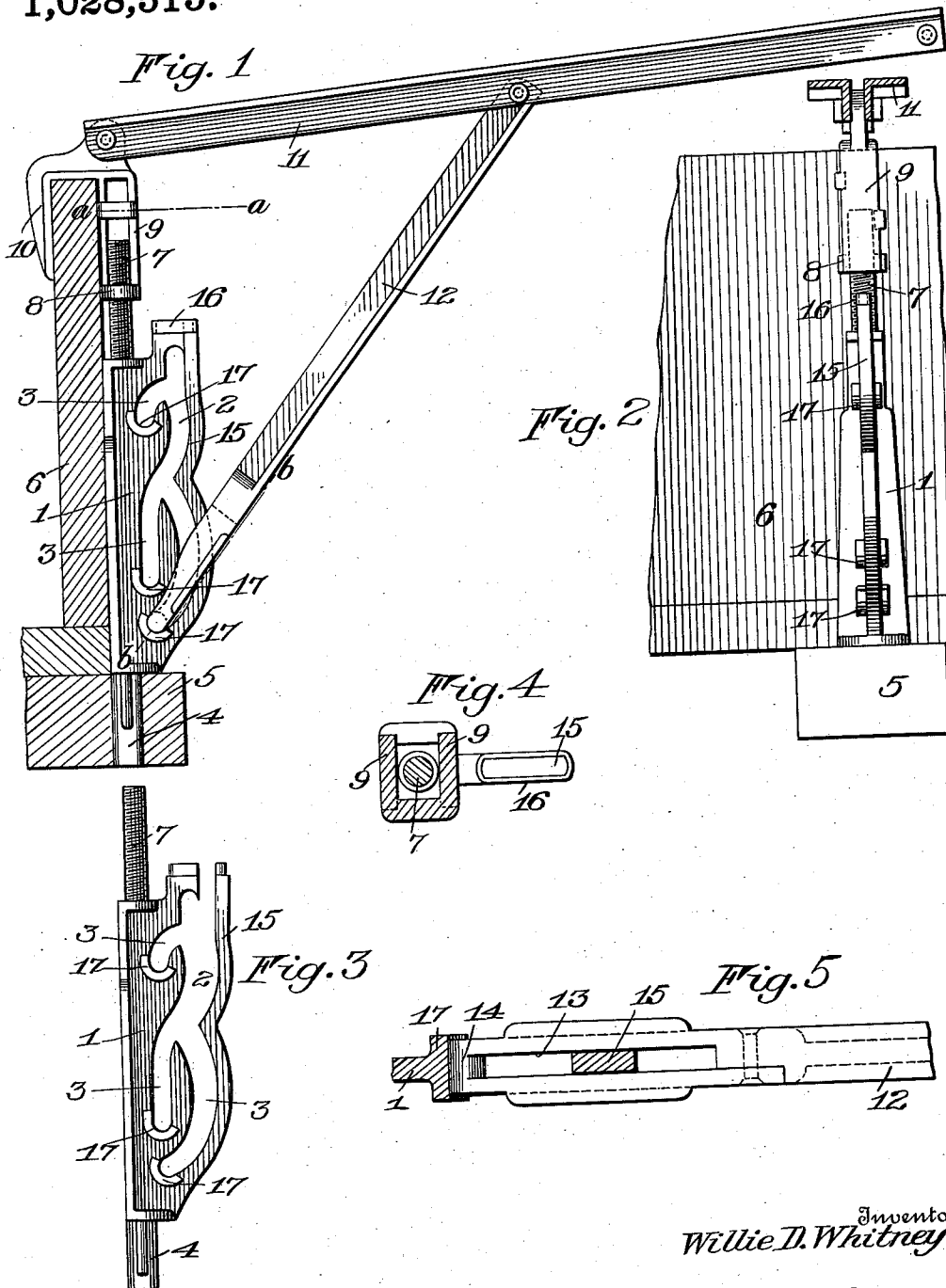


W. D. WHITNEY.
ADJUSTABLE BRACKET.
APPLICATION FILED APR. 7, 1911.

Patented June 4, 1912.

1,028,515.



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UNITED STATES PATENT OFFICE.

WILLIE D. WHITNEY, OF HOLLEY, NEW YORK.

ADJUSTABLE BRACKET.

1,028,515.

Specification of Letters Patent.

Patented June 4, 1912.

Application filed April 7, 1911. Serial No. 619,513.

To all whom it may concern:

Be it known that I, WILLIE D. WHITNEY, of Holley, in the county of Orleans, State of New York, have invented certain new and useful Improvements in Adjustable Brackets; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

The present invention relates to an adjustable bracket, and is particularly adapted for use in connection with wagon racks employed for adjusting the sides of a wagon to utilize the latter for transporting hay, wood, grain, or stock, the object being to provide a construction which may be readily assembled, and possessing the necessary strength at the points where the greatest strains are exerted.

To these and other ends the invention consists in certain improvements and combinations of parts all as will be hereinafter more fully described, the novel features being pointed out in the claims at the end of the specification.

In the drawings: Figure 1 is a view in side elevation illustrating the invention as applied to the side of a wagon box; Fig. 2 is a view in end elevation of the bracket in position on the wagon box, with parts broken away; Fig. 3 is a detail view in elevation of the bracket standard; Fig. 4 is a sectional view on the line *a-a* of Fig. 1, and Fig. 5 is a sectional view on the line *b-b* of Fig. 1, and showing a slight modification.

Similar reference numerals throughout the several figures indicate the same parts.

The invention, as illustrated in the present embodiment, is employed in connection with a standard 1 having a vertically extending slot 2 with branches 3 leading therefrom for the purpose of supporting the bracket arm in any one of several positions, as will appear more clearly hereinafter. The standard 1 carries a downwardly extending pin or projection 4 which engages an opening in the cross piece 5 of the wagon body, 6 designating a side wall of the wagon box. At the upper end of the standard 1 is provided a threaded post or stem 7 which is engaged by a collar 8 mounted at the lower end of the arms 9 which carry a hook 10 for engagement with the side wall 6 of the wagon box.

Pivottally attached to the arms 9 is the bracket arm 11 which supports the wagon rack in any one of its several adjusted positions, according to whether it is to be utilized for transporting hay, grain, wood, or stock, as the case may be. The arm 11, in the present embodiment, comprises a pair of angle irons to which is pivottally mounted the brace 12 which is formed with a slot 13 and an integral, curved end portion 14, as shown in Fig. 5. It is very essential, in a device of this character, that the brace be of one piece, in order to afford the necessary strength at the bearing point, and in order to enable the parts to be assembled so that the brace may engage the slotted portion of the standard, there is provided on the standard a movable or separable member, which, in the present embodiment, consists of a flange 15, separated at its upper end from the body portion of the standard, and arranged to be sprung away from the body portion a distance sufficient to permit the insertion of the end portion of the brace into the slot 2. The flange may then be sprung back to its original position, and is held in place in any suitable manner as, for instance, by the metal band 16.

In order to afford an extended bearing for the supporting end of the brace in its adjusted positions, the standard is provided with enlargements, or laterally extending flanges 17 at the base of the slots 3, the enlargements being curved to conform to the shape of the end portion of the brace, and affording a substantially semi-circular bearing extending the width of the end portion of the bracket, as shown in Fig. 5. In this way a broad support is afforded for the brace, and the latter is firmly held in the desired adjustment, and capable of maintaining any load.

When the bracket is employed in connection with wagon boxes, as herein illustrated, it is sometimes desirable to adjust the standard to different heights, in accordance with the different sized boxes, and to this end the member 9 may be moved upwardly or downwardly on the threaded post 7, previously described, so that the hook 10 may engage the upper edge of the side wall of the box at different elevations. While the invention is described in connection with a wagon rack, it will be understood that it is susceptible of other uses with equal facility.

By the invention described, there is

afforded a most practicable device for the particular purposes for which it is designed, and one which may be quickly assembled and readily applied for use, the parts being
5 so constructed as to withstand any unusual strains to which it may be subjected without weakening the structure in any of its parts.

Instead of constructing the standard with
10 a separable member, as described, I may form the separable member on the brace, as shown in Fig. 5. The separable part may be sprung away from the brace and is held by a rivet or other suitable means, after the
15 brace is assembled on the standard. This enables the standard to be constructed with an unbroken slot.

I claim as my invention:

1. The combination with a standard hav-
20 ing a plurality of communicating slots terminating in different horizontal planes, of an arm pivotally connected to the standard, a brace pivotally mounted on the arm and provided with an integral end portion ar-
25 ranged to move in the slots of the standard,

and enlargements formed on the standard at the ends of the slots for supporting the end portion of the brace, the standard including a body portion and a member separable from the body portion, and a securing
30 device for holding the member in engagement with the body portion.

2. The combination with a standard having a plurality of communicating slots terminating in different horizontal planes, of
35 an arm pivotally connected to the standard, a brace pivotally mounted on the arm, the standard including a body portion and a member separable from the body portion and the brace being slotted and having an
40 integral end portion for coöperative engagement with the separable member, and a securing device for holding the separable member in engagement with the body portion of the standard.

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Witnesses:

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