

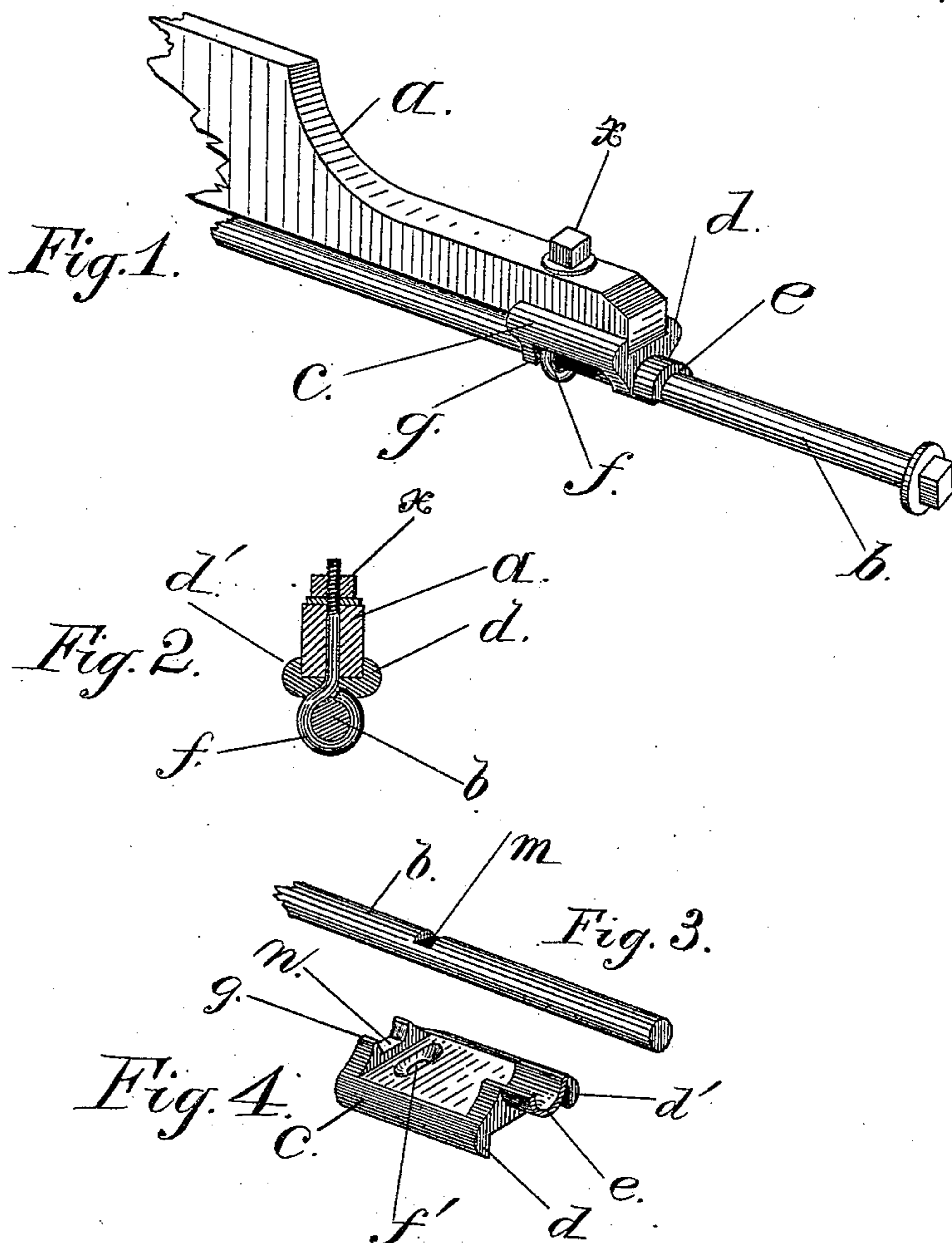
(No Model.)

J. V. ROWLETT.

AXLE FASTENING.

No. 300,738.

Patented June 17, 1884.



Witnesses.
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UNITED STATES PATENT OFFICE.

JACOB V. ROWLETT, OF RICHMOND, IND., ASSIGNOR TO ANNA E. ROWLETT.

AXLE-FASTENING.

SPECIFICATION forming part of Letters Patent No. 300,738, dated June 17, 1884.

Application filed January 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, JACOB V. ROWLETT, a citizen of the United States, residing at Richmond, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Axle-Fastenings; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to that class of axle-clips used to unite an upper and lower axle, the upper axle being of wood and the lower one of metal, or both of metal or wood.

My invention consists in a clip having its lower surface formed to fit upon and receive a round axle, and its upper surface provided with a recess to receive an axle or bracket of rectangular form.

It further consists of an eyebolt through the eye of which the round axle is passed, while the shank of the eyebolt passes upward through the clip and the upper axle, and is provided with screw-thread and nut upon its upper end, by means of which the lower axle, the clip, and the upper axle are firmly united and held in position.

In the drawings, Figure 1 is a perspective view of one end of a vehicle-axle, showing an upper axle, the clip, a lower axle, and the eyebolt and its nut all in working position. Fig. 2 is a vertical cross-section of the same at the center of the eyebolt. Fig. 3 is a perspective view of the axle-arm, showing a lateral horizontal notch in the same. Fig. 4 is a perspective view of the bottom surface of the clip.

In Fig. 1, *a* represents one end of an ordinary axle, which may be of wood or metal. *b* is a round axle, which also may be of metal or wood. *c* is a clip-plate having upward, projecting sides *d d'*, a semicircular projecting flange, *e*, at one end, downward-projecting lugs *g* at the opposite end, forming between them a recess or notch, *n*, and provided with a hole, *f'*, for the insertion of the shank of the eyebolt.

In Fig. 2 the axle *b* is shown within the eye

of the screw-bolt, and the axle *a* is fitted into the recess of the clip-plate *c*, formed by the projecting sides *d d'*, and all held in position by the nut *x*.

In Fig. 3 a notch or recess, *m*, is shown formed in the lower axle, *b*, into which clip-plate *c* is fitted in connection with the notch or recess *n*. The recesses *m* and *n* make a neat, close fit, and prevent all turning and endwise motion of the axle. The semicircular projecting flange *e* forms a shoulder for the hub of the wheel. The eyebolt, by means of eye *f* and the nut *x*, clamps together and firmly holds in contact and in position the upper axle, the clip-plate, and the lower axle, thus forming a simple, cheap, and effective fastening.

The eye of the screw-bolt may be made square instead of round, to accommodate a square axle.

In place of axle *a*, a bracket may be employed, attached to the fifth-wheel, and in either case the bracket or axle and the clip-plate may be cast in one piece.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a vehicle, the combination of the upper axle, the central clip-plate, the lower axle, and the eyebolt by which the two axles are united and held in place, substantially as described.

2. In combination with the axle provided with notch or recess *m*, the clip-plate provided at one end with a lug to fit into said notch, and at its opposite end with a projection against which the wheel abuts, substantially as described.

3. The combination of the axle *b*, provided with the notch *m*, with the clip-plate provided with the downwardly-projecting lugs *g*, whereby the turning and endwise motion of the axle is prevented, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JACOB V. ROWLETT.

Witnesses:

H. A. HALL,

J. H. BLACKWOOD.