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PATENTED NOV. 14, 1905.

N. B. HOYT & J. H. MARTIN.  
BRANCH BLOCK FOR ELECTRIC WIRING.  
APPLICATION FILED NOV. 14, 1904.

Fig. 1

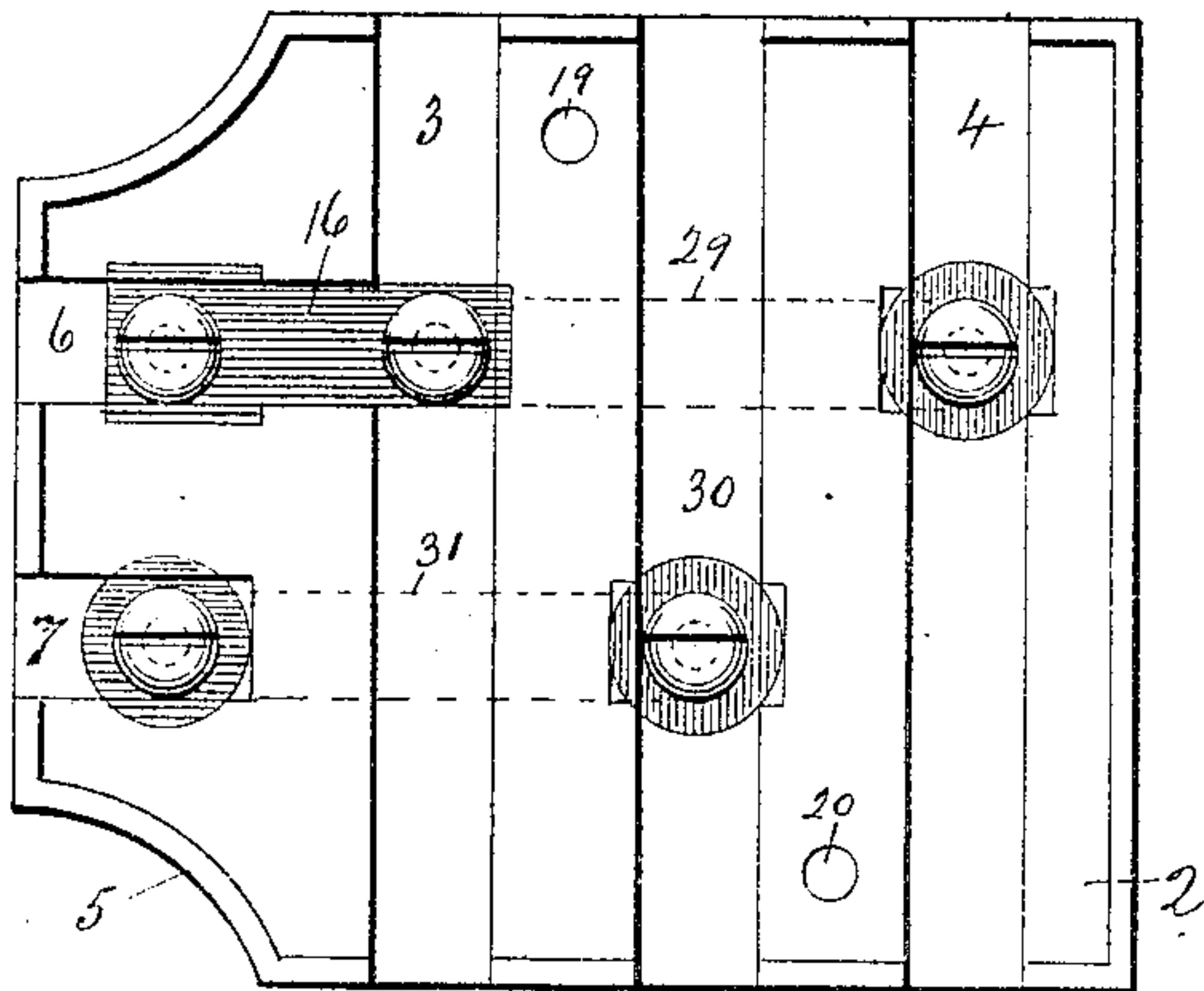
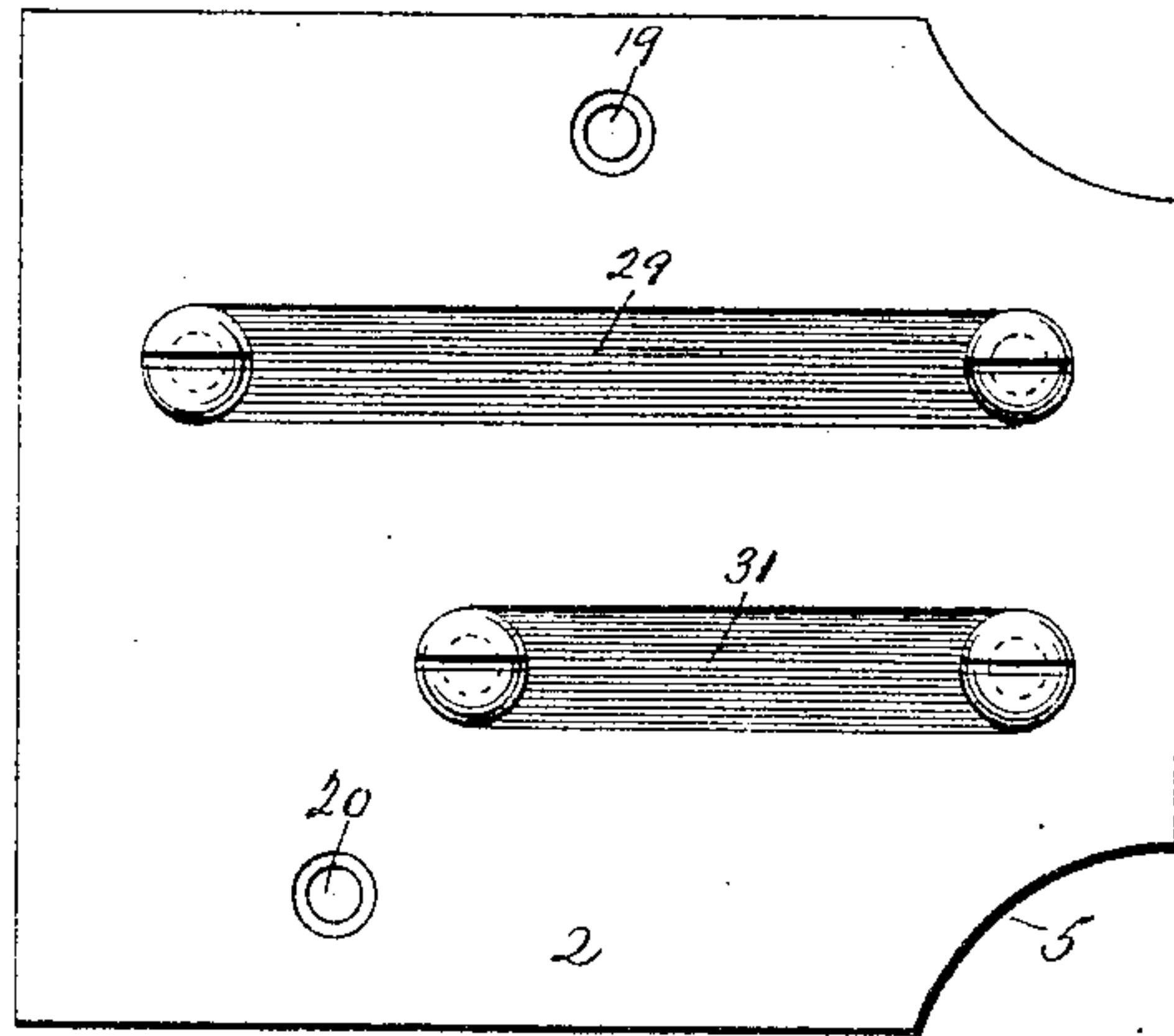


Fig. 2



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# UNITED STATES PATENT OFFICE.

NATHAN B. HOYT AND JAMES H. MARTIN, OF NEW HAVEN, CONNECTICUT,  
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## BRANCH BLOCK FOR ELECTRIC WIRING.

No. 804,603.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed November 14, 1904. Serial No. 232,598.

*To all whom it may concern:*

Be it known that we, NATHAN B. HOYT and JAMES HENRY MARTIN, citizens of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Branch Blocks for Electric Wiring; and we do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a top or plan view of a branch block constructed in accordance with our invention and adapted for a three-wire main circuit and a two-wire branch. Fig. 2 is an under side view of the same.

This invention relates to an improvement in molding branch blocks for electric wiring—that is, a block of porcelain or other suitable material, which may be inserted between the ends of molding-strips in which electric wires are arranged and from which it is desired to take branches. When the three-wire circuit is employed and several branches are to be made therefrom in the same direction, it is desirable sometimes to use one of the outside wires and sometimes the other, so as to balance the circuit. This has necessitated the forming of joints by soldering and winding with tape, making an unsightly connection.

The object of this invention is to provide a block adapted to have three main wires pass through it with provision for a two-wire branch and so that one of the branch wires may be connected with either of the outside wires.

The invention consists of a construction hereinafter described, and particularly recited in the claim.

The block 2 is formed with a centrally-ar-

ranged groove 30 and outside grooves 3 and 4 parallel therewith. At one side the block is formed with grooves 6 and 7, the groove 7 being connected with the central groove 30 by a bridge 31, this bridge being arranged in the bottom of the block and connected with the respective grooves by screws which extend through the block to the bridge. The groove 6 is connected with the groove 4 by a similar bridge 29 and with the groove 3 by contact-plate 16, which may be arranged in the face of the block, as shown, or the connection between the grooves 6 and 3 may be made through the bridge 29. In making a branch the central wire passing through the groove 30 will be connected with the groove 7 through the bridge 31, and the wire extending through the groove 3 may be connected with the other groove 6 by the bridge 16. If, however, it should be desirable to connect the wire in the groove 6 with the other outside wire in the groove 4, connection will be made with the wire through the bridge 29. Thus provision is made for connecting either of the outside wires with the groove 6.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A branch block having three longitudinal main grooves and two branch grooves arranged at a right angle thereto, connection between the central groove and one of the branch grooves, connection between the outside grooves and the other branch groove, substantially as described.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

NATHAN B. HOYT.  
JAMES H. MARTIN.

Witnesses:

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