

S. W. BRUNDAGE.
PIVOTAL SUPPORT.
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1,059,825.

Patented Apr. 22, 1913.

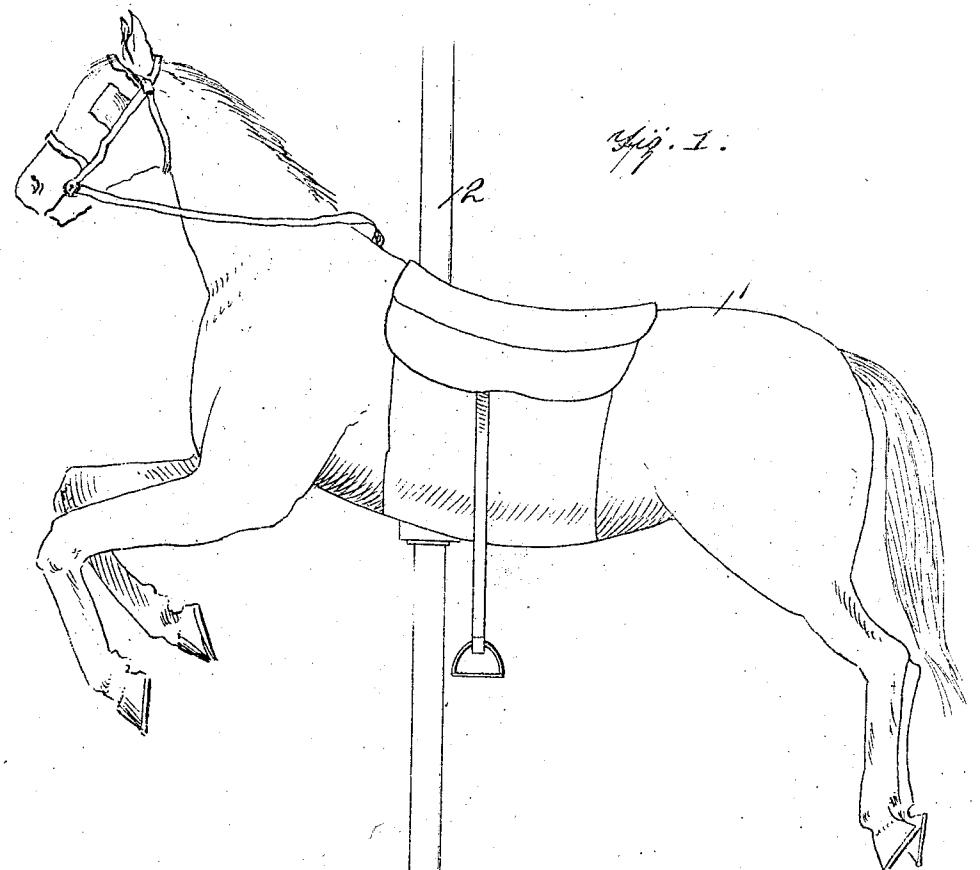


Fig. 1.

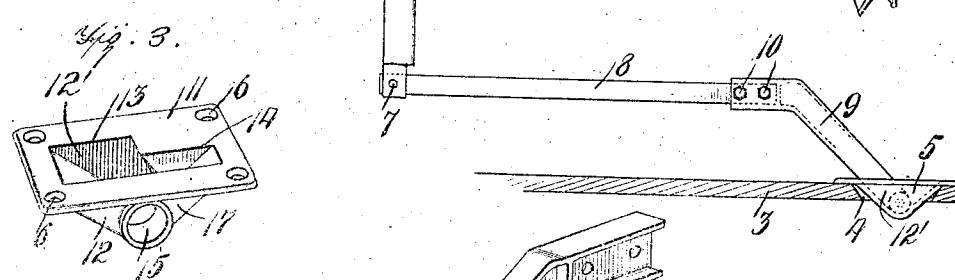
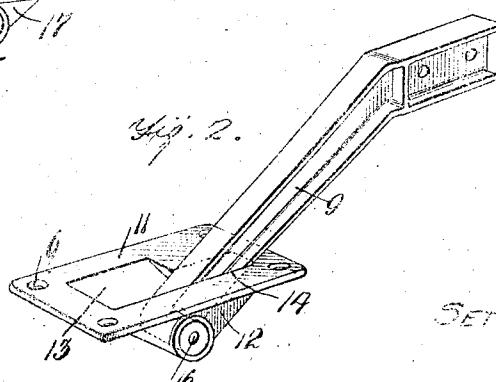


Fig. 3.

Fig. 2.



WITNESSES

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PIVOTAL SUPPORT.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SETH W. BRUNDAGE, a citizen of the United States, and a resident of Herington, in the county of Dickinson 5 and State of Kansas, have invented a new and Improved Pivotal Support, of which the following is a full, clear, and exact description.

This invention relates generally to pivotal supports, and more particularly is directed to a new structure especially adapted for use on carousels or merry-go-rounds.

The principal object of the invention is the provision of a new and improved pivotal support adapted for use in a variety of different mechanisms, being particularly designed, however, to provide a pivotal mounting which may be easily dismantled in a short space of time.

Reference is to be had to the accompanying drawings forming a part of this specification, in which like characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a side view of a figure carried by a carousel adapted to have up-and-down movement, and provided with the said pivotal support; Fig. 2 is a perspective view showing the co-operated pivotal parts; while 30 Fig. 3 is a perspective view of the support itself.

The pivotal support or mounting herein described and claimed is especially adapted for use in carousels, a portion of such a structure being shown and embodying a figure 1 mounted on a vertically extending rod 2, the figure being adapted to seat a person who will have an up-and-down movement during operation of the machine.

The floor or platform 3 of the carousel is provided with a suitable opening 4 extending therethrough, into which the support 5 is entered, being secured on said floor or platform in any suitable manner, as by 45 means of screws entering openings 6 in the said support. Movably mounted within the support and pivotally engaged at 7 with the lower end of the vertical rod 2, is a lever 8 having a removable end 9, these parts being secured in position in any desirable manner, as by 50 means of removable bolts and nuts 10.

The support preferably comprises an integral element having a horizontally extending portion 11 and a downwardly extending

ear 12; within the said horizontally extending portion is an opening 13 having a pocket 14 communicating therewith, it being noted that the pocket is of substantially less width than the opening, the pocket being adapted to receive the said end portion 9 of the lever 8. The said ear 12 is provided with an opening 15 which forms a bearing adapted to receive the offset pin or stub shaft 16 carried adjacent the lower end of the part 9 of the lever, so that relative movement of the support and the lever is permitted through a certain angle, the lever being securely held in position due to the constricted width of the pocket 14.

Fig. 2 sets forth the operative relation of the parts, and in order to separate them in the dismantling of the carousel the said bolts 10 are removed, after which the end portion 9 of the lever 8 may be moved adjacent the opening 13 in the support and to the opposite side thereof within this opening 13, the stub shaft 16 being then freely movable out of the said bearing 15. The parts are assembled in the reverse manner, it being noted that while the structure is exceedingly simple, separation of the parts when they are in the position shown in Figs. 1 and 2 is prevented, due to the fact that the side walls of the pocket 14 engage opposite sides of the end 9 of the lever, thereby preventing withdrawal of the pin or stub shaft 16 from the bearing.

The support may be modified in that a plurality of such ears 12, 12' may be provided adjacent opposite sides of the horizontally extending portion 11, there being a continuous and angularly extending cross piece 17 between the ears, thereby forming a closed pocket. Of course, either form is equally applicable for the purpose for which it is designed.

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

1. A pivotal support comprising a horizontally extending member with an opening therein, an ear extending from one side of the said member adjacent the opening, the ear being provided with a bearing, in combination with a lever having an offset pin adapted to enter the said bearing.
2. A pivotal support comprising a horizontally extending member having an open-

ing formed therein and a pocket communicating therewith, the widths of the pocket and opening being unequal, an ear extending from the under side of said member and provided with a bearing, in combination with a lever having an offset pin thereon entering the bearing, the said lever being movable between the side walls of the said pocket and in such position being held 10 against separation.

3. As a new article of manufacture, a bearing comprising a horizontally extending member having an opening formed therein, a pocket communicating with the opening, 15 the said pocket being of less width than the opening, and an ear extending from one side

of the said member and provided with an opening which forms a bearing.

4. The combination of a support having an ear extending from the under side, and 20 provided with an opening forming a bearing, the support being provided with a pocket, and a lever having an offset pin contained in the pocket, the pin engaging in the said bearing. 25

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SETH W. BRUNDAGE.

Witnesses:

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