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A. SPILLMAN

HORSE SUPPORTING DEVICE FOR MERRY-GO-ROUNDS

Filed July 3, 1924

Fig. 1.

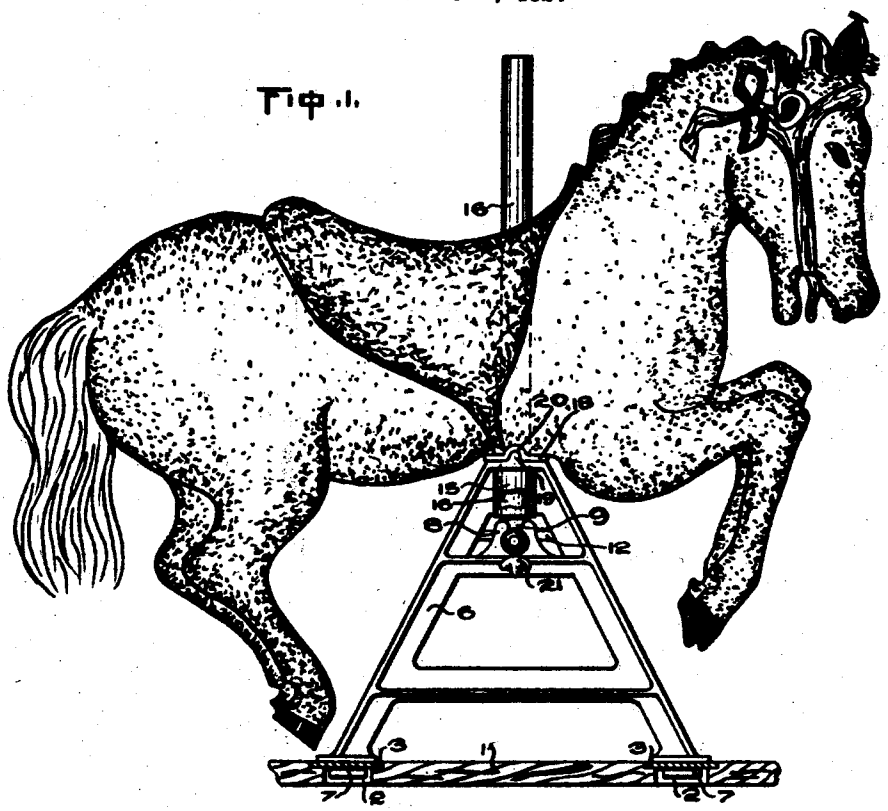
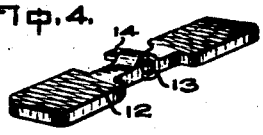
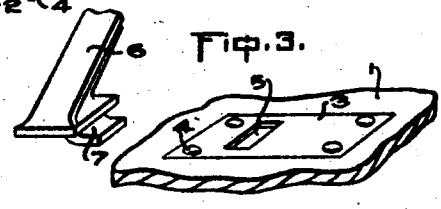


Fig. 4.





INVENTOR
Albert Spillman.
BY Atherton, Lang & Co
ATTORNEYS.

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ALBERT SPILLMAN, OF NORTH TONAWANDA, NEW YORK.

HORSE-SUPPORTING DEVICE FOR MERRY-GO-ROUNDS.

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My invention relates to improvements in horse supporting devices for merry-go-rounds and the object of the inventon is to devise a simple and effective means for detachably mounting the horses on the platform of the merry-go-round so that they can be readily removed therefrom when required as is necessary in portable types of merry-go-rounds.

A further object is to devise a horse supporting frame which can be secured to the merry-go-round platform by the tightening of a single nut.

A still further object is to devise a frame capable of carrying a plurality of horses.

My invention consists of a supporting device constructed and arranged all as hereinafter more particularly described and illustrated in the accompanying drawing in which:

Fig. 1 represents a side elevation of my supporting device, showing it applied to the platform, the latter being shown in section.

Fig. 2 is a rear elevation of my supporting device, the platform being shown in section.

Fig. 3 is a perspective detail of one of the foot plates which are secured to the merry-go-round platform, also a broken away portion of one of the feet of my horse supporting frame, such feet being applied to the foot plates.

Fig. 4 is a perspective view of one of the foot rests which are mounted on my horse supporting frame.

Like characters of reference indicate corresponding parts in the different views.

1 is the merry-go-round platform. 2 are four slots extending therethrough, each pair being tangentially arranged to imaginary inner and outer circles, the centre of which is the centre of the merry-go-round. 3 are plates imbedded in the upper face of the platform about the slots 2, and secured thereto by means of the bolts 4. 5 are slots in the plates 3, each pair being tangentially arranged to the imaginary circles before mentioned.

6 are a pair of inner and outer A shaped frames, the feet of which are provided with downwardly and laterally extending hook members 7, the hook members on the outer frame being adapted to enter the slots in the outer pair of foot plates 3, and the hook members on the inner frame to enter the slots 5 in the inner pair of foot plates 3. 8 are inwardly and upwardly extending brackets provided on the opposite faces of the frames 6 in the vicinity of their apexes, and 9 are downwardly extending slots in the upwardly extending ends of the brackets.

10 is a tie rod threaded on both ends, and having the nuts 11 screwed thereon, the rod being dropped into the slots 9 and extending from bracket to bracket as is shown in Fig. 2.

My device is provided with foot rests 12 having lateral orifices 13 extending therethrough and adapted to receive the rod 10. 14 are lugs provided on the faces of the foot rests which abut the upwardly extending ends of the brackets 8, and are adapted to enter the slots 9, and so prevent the foot rests rotating about the tie rod 10.

15 are socket members provided in the apexes of the A shaped frames 6, and 16 are standards preferably of tubular form and adapted to extend through the bodies of the horses and provided with plates 18 for holding the horses thereon. 19 are lugs on the upper faces of the socket members 15, and 20 are corresponding indentations in the plates 18 into which the lugs 19 enter and so keep the horses in their aligned position. 21 are steps provided on the outer faces of the frames 6.

To erect the horses it is only necessary to place the inner and outer A shaped frames 6 upon the respective inner and outer pairs of plates 3, so that the hooks 7 enter the slots 5. The tie rod 10 is then dropped into the slots 9 in the brackets 8, the lugs 14 on the foot rests 12 also entering such slots. By tightening up one of the nuts 11 on the tie rod 10, the A shaped frames 6 are drawn towards each other thus firmly locking the hook members 7 in the slots 5. The horses are now mounted on the frames by dropping the lower ends of the standards 16 into the sockets 15, the plates 18 engaging the upper faces of such sockets, and the lugs 19 entering the indentations 20.

To dismount the horses this operation is reversed. The slackening of one of the nuts 11 permits the tie rod 10 to be removed and the hook members 7 disengaged from the slots 5 in the plates 3.

From the above description it will be apparent that I have devised a simple and effective horse supporting device for merry-go-rounds, which will rigidly support the

horses and which can be readily attached to and detached from the platform with the minimum of trouble.

What I claim as my invention is:

1. In a horse supporting device for merry-go-rounds, the combination with the merry-go-round platform, of a pair of frames engaging the platform, a horse being adapted to be mounted on each frame, a rod extending between the frames, and foot rests mounted on the rod for assisting the passengers to maintain their positions upon the respective horses.

2. In a horse supporting device for merry-go-rounds, the combination with the merry-go-round platform, of pairs of frames standing on and adapted to be detachably secured to the platform, a pair of inwardly and upwardly extending brackets having open ended slots in the upwardly extending portions, a bracket being positioned upon the inner face of each frame, a tensioning rod adapted to extend between the upwardly extending portions of the brackets being inserted into the slots therein and tensioning means on the rod adapted to engage the upwardly extending portions of the brackets.

3. In a horse supporting device for merry-go-rounds, the combination with the merry-go-round platform, of pairs of frames standing on and adapted to be detachably secured to the platform, a pair of inwardly and upwardly extending brackets having open ended slots in the upwardly extending portions, a bracket being positioned upon the inner face of each frame, a tensioning rod adapted to extend between the upwardly extending portions of the brackets being inserted into the slots therein, foot rests mounted upon the rod and each having a lug upon one face adapted to enter one of the slots in the bracket and so prevent the rotation of the foot rests upon the rod.

4. In a horse supporting device for merry-go-rounds, the combination with the merry-go-round platform, of frames secured to the platform, socket members in the frames, horse supporting standards stepped into the socket members, plates on the horse supporting standards, and means on the socket members engaging the plates for holding the horse supporting standards against rotation in the socket members.

5. In a horse supporting device for merry-go-rounds, the combination with the merry-go-round platform, of pairs of frames engaging the platform, socket members in the frames, detachable means connecting the frames of each pair, horse supporting standards stepped into the socket members, indented plates secured to the horse supporting standards, and lugs on the socket members engaging the indentations in the plates.

ALBERT SPILLMAN.