A. R. & F. N. WELLS.

FLOOR OR CEILING PLATE.

APPLICATION FILED MAR. 19, 1913.

1,066,559.

Patented July 8, 1913.

Fig. 1.

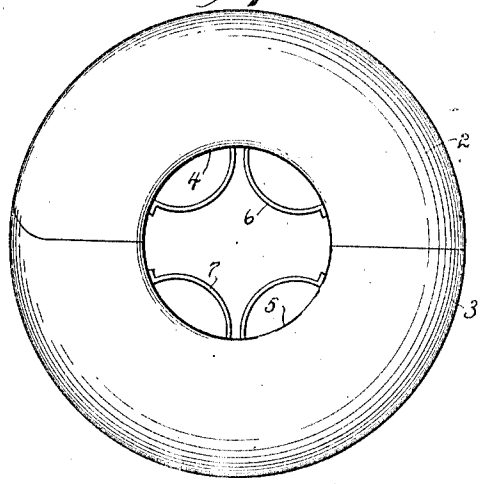


Fig. 2.

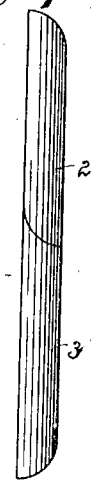


Fig. 3.

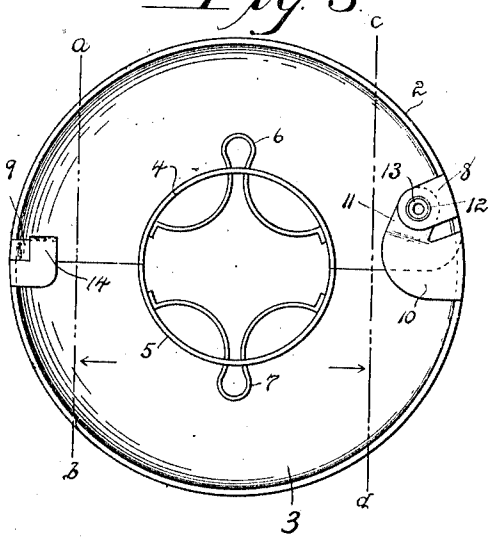


Fig. 4.

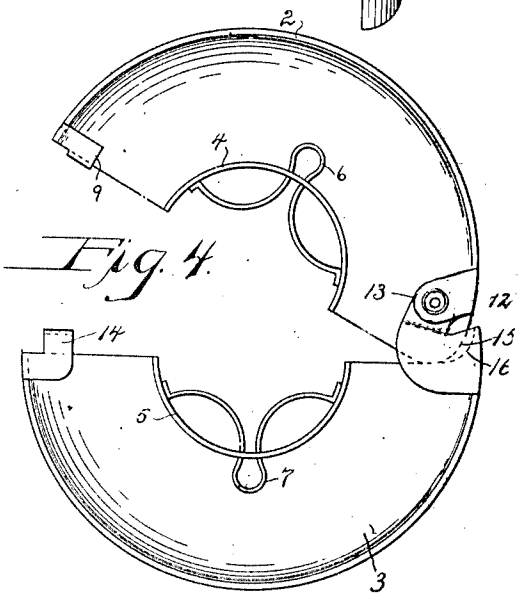


Fig. 5.

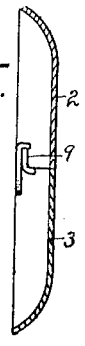
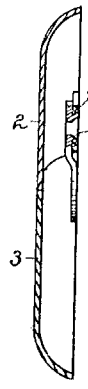


Fig. 6.



Witnesses:
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Attys

UNITED STATES PATENT OFFICE.

ALBERT R. WELLS, OF SOUTHINGTON, AND FRANK N. WELLS, OF NEW BRITAIN, CONNECTICUT, ASSIGNORS TO THE BEATON & CORBIN MFG. CO., OF SOUTHINGTON, CONNECTICUT, A CORPORATION.

FLOOR OR CEILING PLATE.

1,066,559. Specification of Letters Patent. Patented July 8, 1913.

Application filed March 19, 1913. Serial No. 755,534.

To all whom it may concern:

Be it known that we, ALBERT R. WELLS and FRANK N. WELLS, citizens of the United States, residing, respectively, at Southington and New Britain, in the county of Hartford and State of Connecticut, have invented a new and useful Improvement in Floor or Ceiling Plates; and we do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent, in—

Figure 1 a face view of a floor or ceiling plate constructed in accordance with our invention. Fig. 2 an edge view of the same. Fig. 3 an inside view of the plate in the closed position. Fig. 4 a similar view in the open position. Fig. 5 a sectional view on the line *a—b* of Fig. 3. Fig. 6 a sectional view on the line *c—d* of Fig. 3.

This invention relates to an improvement in floor and ceiling plates, and particularly to plates in which the two sections are hinged together.

The object of this invention is to provide a convenient form of hinge whereby the two members may be firmly connected together; and the invention consists in the construction hereinafter described and particularly recited in the claims.

The plates each comprise two members 2, 3, struck up from sheet metal with the usual inwardly projecting flanges 4, 5, forming seats for the usual springs 6 and 7. The member 2 is formed with an inwardly extending ear 8, and at the opposite side with an integral inwardly extending catch 9. The other member 3 is formed with an arm 10 extending inward from the outer edge at one side, and from this arm a finger 11 extends outwardly beneath the ear 8 with which it is pivotally connected. The connection may be in any desired manner; but preferably and as shown, the ear is formed with a perforation 12, and the finger 11 with an eyelet-like projection 13 which is passed through the perforation 12 and expanded within the perforation so as to couple the members together. The member 3 is formed at the opposite side with an inwardly projecting latch 14 adapted to engage with the catch 9. The edge 15 of the plate 2 is rounded from the ear 8, while the member 3 has a corresponding projection 16 which, when the parts are locked together, completes the round plate. This rounding of one member and projection on the other gives clearance so that the parts may turn on their pivotal connection.

We claim:—

1. A floor or ceiling plate comprising two members one formed with an inwardly projecting ear, the second member formed with an inwardly projecting arm, and a finger projecting outwardly from the said arm said finger pivotally connected with said ear, and means for locking the two members together.

2. A floor or ceiling plate comprising two members one formed with an ear turned inward from the outer edge of the plate the portion of the plate adjacent to the ear being rounded, and the second member formed with an inwardly projecting arm and a finger extending therefrom, said finger pivotally connected with said ear, said second member being formed with a rounded projection fitting the cut away portion of the first member, and means for locking the members together.

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

ALBERT R. WELLS.
FRANK N. WELLS.

Witnesses:
FRED J. WRIGHT,
MARTHA E. JONES.