating material having a depressed central portion 13, and upstanding ends 11 and 12 to which the cover member 14 is secured. The face of the block within the recess is formed with a plurality of spaced ribs 15 which define transverse channels within which are located metallic strips or plates 16 held in place by eyelets 17 which have their inner ends 17^a outwardly flared and embedded within the body of the block and their outer ends upset at 17^b to hold strips 16 firmly in place.

Back of each strip 16 the block is formed with a pair of spaced recesses 20 into which extend binding screws 21, which are threaded through holes in the end portions of the strips 16 and which have their inner ends upset at 22 to prevent them from becoming entirely disconnected. The two sets of wires A and B are connected with the respective binding screws 21.

The cover plate 14 is provided with a

hinge at one end having a leaf 25 secured to the end portion 12 by means of the upset end of an eyelet 26, which passes through an aperture in the block and has its inner end expanded into a recess 28 in the rear face of the block. The free end of the cover is provided with a reversely curved flange 30 adapted to snap over a marginal lip 32 on the end member 11.

The connecting block is secured to a wall or table by screws 34, 35 which are inserted respectively through a passage in the end member 11 and through the eyelet 26. In order that the block may be removed from the wall or other support and shifted to a new position when desired without disturbing the wires or opening the cover, I provide the latter with apertures 38 and 39 in alignment with the screws 34 and 35. The metal removed to form the aperture 39 may be utilized to construct the hinge leaf 25. The cover plate may be stamped with a plurality of stiffening ribs 37.

I claim:—

1. A device of the character described, comprising a block of insulating material, metallic connecting strips mounted thereon and carrying adjustable binding means permanently secured thereto, and a cover permanently hinged at one end on said body and having its other end detachably connected therewith, the body being formed with holes for the passage of securing elements, and the cover having openings registering with said holes to permit the insertion or removal of said securing elements while the cover is in closed position.

2. A connecting block comprising a body of insulating material having end abutments and an intermediate portion, a cover for enclosing the front of the body, connecting means on the depressed portion, the cover including a hinged leaf disposed against the face of one end portion of the body, and an eyelet passing through said leaf and engaged within the body for permanently mounting the cover, said cover being provided with an aperture registering with said eyelet to permit a fastening means to be inserted through said aperture and through said eyelet.

3. A connecting block comprising a body of insulating material, a series of eyelets

each having one end embedded within the body and the other end projecting beyond the face thereof, a series of spaced metallic strips engaged upon the projecting ends of
5 said eyelets, the body being recessed beneath the strips, binding screws movable through and into said recesses, but incapable of with-
drawal therefrom, and a cover hinged adjacent one end of the body, said cover and said body being provided with aligned open- 10
ings to permit the passage of fastening devices.
In testimony whereof I affix my signature.
LEWIS H. ROVERE.