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H. MEISTER

ROCKING HORSE

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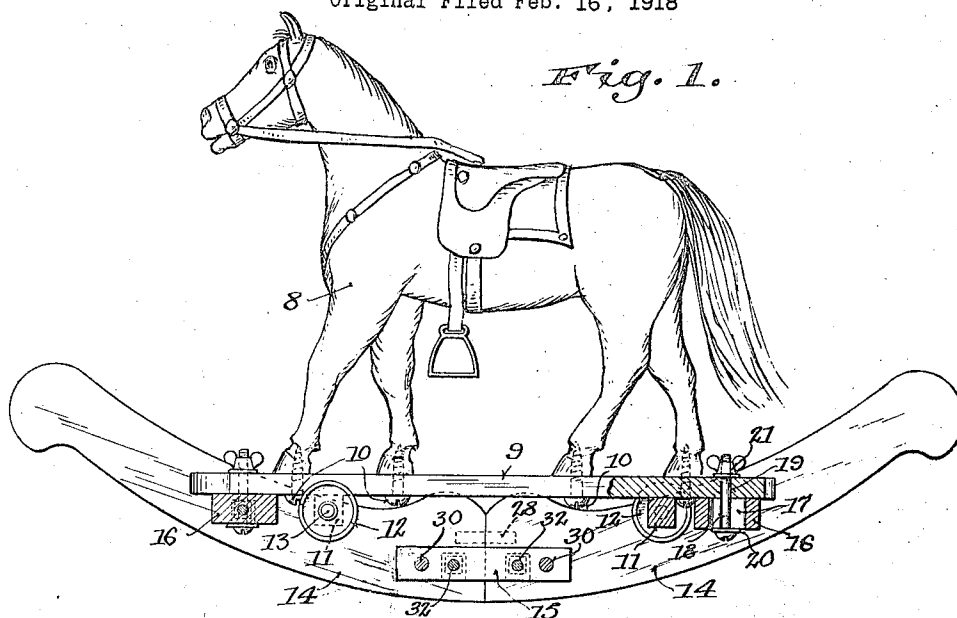
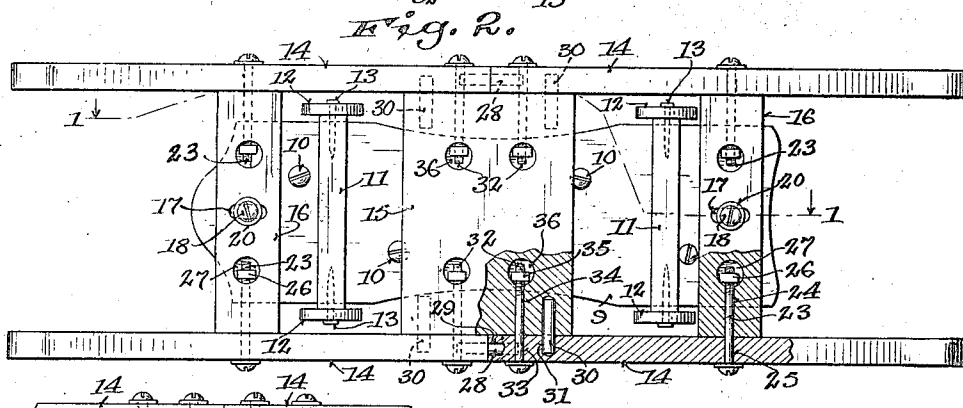
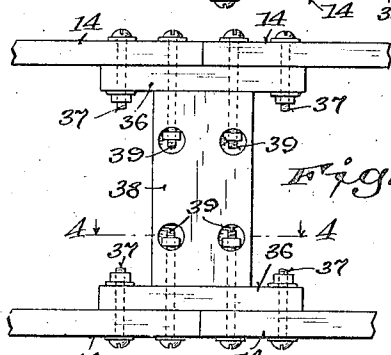
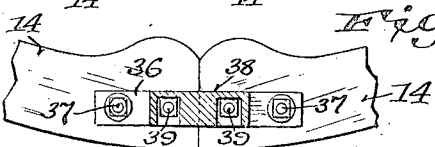
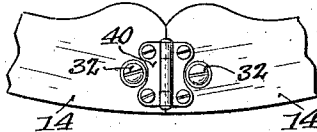
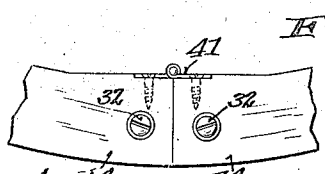


Fig. 7.

Inventor
Herman Meister
By Worsell, Keamy & French
Attorneys.

UNITED STATES PATENT OFFICE.

HERMAN MEISTER, OF MILWAUKEE, WISCONSIN, ASSIGNOR, BY MESNE ASSIGNMENTS,
TO B. G. EDGERTON, OF OCONOMOWOC, WISCONSIN.

ROCKING-HORSE.

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To all whom it may concern:

Be it known that I, HERMAN MEISTER, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee, and State of Wisconsin, have invented new and useful Improvements in Rocking-Horses, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

The invention relates to toys and more particularly to rocking horses or hobby horses as they are sometimes called.

One of the objects of this invention is to provide a toy of this kind wherein the horse is mounted upon a wheeled support which is detachably secured to the rocker so that the toy may be used as a rocking horse or as a vehicle which may be pushed about the floor by the child sitting on the horse.

A further object of this invention is to improve toys of this kind by providing a knockdown rocker, the parts of which can be readily packed into small space for ready shipment.

A further object of the invention is to provide a rocker, comprising side rocker members, each of which is composed of separate parts which are detachably but securely joined together and which may be readily placed in knocked-down condition.

Another advantage of making the rocker members in two parts is that they may be cut so that the grain of the wood runs lengthwise and thus prevent liability of breaking off the ends which happens in the case of a rocker member made in one long continuous piece.

The invention further consists in the several features hereinafter set forth.

In the drawings:

Fig. 1 is a view of a toy horse embodying the invention taken on the line 1—1 of Fig. 2;

Fig. 2 is a bottom view of the device, parts being broken away and parts being shown in section;

Fig. 3 is a detail view of a modified form of frame connection between the rocker elements;

Fig. 4 is a section taken on the line 4—4 of Fig. 3;

Fig. 5 is a detail view of a modified form of connection between the parts of one of the rocker members;

Fig. 6 is a detail view of another form of connection between the parts of one of the rocker members.

In the drawings, the numeral 8 designates the horse which is mounted upon a supporting platform 9 and secured thereto by any suitable fastening means as screws 10. Transverse members 11 are secured to said platform 9 and carry wheels 12 at their ends mounted upon pins 13.

The knockdown rocker comprises two part rocker members 14 secured in spaced relation by a central transverse frame member 15 and end frame members 16.

The end frame members 16 consist of blocks having medially disposed elongated slots 17 therein for adjustably receiving bolts 18 which pass through apertures 19 in the platform 9, the blocks and platform being removably secured together by said bolts provided with washers 20 and wing nuts 21. When the base or platform 9 is secured or mounted on the end frame or spacing members 16, it assists in rigidly supporting and bracing the rocker members 14. This is a very desirable feature, especially when the rocker members are constructed of separable parts connected together. The wheeled platform also functions to connect and strongly brace the legs of the horse, so that the platform and horse can be removed from the rockers and used independently thereof as a wheeled toy without risk of the legs of the horse being broken in rough handling as there would be if they were not braced and connected by the base or platform. Each of these blocks is bolted to the rocker members 14 by bolts 23 passing through apertures 24 in said blocks and apertures 25 in said rocker members and provided with nuts 26 disposed in recesses 27 in said blocks at the inner ends of the apertures 24.

In the preferred construction, each of the two part rocker members 14 is made of two similar separate parts detachably joined together by dowel pins 28 secured at the inner end to one of the parts and fitting in apertures 29 in the inner end of the other part.

In addition to being braced and connected together by the end frame members 16, these two part rocker members are detachably connected and braced through the

transverse frame member 15 by means of dowel pins 30 secured to the member 15 and fitting in apertures 31 adjacent the ends of each one of the parts of the two part rocker members and by means of bolts 32 passing through apertures 33 in each of the parts of the rocker members and through apertures 34 in the member 15 to which they are secured by nuts 35 disposed in recesses 36 in said member 15. It will be seen, therefore, that the central block or frame member 15 acts as a combined spacing and connecting means. The parts of each rocker member are first joined together by dowel pins 28 and apertures 29 in the inner ends. The block 15 is now placed in position and the joined ends of the rocker member parts are connected thereto by bolts 32 and dowel pins 30. The joined ends of the rocker member parts are therefore rigidly and firmly connected together by most effective connecting joints while the rocker members are also firmly held in spaced relation.

In Fig. 3 I have shown a somewhat different connection for securing the parts of the rocker members together and for connecting said spaced apart members together. In this instance the parts of each rocker member are joined together by connecting blocks 36 and bolts 37 passing through said blocks and the parts of said members, and a central frame member 38 is secured to said rocker members and said blocks 36 by bolts 39 which are disposed in the member 38 in a manner similar to that of the member 15 as will be apparent from the drawings.

Instead of making the parts of the rocker members separable, I may secure them together by a hinge 40 in the side as shown in Fig. 5 or by a hinge 41 on the top as shown in Fig. 6.

In the construction shown in Figs. 1 to 4 inclusive, the parts of the rocker members are first secured together and then the rocker members are secured to the frame members 16 by the bolts 23 and to the frame members 15 or 38 by the bolts 32 or 39.

In the constructions shown in Figs. 5 and 6 as the parts of the rocker members are already secured together by the hinges, the rocker members are secured to the frame members 15 and 16 by the bolts 23 and 32.

In either case the platform is then mounted upon the rocker frame and secured thereto by the bolts 18 and nuts 21 though the horse may be removed from the rocker frame at any time and moved about on the wheels 12.

As the rocker members are divided in two and the frame members are detachably secured to these rocker members, the rocker frame may be readily dismantled and shipped or carried in knockdown condition and also the rocker members may be cut out of a piece of wood so that the grain runs

lengthwise of each part of the rocker member and thus prevent liability to breakage in shipment or in use.

With this construction with the parts assembled the child can sit astride of the horse and rock back and forth on the platform; or the horse may be removed from the rocker frame and the child sitting astride the horse may move around with the aid of the wheeled platform.

What I claim as my invention is:

1. In a toy, a rocker frame comprising two-part rocker members, means for detachably securing the parts of each rocker member together, end blocks, means for detachably securing said rocker members to said end blocks, a central frame member disposed adjacent the adjoining parts of each of the two-part rocker members, and means for detachably securing the parts of each rocker member to said central frame member.

2. A rocking horse comprising a toy horse, a platform upon which said horse is mounted, two-part rocker members, means for detachably securing the parts of each rocker member together, end blocks, means for detachably securing said platform thereto, means for detachably securing said rocker members to said end blocks, a central frame member disposed adjacent the adjoining parts of each of the two-part rocker members, and means for detachably securing the parts of each rocker member to said central frame member.

3. In a toy, a rocker frame comprising rocker members, and transverse frame members, each rocker member being composed of two parts, dowel pins joining the inner end of said parts together, and bolts joining the parts of each of the rocker members to the transverse frame members.

4. A rocking horse comprising, in combination, a toy horse, a platform upon which said horse is mounted, rocker members, end blocks, means for detachably securing said platform thereto, means for detachably securing said rocker members to said end blocks, a central frame member disposed intermediate said end blocks and means for detachably securing said rocker members to said central frame member.

5. A rocking horse comprising, in combination, a toy horse, a platform upon which said horse is mounted, rocker members, spacing blocks for maintaining the rocker members in spaced relation, means for detachably securing said rocker members to said spacing blocks and means for detachably securing said platform to said spacing blocks.

6. A rocking horse comprising, in combination, a toy horse, a platform upon which said horse is mounted, rocker members each composed of separable parts, means for detachably securing the parts of each rocker

member together, detachable means for maintaining the rocker members in spaced relation and means for detachably securing said platform to such spacing means.

5 7. A rocking horse comprising, in combination, rocker members each composed of separable parts, means for detachably joining the parts of each rocker member together, combined spacing and connecting
10 means abutting the joined parts and detachably connected thereto, whereby the rocker member parts are rigidly connected together and the rocker members maintained in spaced relation, a toy horse and means for
15 mounting said horse on said rocker members.

8. A rocking horse comprising, in com-

bination, rocker members each composed of separable parts, means for detachably joining the parts of each rocker member together, a combined spacing and connecting
20 block lapping the joined parts and detachably connected thereto whereby the rocker member parts are rigidly connected together and the rocker members maintained in spaced relation, end spacing blocks de-
25 tachably connected to said rocker members, a toy horse, a platform upon which said horse is mounted and means for detachably securing said platform to said end spacing
30 blocks.

In testimony whereof, I affix my signature.

HERMAN MEISTER.