M. B. CUNNINGHAM.

DOOR HINGE.

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1,186,288.

Patented June 6, 1916.

Fig. 1.

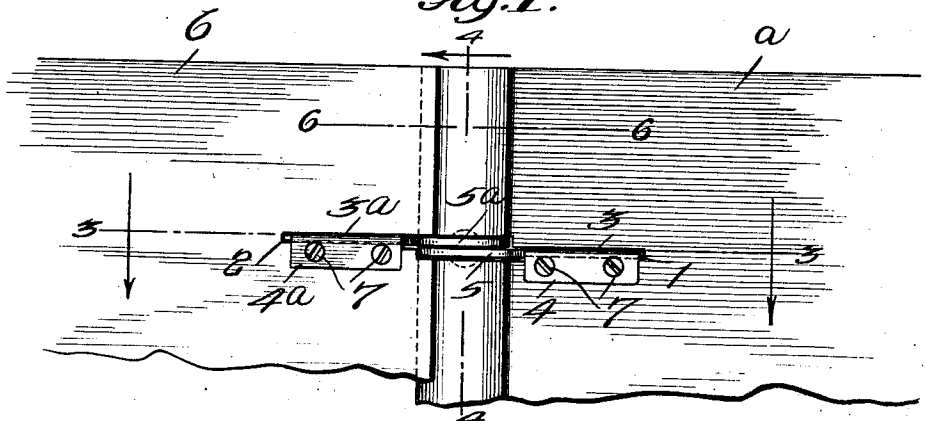


Fig. 2.

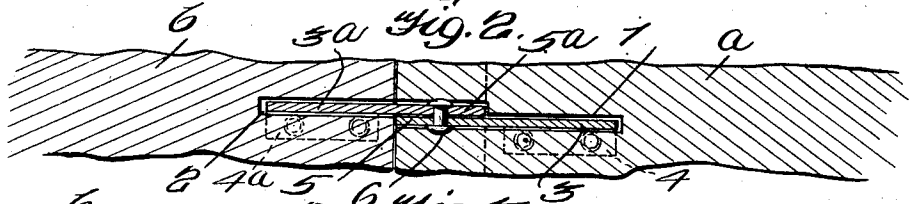


Fig. 3.

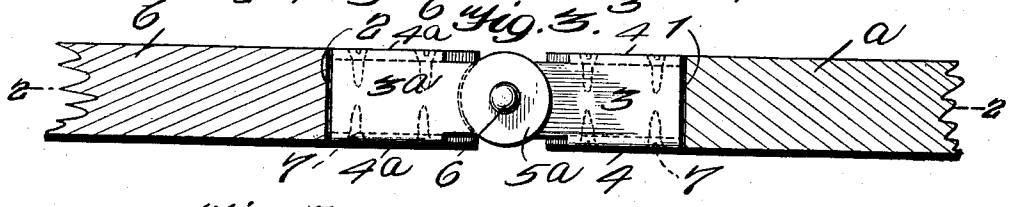


Fig. 4.

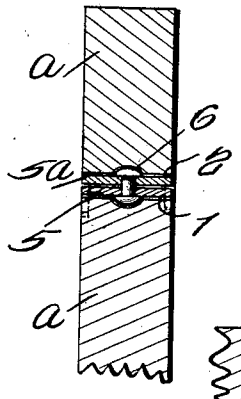


Fig. 5.

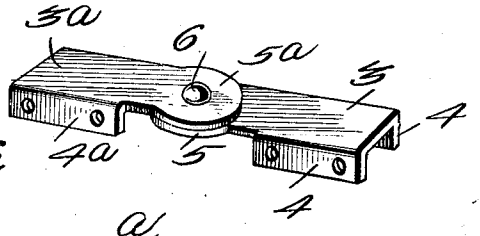
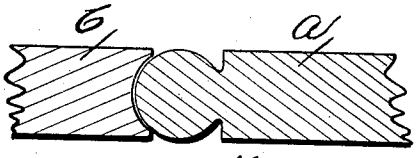


Fig. 6.



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DOOR-HINGE.

1,186,288. Specification of Letters Patent. Patented June 6, 1916.

Application filed January 4, 1916. Serial No. 70,165.

To all whom it may concern:

Be it known that I, MELVILLE B. CUNNINGHAM, a citizen of the United States, and a resident of Fort Worth, in the county of Tarrant and State of Texas, have made an Improvement in Door-Hinges, of which the following is a specification.

My invention pertains to that type of door hinges in which the leaves lie in parallel planes and overlap and are pivoted together.

The details of construction, arrangement, and operation are as hereinafter described, and illustrated in the accompanying drawing, in which:

Figure 1 is a face or side view of a portion of a jamb and swinging door connected by my improved hinge. Fig. 2 is a vertical section on line 2—2 of Fig. 3. Fig. 3 is a horizontal section on line 3—3 of Fig. 1. Fig. 4 is a vertical section on line 4—4 of Fig. 1. Fig. 5 is a perspective view of the hinge proper. Fig. 6 is a horizontal section on line 6—6 of Fig. 1.

a and *b* indicate, respectively, a jamb and swinging door, the same having a knuckle or table-leaf joint, as shown best in Fig. 6. Horizontal kerfs or slots 1 and 2 are formed adjacently in the meeting edges of the jamb and door. The hinge proper is formed of metal plates (see Fig. 5) having broad flat bodies or shanks 3 and 3^a, which are provided with pendent side flanges 4 and 4^a and circular terminal ears 5 and 5^a formed on the inner or meeting ends of the shanks, and which overlap and are pivotally connected by a rivet 6. The hinge thus constructed is applied by inserting its flat shanks 3—3^a in the opposite kerfs 1 and 2 of the jamb and door, as shown in Figs. 1, 2, 3, so that the pivot is coincident with the axis of the joint between the parts *a* and *b*. Screws 7 are inserted through holes in the pendent side flanges 4 and 4^a, as shown in Figs. 1 and 2, to secure the hinge in place, and thereby connect the door to the jamb so that it is supported firmly, but may be easily detached if required.

It will be understood that the weight of the door is supported by its leaf *b* resting on the ear 5 of the leaf 3 and the latter in turn resting on the underside of the kerf 1 in the jamb *a*.

It will be seen that by the construction and arrangement described there is no crack or vertical opening in the joint between the door and jamb, and the ears of the hinge leaves are flush with the knuckle. This is a feature of importance in practical construction and use.

I claim:

The improved door hinge comprising metal plates having flat circular heads overlapping and pivoted together, and broad flat shanks each having opposite parallel flanges arranged at right angles to the backs of said shanks, and provided with screw-holes, as described.

MELVILLE BOYD CUNNINGHAM.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."