(No Model.)

W. SASSACK.

ROUNDABOUT.

No. 314,881. Patented Mar. 31, 1885.

Fig. 1.

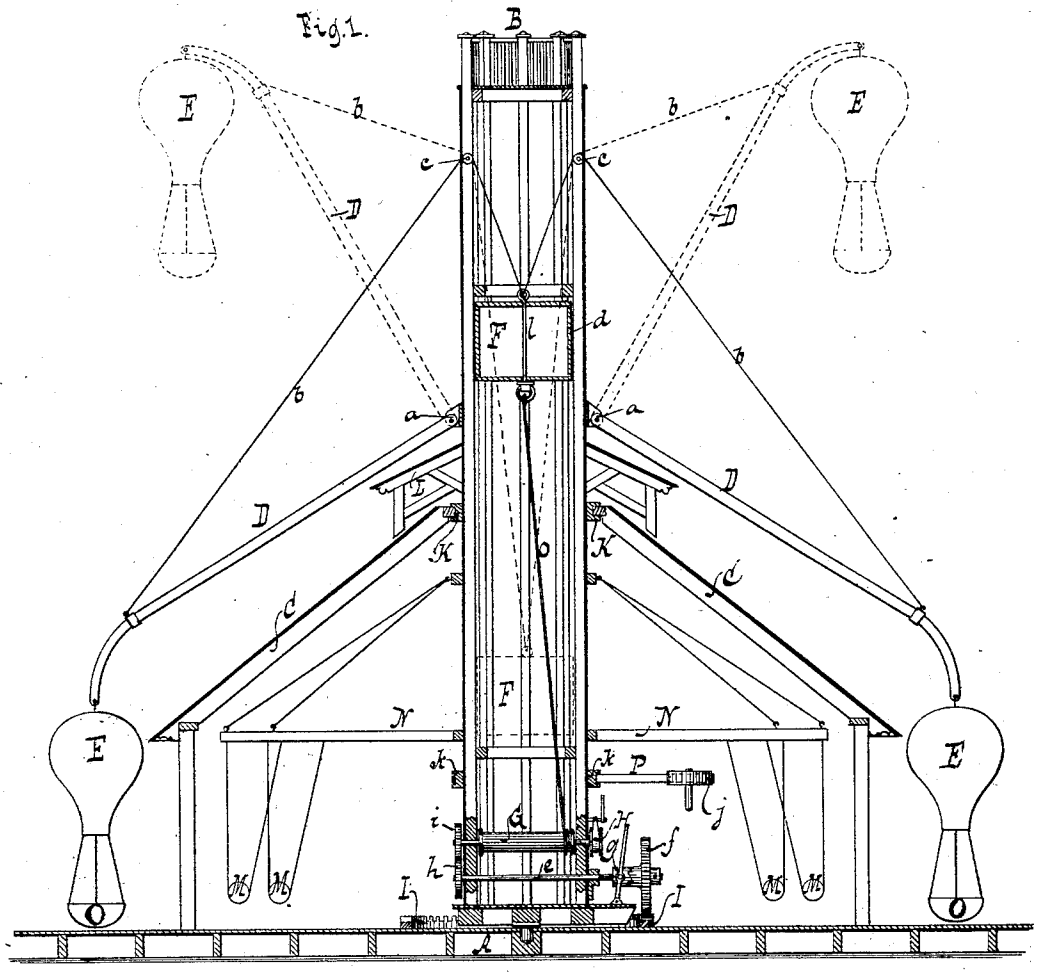
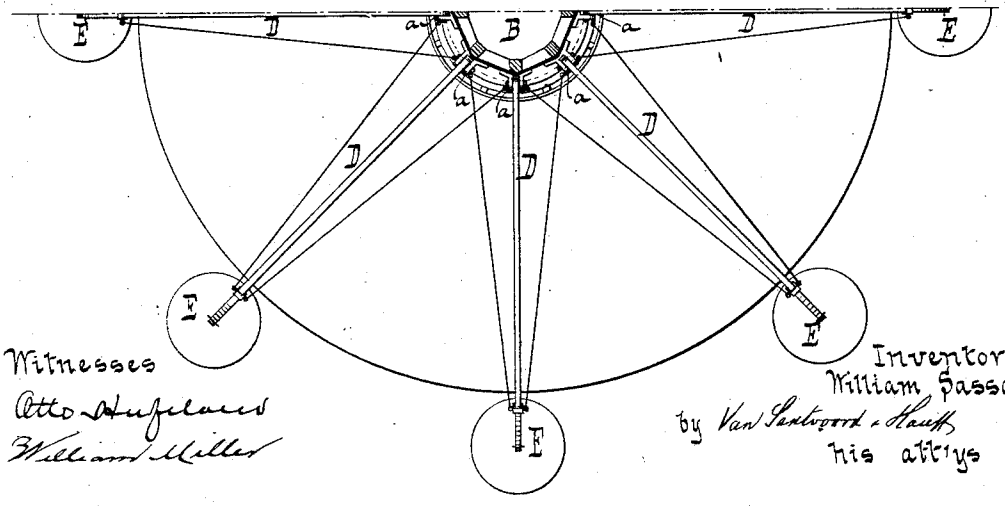


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM SASSACK, OF BROOKLYN, NEW YORK.

ROUNDABOUT.

SPECIFICATION forming part of Letters Patent No. 314,881, dated March 31, 1885.

Application filed July 24, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SASSACK, a citizen of the German Empire, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Roundabouts, of which the following is a specification.

This invention relates to the combination, with a tower mounted so that it can be rotated, and a base, of arms to the end of which are attached balloon-shaped carriers, together with suitable cable and gearing, as will be hereinafter described, for raising the balloons and for retaining them in their raised positions.

In the accompanying drawings, Figure 1 is a vertical section of the contrivance. Fig. 2 is a plan, partly in section.

Similar letters indicate corresponding parts.

The base A, the hollow tower B, the roofs C and L, and the arms D form the frame-work of the carrousel.

E are balloon-shaped carriers, provided with cars O, and attached to the arms D. The arms D are pivoted to the tower B by hinges *a*, so as to swing vertically about the pivot.

To one end of the arms D are attached ropes or cables *b*, passing over pulleys *c* on the tower B, and connected with the eye-bar *l* in the sliding piece F. The slide F runs in ways *d* on the tower frame. This slide F is connected with the windlass G, situated at the bottom of the tower B, by the rope or cable *o*. *j* is a pulley transmitting power to the pulley *k*, secured to the tower B.

e is a shaft, one end of which is provided with a loose gear-wheel, *f*, engaging the circular rack I, and a clutch, *g*. On the other end of the same is a gear-wheel, *h*, engaging a gear-wheel, *i*, on the windlass G. On one end of the windlass G is a friction-brake, H.

M are seats, horses, &c., connected with beams N, and rotating with the tower B. The roof C supports the tower B by means of suitable bearings, K. L is a roof fastened to and rotating with the tower B, so as to prevent leakage from rain. When the tower B is rotated, by means of motion communicated by pulley *j* and belt P or by any similar arrangement, the loose gear *f* is locked by the clutch *g*, in the usual manner, and by being engaged by the rack I it sets the shaft *e* in rotation.

By means of the gears *h* and *i* the windlass G is rotated, the slide F is drawn downward, and the balloon-shaped carriers are raised to the position shown by the dotted lines in Fig. 1. The pulley *f* is then released, the balloon-shaped carriers stop rising, and revolve with the tower B in their raised position. The balloons are lowered by means of their own weight, including that of the persons in them, and the motion is controlled by the friction-brake H.

In order to obtain a quick ascension of the balloon-shaped carriers E, the cage or slide F is loaded with sand-bags or other suitable material, which balance the weight of balloon-shaped carriers and load.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination of a supporting base or platform, a tower thereon, a slide arranged in the tower, gearing for moving the slide vertically, arms connected with the slide, and carriers supported by arms and raised and lowered by the vertical movement of the slide, substantially as described.

2. The combination of a supporting base or platform, a rotating tower thereon, a slide in the tower, gearing for moving the slide vertically, and arms carrying carriers and raised and lowered by the vertical movements of the slide, substantially as described.

3. The combination, substantially as hereinbefore described, with a tower, B, mounted so that it can be rotated, and a base, A, of the balloon-shaped carriers, the slide F, arms D, cables or ropes *b* and *o*, the windlass G, gears *i h f*, and circular rack I.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

WILLIAM SASSACK. [L. S.]

Witnesses:
W. HAUFF,
E. F. KASTENHUBER.