

A PIVOT HINGE ASSEMBLY FOR DOOR AND A METHOD OF INSTALLING THE SAME

ABSTRACT OF THE DISCLOSURE

A pivot hinge assembly for door having a wooden door frame comprising:

- 5 i. an upper door hinge having a knuckle flushed with a door mounting plate and a barrel having a latching pin slidable therein, one end of the barrel being flushed with a door mounting plate; wherein
- ii. a lower door hinge including a hinge plate with a knuckle thereon, a L-shaped door mounting bracket having a vertical mounting plate and a horizontal mounting plate,
10 wherein a ball support having a depression to hold a steel ball bearing is mounted on the L-shaped door mounting bracket and is in aligned with the knuckle such that the knuckle is rotatable about the ball support;

wherein the barrel with the latching pin is mounted at the top corner edge of the door frame with the pin protruded above the edge of the door frame, and the knuckle of
15 the upper door hinge is disposed in opposite to but in aligned with the latching pin, the knuckle sat on the pin and is rotatable about the pin within the barrel; wherein the L-shaped door mounting bracket of the lower door hinge is mounted to the lateral wall to hold the door, and the knuckle with the hinge plate is mounted to the bottom edge of the door frame, the hinge leave being rotatably about the ball bearing
20 support on the L-shaped door bracket.

(FIG. 1)