

(No Model.)

2 Sheets—Sheet 1.

T. A. CARL.
Carrousel.

No. 239,601.

Patented April 5, 1881.

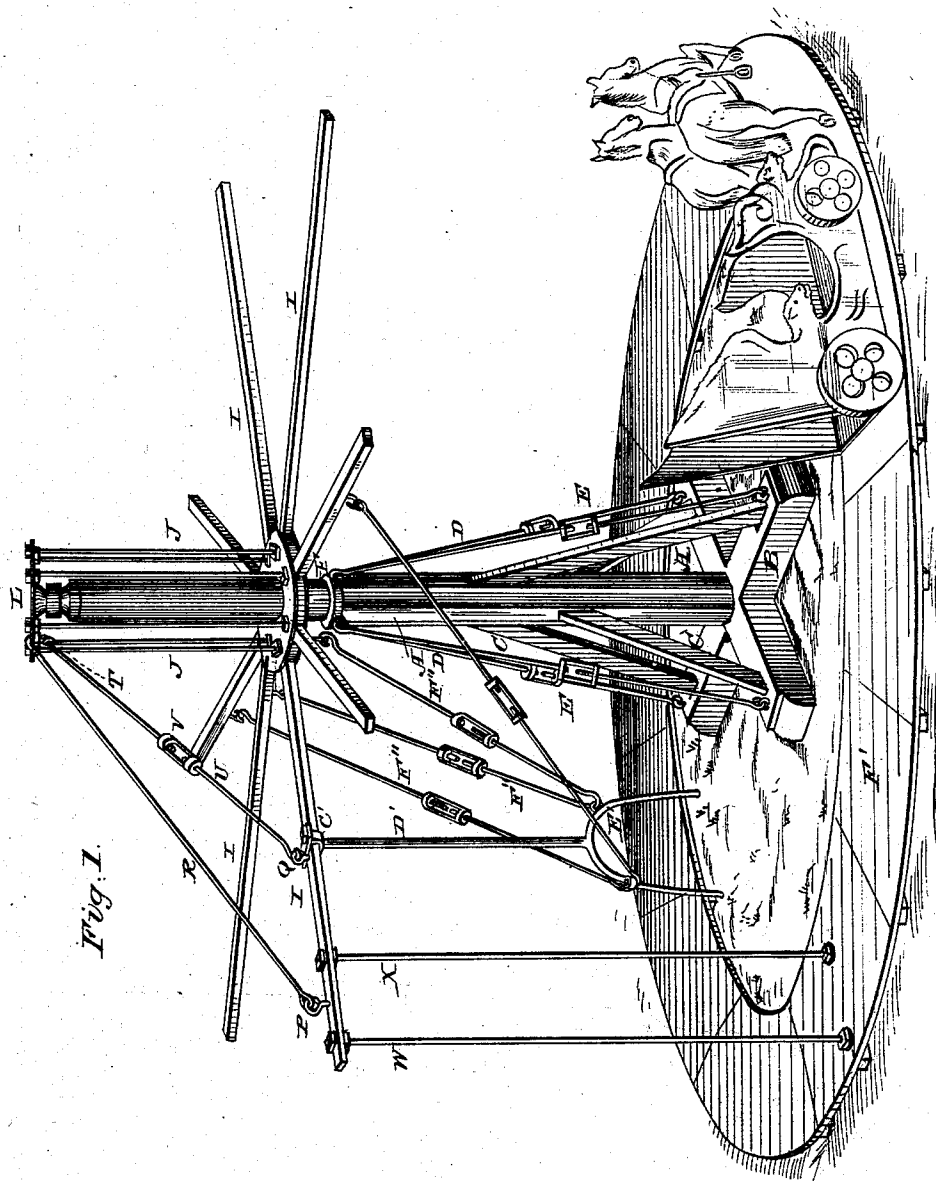


Fig. 1.

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Inventor:
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by C. A. Snow & Co.,
ATTORNEYS.

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2 Sheets—Sheet 2.

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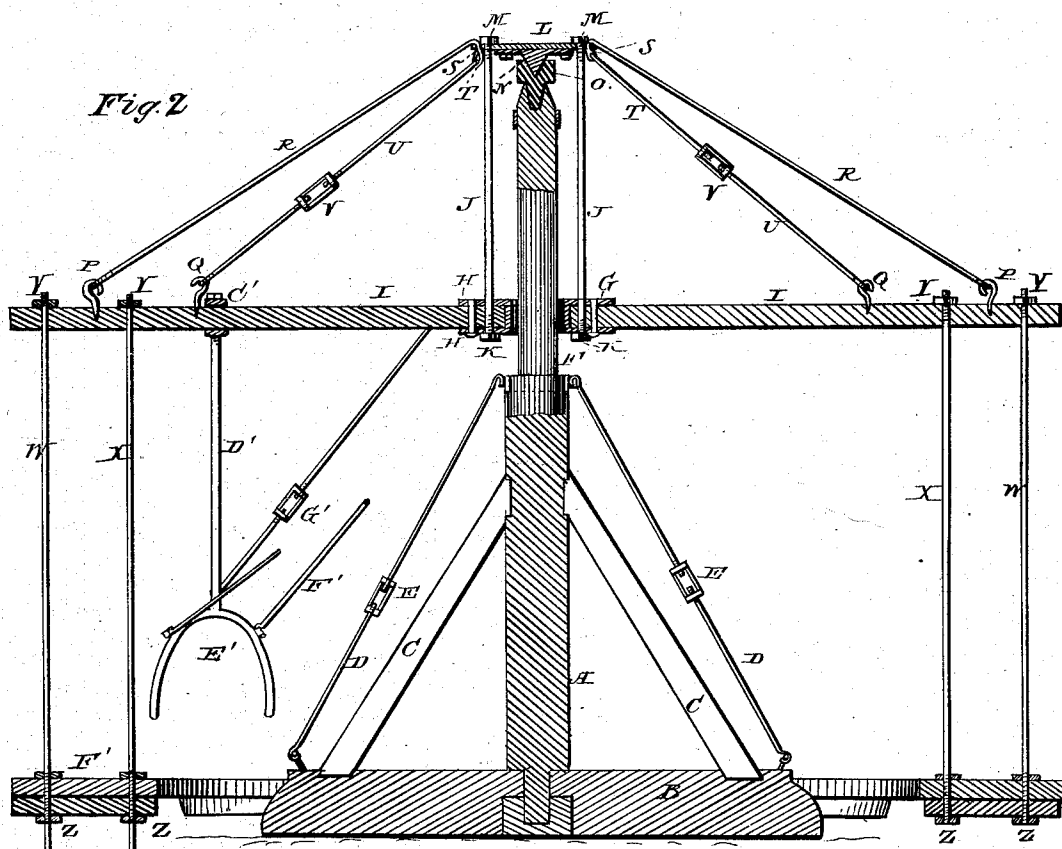
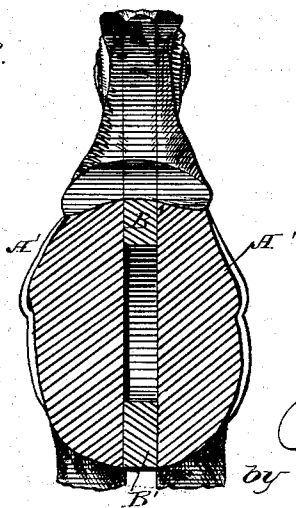


Fig. 3.



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UNITED STATES PATENT OFFICE.

THOMAS A. CARL, OF NASHVILLE, TENNESSEE.

CARROUSEL.

SPECIFICATION forming part of Letters Patent No. 239,601, dated April 5, 1881.

Application filed February 26, 1881. (No model.)

To all whom it may concern:

Be it known that I, THOMAS A. CARL, of Nashville, in the county of Davidson and State of Tennessee, have invented certain new and useful Improvements in Carrouseles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view of my improved carrousel. Fig. 2 is a vertical sectional view of the same; and Fig. 3 is a detail view illustrating the construction of one of the horses or other animals used in combination with and forming part of the same.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to that class of machines which are known as "carrouseles," and which consists of a frame adapted to revolve upon a suitable base or standard, and provided with or carrying figures of horses or other animals and miniature wagons, &c., to be occupied by the persons riding; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents a suitable standard or upright, mounted in a cross brace or base, B, to which it is connected and secured by means of braces C and hooked threaded rods D, provided with tightening-nuts E, in order that the upright may be secured vertically and plumb. The upper end of the upright A forms a spindle, F, upon which is fitted a hub, G, consisting of steel plates H H, clamping and holding securely a set of radiating spokes or rafters, I, the plates H H being held together by means of threaded rods J, having nuts K K, which are screwed up against the plates, as shown. The rods J extend from the hub in an upward direction, and carry at their upper ends a horizontal plate or disk, L, held by nuts M, and provided upon its under side with a pintle, N, working in a gudgeon, O, at the upper end of spindle F.

The outer ends of the spokes or rafters I are

provided upon their upper sides with eyebolts P Q, in the outer ones of which, P, are hooked brace-rods R, the upper ends of which are passed through perforations S in the plate or disk L, below which they are bent to form eyes T. Threaded rods U are hooked in the eyes T and eyebolts Q, and provided with tightening-nuts V, by tightening which the rods R and U are stretched, thus bracing the spokes or rafters of the revolving frame. The ends of the spokes or rafters are provided with downward-depending rods W X, held by nuts Y, and carrying the floor F' of the revolving frame, which consists of a circular flat ring, made preferably in sections, as shown, so as to be readily attached, by means of nuts Z, to the lower ends of the supporting-rods. The outer ones of the latter, W, are made shorter than the inner ones, so as to give the floor a slant in an inward direction, and thus prevent the horses, &c., placed thereon from being thrown off or displaced by centrifugal force.

The horses or other animals used in combination with my improved carrousel are each made of three or more thick boards or slabs of wood, A' B', all sawed or cut to the proper outline, and the outer ones, A', curved to the proper shape, and imitation of saddle, bridle, &c., as shown. The central portion of the intermediate slab or slabs, B', is cut out, so as to leave, properly speaking, only a frame, which is then glued or otherwise firmly secured between the outer slabs. By this construction lightness, cheapness, and durability are secured, all of which is of considerable importance in this class of devices, which frequently require to be moved from place to place.

One of the spokes or rafters I is provided with an adjustable clamp, C', having a downward-depending rod, D', terminating in a fork, E', both arms or prongs of which are braced to the two adjoining spokes by means of hooked rods F', having tightening-nuts G. The horse by which the carrousel is to be drawn is hitched between the prongs of the fork E', from which, as will be seen, the strain of the draft is divided between at least five of the spokes or rafters.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation and advantages of my

invention will be readily understood. It is simple in construction, light, durable, and may easily be taken apart for transportation.

5 The figures of horses, &c., are, in practice, to be secured upon the floor of the revolving frame by means of screws, or in any other suitable manner.

Having thus described my invention, I claim and desire to secure by Letters Patent of the
10 United States—

1. The combination, with the upright or standard A, having spindle F, of the revolving frame, consisting essentially of the hub G, having spokes or rafters I, rods J J, and the
15 plate or disk L, having pintle N, substantially as and for the purpose set forth.

2. In a carrousel, the revolving frame G J L I, constructed substantially as herein described, and provided with downward-depend-
20 ing rods W X, carrying the inwardly-slant-

ing circular floor F', substantially as and for the purpose set forth.

3. The combination of the hub G, rafters I, having eyebolts P Q, rods J, plate or disk L, having perforations S, hooked rods R, having
25 eyes T, and brace-rods U, having tightening-nuts V, all arranged and operating substantially as and for the purpose set forth.

4. The herein-described imitation animals, consisting of outer curved slabs, A', and inter-
30 mediate frames, B', suitably secured together, substantially as and for the purpose shown and specified.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in
35 presence of two witnesses.

THOMAS A. CARL.

Witnesses:

J. W. GANNAWAY,
HENRY AGATHEN.