

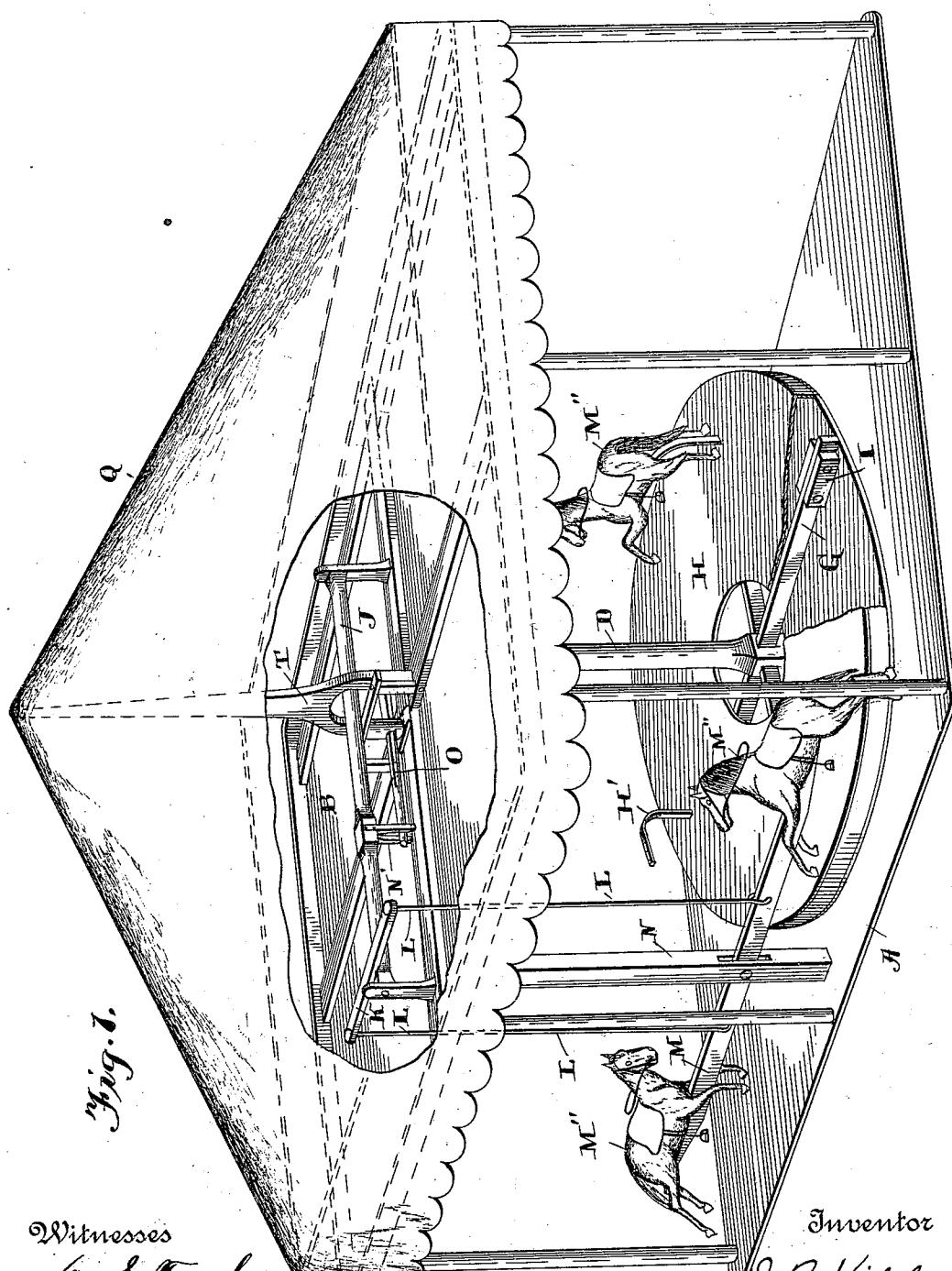
(No Model.)

2 Sheets—Sheet 1.

J. R. KIDDER.  
MERRY-GO-ROUND.

No. 544,230.

Patented Aug. 6, 1895.



Witnesses

Geo. C. Frech.

James W. Berard

Inventor

J. R. Kidder

By Attorney, *Fattiam & Neist.*

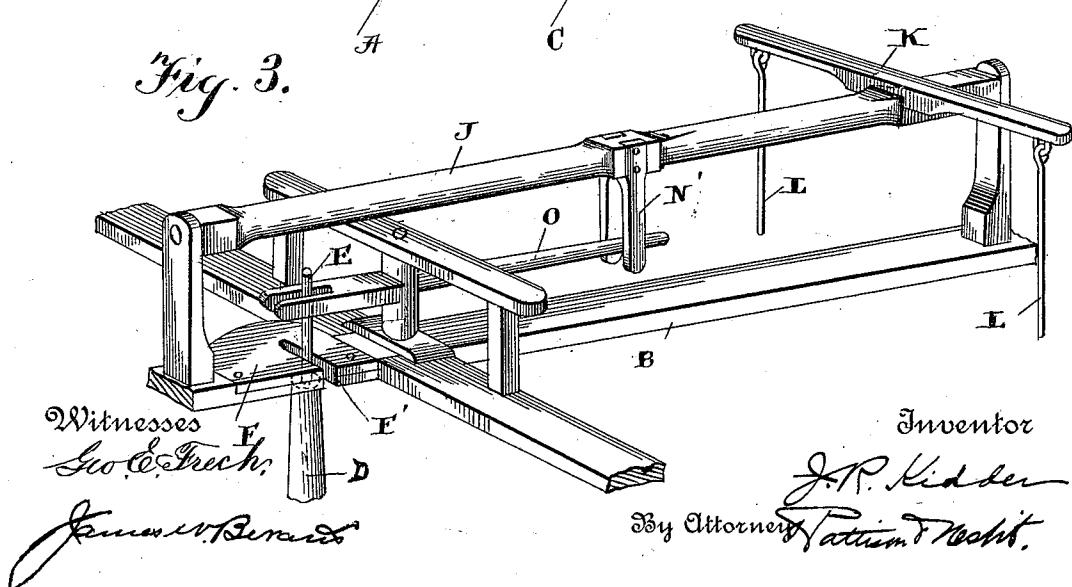
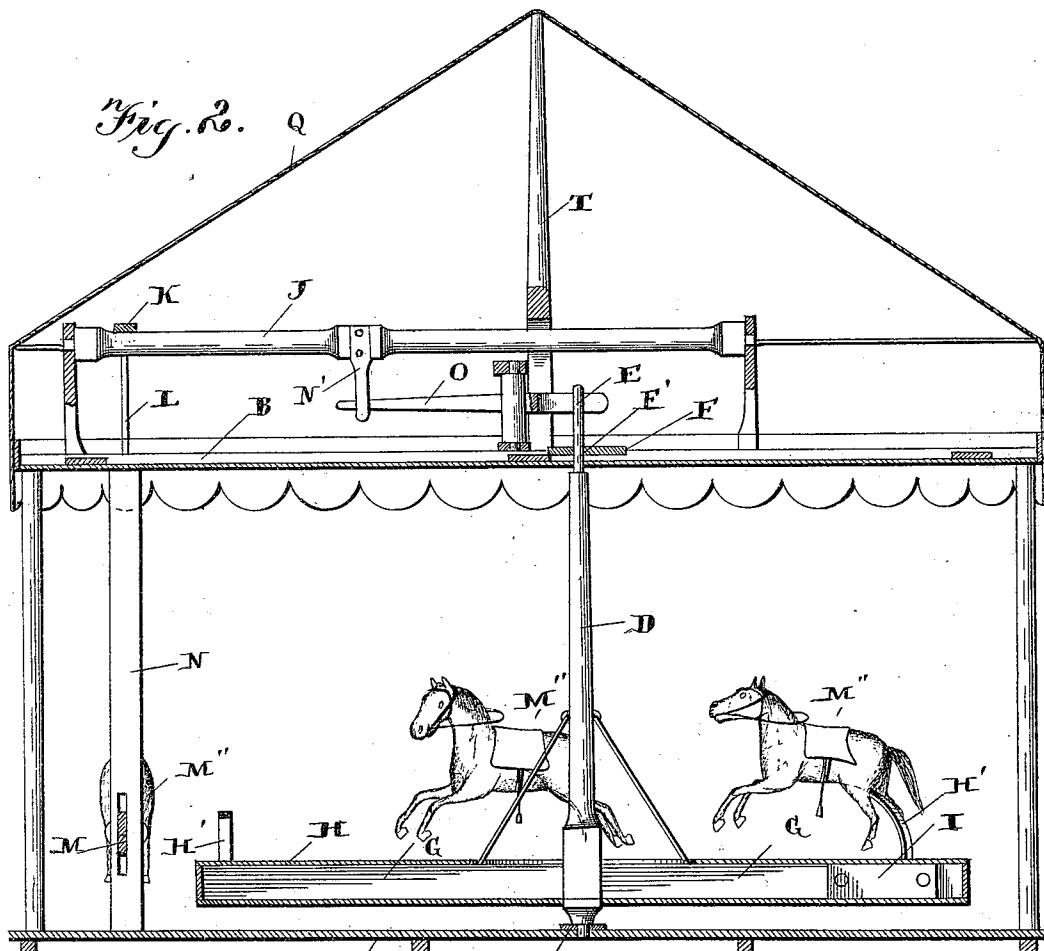
(No Model.)

J. R. KIDDER.  
MERRY-GO-ROUND.

2 Sheets—Sheet 2.

No. 544,230.

Patented Aug. 6, 1895.



# UNITED STATES PATENT OFFICE.

JOSHUA R. KIDDER, OF DAWSON, MISSOURI, ASSIGNOR OF ONE-HALF TO  
SAMUEL MECHAM, OF SAME PLACE.

## MERRY-GO-ROUND.

SPECIFICATION forming part of Letters Patent No. 544,230, dated August 6, 1895.

Application filed February 5, 1895. Serial No. 537,393. (No model.)

*To all whom it may concern.*

Be it known that I, JOSHUA R. KIDDER, of Dawson, in the county of Nodaway and State of Missouri, have invented certain new and useful Improvements in Merry-Go-Rounds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improved merry-go-round; and the object of the same is to provide for devices of this character an improved propelling mechanism.

The invention consists in the novel features of construction hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the merry-go-round. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a detail perspective view of the vibrating mechanism.

A designates the base and B the top portion of the frame. On the base is a suitable bearing C, from which extends vertically the revoluble post D, having spindle E at its upper end projecting through the slot F' of the cross-bar F of the frame-top. Arms G radiate from the post near its lower end, and built thereon is the circular platform H, upon which the hobby-horses are suitably mounted, the same being supported upon the springs H'. Arranged adjacent one of the arms G, near its outer end and between the upper and lower sides of the platform H, is the weight I, for the purpose presently to be explained. It will be noticed that one side or portion only of the periphery of the platform is weighted.

Suitably journaled above bar F is the rock-shaft J, having at one end the cross-arm K, and from the respective ends of this cross-arm depend the rods L, which are connected, as shown, to the teeter M, which latter is suitably mounted in post N of the frame and provided with the riding figures M'' at its ends. Parallel arms N' depend from the shaft J, and extended between them is one end of lever O suitably pivoted in the framework and forked or bifurcated at its opposite end to embrace, as shown, the spindle E projected through

slot F'. By means of the arrangement here shown and described it will be seen that the rock-shaft is vibrated by the seesaw movement of the teeter, to which impetus is given by children riding the figures thereon, the shaft J will be rocked, the lever O will be reciprocated, which in turn will cause the upper end of the axial shaft of the merry-go-round to vibrate. The same being heavily weighted by the persons thereon it will be readily understood that this vibratory movement will cause it to rotate, and that this motion will be materially accelerated by the weight I in one portion of its periphery.

The bifurcated post T has a solid footing in the framework, and the same forms a central support for the canopy Q, which protects the upper portion of the merry-go-round mechanism.

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

1. A merry-go-round comprising a revoluble support, a fixed bearing for its lower end, a vibratory bearing for its upper end, a teeter, and a suitable connection between the teeter and the said vibratory bearing for actuating the latter, substantially as shown and described.

2. A merry-go-round comprising a revoluble support, a fixed bearing for its lower end, a rock shaft and a means for oscillating the same, a lever forming at one end a bearing for the upper end of the said central support, and a loose connection between the opposite end of the lever and said rock-shaft, substantially as shown and described.

3. An improved merry-go-round comprising a revoluble support, the central bearing therefor, the axial post, a lever O bifurcated at one end to embrace the post and fulcrumed between its ends, rock shaft J, arms N' depending therefrom to vibrate bar O, and a means for actuating the rock shaft, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

JOSHUA R. KIDDER.

Witnesses:

J. S. WOOD,  
A. M. WOOD.