W. MADSEN.

LOCKING HINGE.

APPLICATION FILED JAN. 8, 1914.

1,092,926. Patented Apr. 14, 1914.

Fig. 2

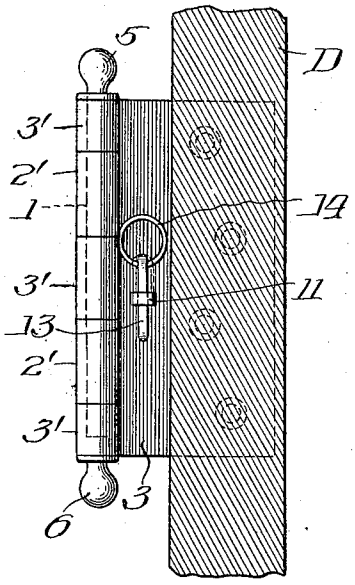


Fig. 1

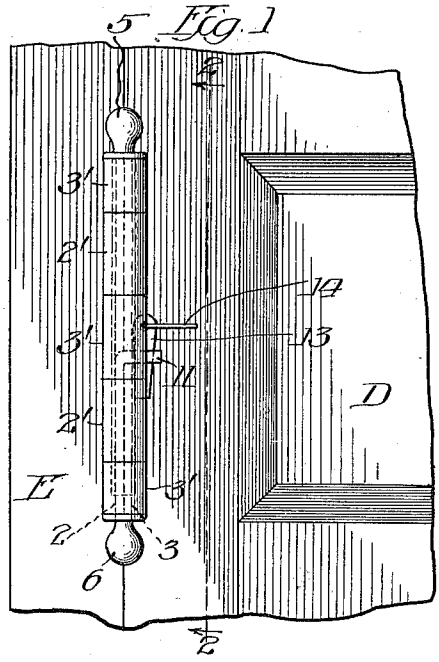


Fig. 4

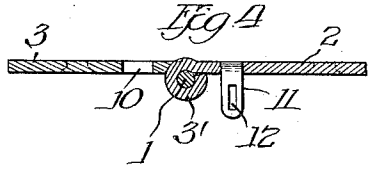


Fig. 3

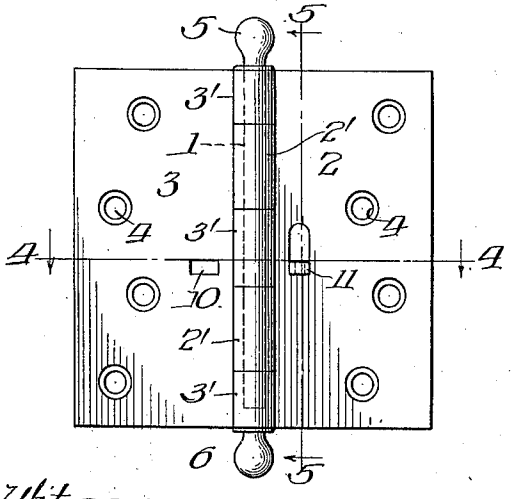
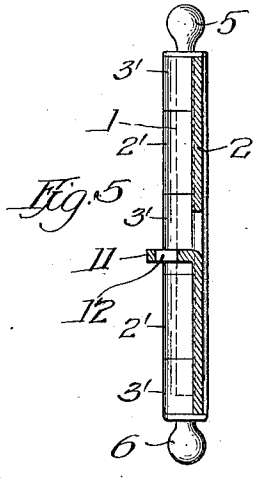


Fig. 5



Witnesses:

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UNITED STATES PATENT OFFICE.

WALDEMAR MADSEN, OF CHICAGO, ILLINOIS.

LOCKING-HINGE.

1,092,926. Specification of Letters Patent. Patented Apr. 14, 1914.

Application filed January 8, 1914. Serial No. 811,008.

To all whom it may concern:

Be it known that I, WALDEMAR MADSEN, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Locking-Hinges; and I do hereby declare that the following description of my said invention, taken in connection with the accompanying sheet of drawings, forms a full, clear, and exact specification, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates generally to improvements in locking hinges, and it consists, essentially, in the novel and peculiar combination of parts and details of construction, as hereinafter first fully set forth and described and then pointed out in the claims.

In the drawing already referred to, which serves to illustrate my said invention more fully, Figure 1 is an elevation of a fragment of a door and frame with my locking hinge attached thereto; Fig. 2 is a vertical section in line 2—2 of Fig. 1; Fig. 3 is a side elevation of my newly improved device; Fig. 4 is a section thereof, in line 4—4 of Fig. 3; Fig. 5 is a section in line 5—5 of Fig. 3.

Like parts are designated by corresponding characters and symbols of reference in all the figures of the drawing.

My object in producing this hinge is the provision of a simple, cheap, and efficient device which may be incorporated in the manufacture of any typical door hinge at no extra cost, which hinge is possessed of means permitting the locking of a door from the inside of a room without resorting to keys or latches of any kind. It is peculiarly adapted to bedroom and bath room doors wherein the keys often become lost and the latches out of order.

To better understand my invention, I now refer to the drawing, Fig. 3 illustrating a typical door hinge having the usual removable pintle 1, frame leaf 2, and door leaf 3, both of these leaves having sundry perforations 4, for the reception of suitable screws, by which said leaves are fastened in place. Along the inner, adjacent edges of leaves 2 and 3 are formed the usual hinge lugs 2′ and 3′ for the reception of the hinge pintle 1, aforesaid. This pintle has a rounded head 5 for ease of withdrawal and purposes of ornamentation, while a similarly ornamented, rounded plug 6 is driven into the lower hinge lug 3′.

Punched through leaf 3 at a point approximately medially of the length of the same, a short distance transversely from central hinge lug 3′, there is an oblong opening 10. In transverse alinement to this opening and adapted to pass therethrough when the hinge leaves are closed together, there is formed on leaf 4 an upstanding lug 11. This lug is produced by being pierced from and bent up at right angles to the plane of the metal of the leaf 4, as readily seen in Fig. 5. Through lug 11 is punched an oblong slot 12, the lower edge of which slot is approximately flush with the back of leaf 3 when both leaves are closed face to face as evidenced in Fig. 1. Into this slot 12 is adapted to freely fit a tapered key 13, sufficiently tapered to enter slot 12 for perhaps half the length. To the upper end of this key 13 is loosely fitted ring 14, by which said key may be hung from pintle head 5 when not in use.

Assuming the hinge as a whole to have been fixed to its respective door D and door frame E, a reference to Fig. 1 will readily show that the door cannot be opened until the key 13 is removed from slot 12 in an entirely obvious manner.

My article may be finished in enamel, brass, nickel, or silver. The key 13 may be attached to pintle head 5 by a light chain so as to eliminate any possibility of loss, when the whole will produce an article of great practicability and usefulness and solve the question of unlockable or lockable doors by reason of mislaid keys.

Having thus fully described my invention, I claim as new and desire to secure to myself by Letters Patent of the United States:—

1. A hinge comprising a pair of hinge leaves having hinge lugs thereon, and a connecting hinge pintle, there being an opening through one of said leaves, a boss on the other thereof, adapted to pass through said opening when said leaves are in contact, and means in connection with said boss preventing the spreading of said leaves.

2. A hinge comprising a pair of hinge leaves having hinge lugs thereon, and a connecting hinge pintle, there being an opening

through one of said leaves, a boss on the other thereof, adapted to pass through said opening when said leaves are in contact, there being an opening through said boss and a key adapted to pass through said opening.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

WALDEMAR MADSEN.

In the presence of—
ANDREW MILLER,
VINCENT NASELLI.

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