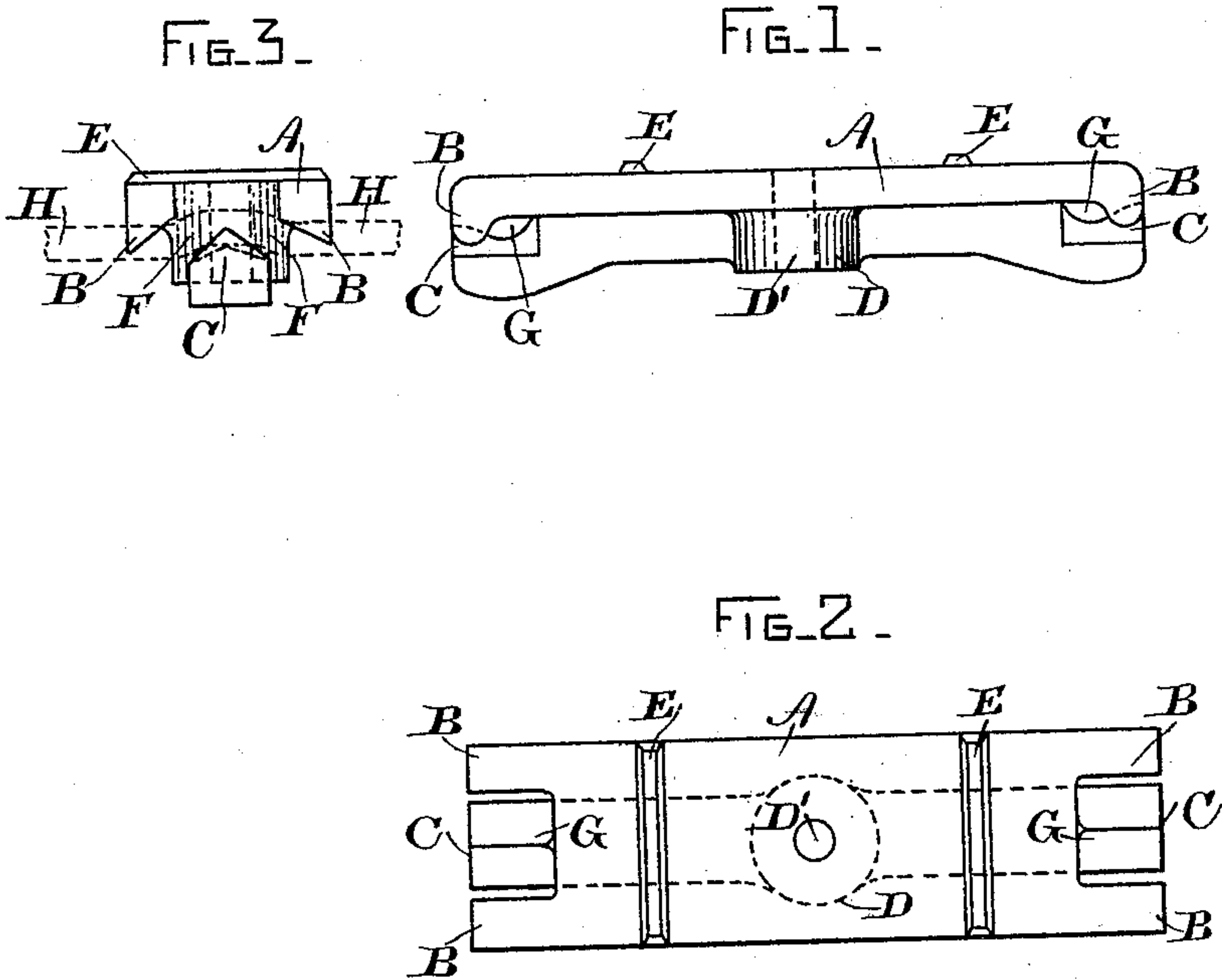


(No Model.)

H. P. BALL.  
CEILING CLEAT.

No. 518,214.

Patented Apr. 17, 1894.



WITNESSES.

*A. Macdonald.*

*J. J. Johnston.*

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*attys.*

# UNITED STATES PATENT OFFICE.

HENRY PRICE BALL, OF BRIDGEPORT, CONNECTICUT.

## CEILING-CLEAT.

SPECIFICATION forming part of Letters Patent No. 518,214, dated April 17, 1894.

Application filed January 12, 1894. Serial No. 496,635. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY PRICE BALL, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented certain new and useful Improvements in Ceiling-Cleats, of which the following is a specification.

My invention relates to ceiling cleats for incandescent wiring, and has for its object to provide a cleat which may engage with the wires employed so as to hold them firmly in place, which may itself be fixed to the ceiling or wall, the wire being afterward inserted without losing or removing the cleat, and which, when the wires are so inserted, will hold them firmly in place without any loose locking mechanism; to which ends I form my cleat of porcelain, preferably, (although it may be made of wood or other insulating material,) as illustrated in the accompanying drawings hereby referred to and made part of this specification, in which like letters refer to like portions of my improved cleat throughout; and in which—

Figure 1 is a side elevation, Fig. 2 a plan and Fig. 3 an end elevation of a cleat constructed according to my invention.

A is the cleat, B, B are depending lugs or ears, and C is an extended lug formed on the body of the cleat; these parts form the interlocking mechanism of the cleat and serve to hold the wires in place.

D is a central boss or projection having a hole D' for the screw.

E, E are small lugs or projections on the back of the cleat adapted to afford frictional contact with the surface to which it is affixed.

F, F are diagonal channels between the parts B and C.

G, G are grooves in the part C which, as will be observed, are of smaller section than the wire designed to be inserted in the cleat.

H, H shows in dotted lines a wire inserted in the cleat.

The use and operation of the device will be readily understood from the foregoing description.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. As a new article of manufacture, a ceiling cleat formed in a single piece, from suitable insulating material, comprising a body portion A and lugs B, B and C, forming diagonal channels upon the end of the cleat adapted to engage and hold in place a wire, substantially as described.

2. As a new article of manufacture, a ceiling cleat formed in a single piece and of insulating material, and having means for engaging the wire comprising diagonal channels F, F, formed upon the end of the cleat, and a groove G in a lug forming one side of such diagonal channels, the groove being of smaller section than the wire which the cleat is adapted to hold.

3. As a new article of manufacture, a cleat for incandescent wiring, formed in a single piece from suitable insulating material, such cleat comprising a body portion A having a central boss D provided with a screw hole D', projections E, E, lugs B, B and C, such lugs forming diagonal channels F, F, upon the end of the cleat, and one of such lugs being cut away to form a groove G of smaller section than the wire which the cleat is adapted to hold.

In witness whereof I have hereunto set my hand this 9th day of January, 1894.

HENRY PRICE BALL.

Witnesses:

W. H. MOTT,

J. M. ZAPATA, Jr.