

UNITED STATES PATENT OFFICE.

GUSTAV WINKLER, OF WEST HAMMOND, ILLINOIS.

JOURNAL BOX AND BEARING.

No. 825,689.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GUSTAV WINKLER, a citizen of the United States, residing at West Hammond, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Journal Boxes and Bearings, of which the following is a specification.

This invention relates to journal boxes and bearings, and more particularly to a device for retaining brasses in place within a journal-box.

An object of this invention is to produce novel means for retaining the brass in place, but in addition thereto the provision of novel means for preventing rotation of bolts by which the journal-box is secured to the truss.

Furthermore, an object of the invention is to provide a device of the character noted which is readily applied and removed and in which the securing means are exterior of the journal-box and readily accessible.

A still further object of the invention is to produce a brass-retainer and bolt-lock which will prove efficient and satisfactory in use, of strong and durable construction, and being at the same time comparatively inexpensive to manufacture.

With the foregoing and other objects in view the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully described and specifically claimed.

In describing the invention in detail reference will be had to the accompanying drawings, forming part of this specification, wherein like characters of reference denote corresponding parts in the several views, and in which—

Figure 1 is a view in elevation of a fragment of a truck containing a journal-box attachment embodying the invention. Fig. 2 is a sectional view taken transversely of the journal-box. Fig. 3 is a plan view of the brass-securing device.

In the drawings, A indicates the truss-frame, having parallel portions B overlying the journal-box C, the said journal-box as ordinarily formed being provided with flanges D, between which the ends of the truss extend.

The interior of the journal-box is provided with the usual brass E, which in this instance is recessed at F to form a seat for the retaining member, (to be hereinafter described,) and a suitable wedge G, interposed between the brass and the upper wall of the journal-box.

The upper wall of the journal-box, as well as the wedge, are provided with coinciding apertures in alinement with the recess F.

The brass and bolt retaining device comprises a plate H, having an aperture *h* at each end for the reception of the bolts I, which bolts also pass through the ends of the truss. The plate H is further provided with shoulders *h'* to form seats against which the heads of the bolts abut to prevent rotation of said bolts when the nuts are being applied or removed, the foregoing being a description of the bolt retaining or locking device. The plate is provided with a shank J, having one flat surface *j*, which may be made in such relation to the plate as to engage the truss-bars when a journal-box is used not provided with flanges. Where, however, the flanges are present, the flat surface will stand away from the edges of the truss in order that the shank may clear the said flanges.

The lower end of the shank, as indicated by *j'*, is preferably round in cross-section and extends through the coinciding holes of the journal-box and wedge and is seated in the recess of the brass to retain said brass against displacement.

Having fully described the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a journal-bearing, a journal-box having an aperture, a brass therein having a seat in line with the aperture, a wedge interposed between the brass and box, apertured in line with the aperture of the box, a plate having a shank depending through the box and wedge, the end of said shank being seated in the recess of the brass, and means for holding the plate in position.

2. In a journal-bearing, a truss, a journal-box, a plate apertured to receive bolts by which the journal-box is secured to the truss, said plate having shoulders to engage the heads of the bolts, a brass in the journal-box having a recess, a wedge above the brass, said plate having a shank depending therefrom through the journal-box, and wedge; the said shank being seated in the recess of the brass.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in the presence of two witnesses.

GUSTAV WINKLER.

Witnesses:

A. F. RINDLER,
ADAM ARTHUR.