June 30, 1931. C. W. GANNETT 1,812,827

ADJUSTABLE AXLE HANGER

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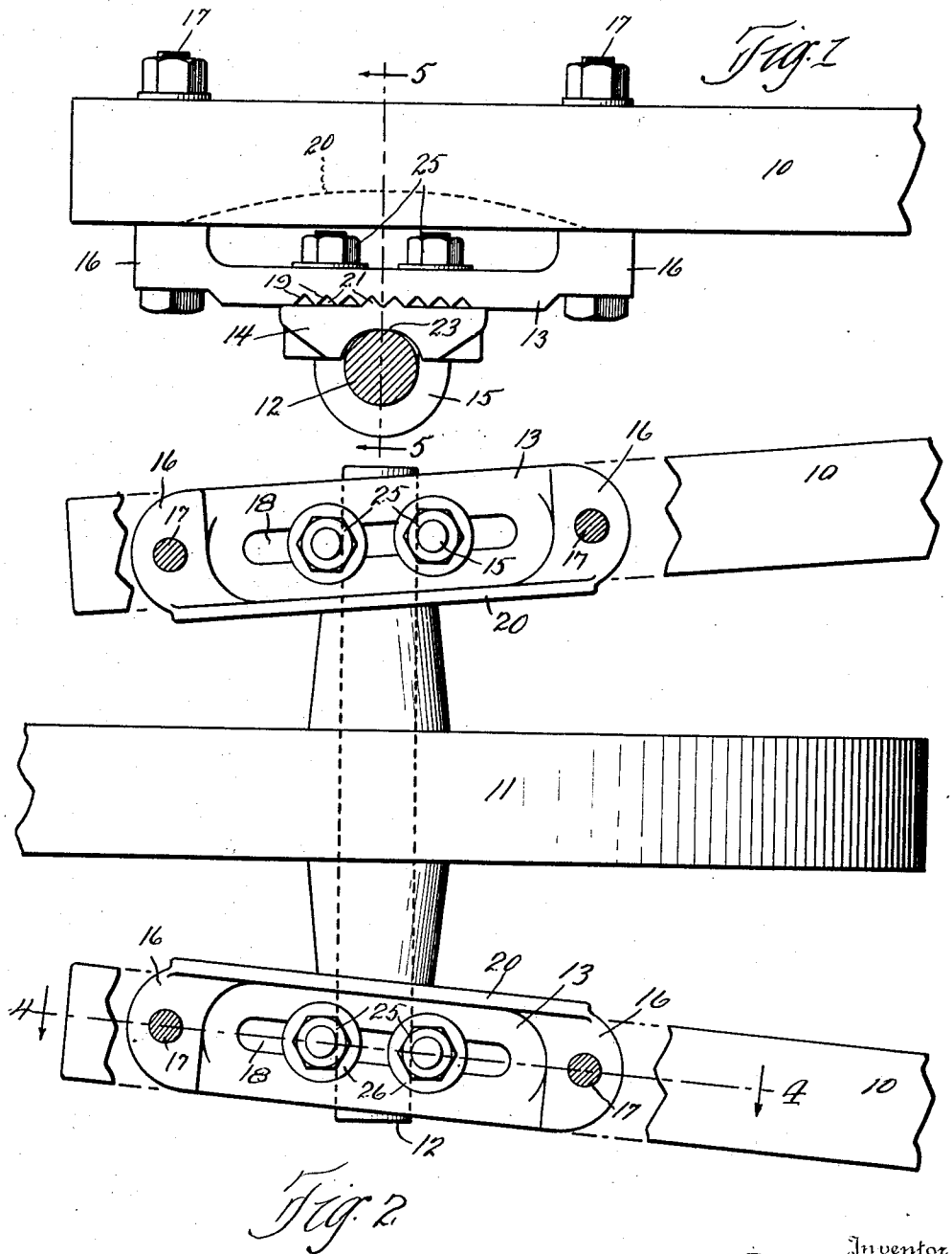



Fig. 1.

Fig. 2.

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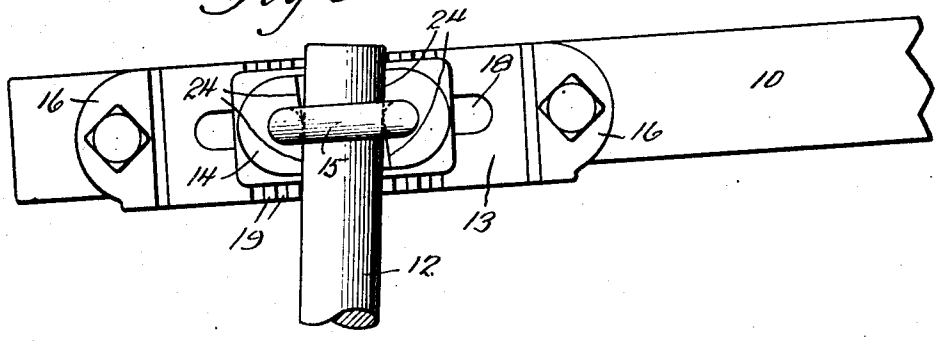
Attorney

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Fig. 3



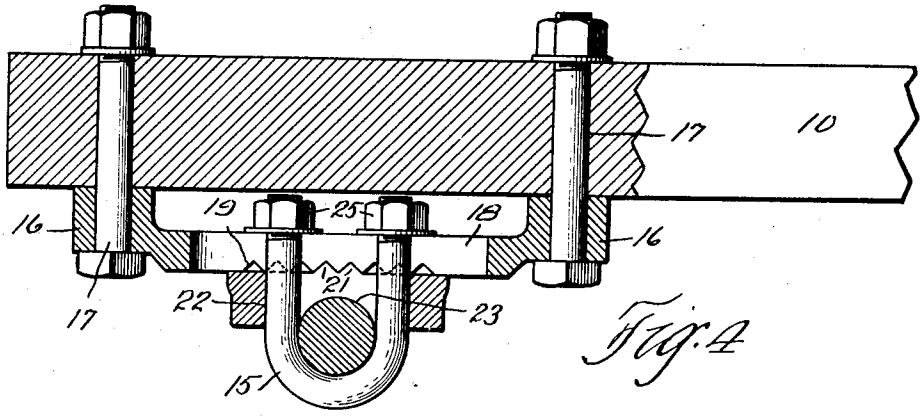




Fig. 4

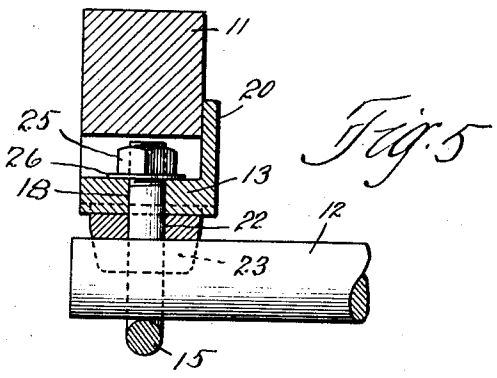



Fig. 5

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# UNITED STATES PATENT OFFICE

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## ADJUSTABLE AXLE HANGER

Application filed May 4, 1928. Serial No. 275,172.

This invention relates to an adjustable hanger more particularly intended for use on wheel barrows but it will be understood that it can be used equally as well upon other types of axled devices.

The object of the invention is to provide a cheap, simple and durable form of an adjustable hanger which will take care of such variations as occur in the manufacture of different styles of the same general form of apparatus and in which substantial accuracy of position can be had.

With these objects in view the invention consists in the novel details of construction and in the manner of combining or arranging the same, all of which will be more fully described hereinafter and pointed out in the appended claims.

In the drawings forming a part of this specification Fig. 1 is a side view of a hanger embodying my invention applied to one of the handles or beams of an ordinary wheel barrow; Fig. 2 is a top plan view (with parts broken away) showing two handles or beams with the wheel between and mounted on an axle secured by my novel form of axle hanger; Fig. 3 is a detail bottom plan; Fig. 4 is a section on the line 4—4 of Fig. 2; and Fig. 5 is a section on the line 5—5 of Fig. 1.

Referring to the drawings 10, 10 indicates the handles or beams of an ordinary wheel barrow, 11 the wheel and 12 the axle on which the wheel turns. This axle 12 is held in place by my improved adjustable hangers, one connected to each handle or beam 10.

Each complete hanger comprises a hanger member 13, a saddle member 14 and a U-bolt 15.

The hanger member 13 is of any desired length and is formed with apertured bosses 16 at each end through which bolts 17 pass to fasten the hanger member to the handle or beam. These bosses also space the hanger from the underside of the handle as shown in Figs. 1 and 4. The hanger member 13 is slotted longitudinally at 18, and its lower face is provided with transverse serrations or grooves 19. A flange 20 is formed at one side of the hanger and contacts with the side of the handle or beam.

The saddle member 14 has transverse ribs 21 upon its upper side which fit into the transverse serrations or grooves 19. The saddle member is also slotted longitudinally as shown at 22, to receive the U-bolt 15. The underside of the saddle member has a transverse axle receiving recess 23 in which the end of the axle 12 fits, the axle thus being held between the saddle member and U-bolt. The sides of the recess 23 are made flaring or oblique as shown at 24 so that one set of saddle pieces can be used interchangeably upon either straight or converging or diverging handles or beams, and the axle will have the proper bearing at opposite points, thereby insuring the stability of the axle connection.

The upper ends of the U-bolt project above the hanger and have nuts 25 applied thereto, washers 26 being interposed to straddle the longitudinal slot in said member. By means of the longitudinal slot and the serrations and ribs, the saddle can be adjusted to any desired position within the range of the slot, and the inclined sides 24 will take care of the angle of convergence or divergence between the handle or beam.

By having the bosses 16 at each end of the hanger, space is provided for turning the nuts on the U-bolt without removing the hanger from the handle. The flange at the side positions the hanger on its handle and also takes some of the thrust.

It will thus be seen that I provide a very simple and durable form of axle hanger which can be quickly and easily applied and also easily adjusted to suit varying conditions.

Having thus described my invention, what I claim is:—

1. In a wheelbarrow, the combination with a wheel and axle, of a pair of saddle members each having an axle receiving recess therein, the sides of each recess flaring outwardly from the central portion thereof, said saddle members being also longitudinally slotted, a pair of longitudinally slotted hanger members to which said pair of saddle members may be adjustably secured, and a pair of U bolts passing through the saddle and the hanger members respectively and providing bearings for the opposite ends of said axle.

2. In a wheelbarrow, a pair of handle beams, a wheel and wheel axle, a pair of saddle members each having an axle-receiving recess therein, the sides of the recess flaring outwardly with respect to the axis of the axle, a pair of hanger members secured to the lower side of the handle beams and to which the said saddle members may be longitudinally adjustably secured, a slot in each hanger member disposed longitudinally of the handle beams, a pair of hook bolts the hook portion of which embraces an end portion of the axle and clamps it upon the saddle member, and the shank of which passes through the saddle member and through the slot of the hanger and terminates under the handle beam.

3. In a wheelbarrow, a pair of handle beams, a wheel and a wheel axle, means associated with the two ends of the axle for securing them to the handle beams respectively, the means at at least one of the ends of the axle comprising an axle-receiving saddle member having a recess therein for the axle, the sides of the recess flaring outwardly with respect to the axis of the axle, a hanger member secured to the lower side of the handle beam to which said saddle member may be longitudinally adjustably secured, a longitudinal slot in the hanger member, a hook bolt the hook of which embraces the end of the axle and clamps it upon the saddle member, the shank of which passes through the saddle member and through the slot of the hanger member and terminates under the handle beam, and a nut on the shank between the hanger and the handle beam.

In testimony whereof, I hereunto affix my signature.

CHAUNCEY W. GANNETT.