

(No Model.)

W. MUMBRAUER.
MERRY-GO-ROUND.

No. 515,088.

Patented Feb. 20, 1894.

FIG. 1.

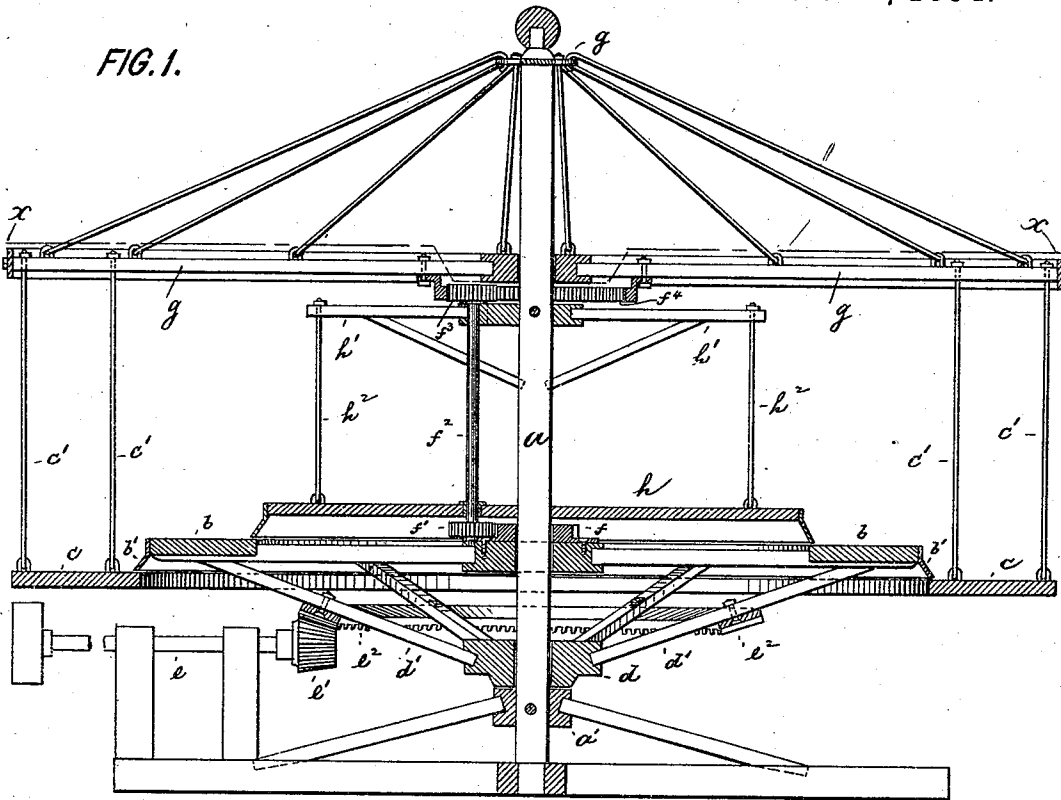
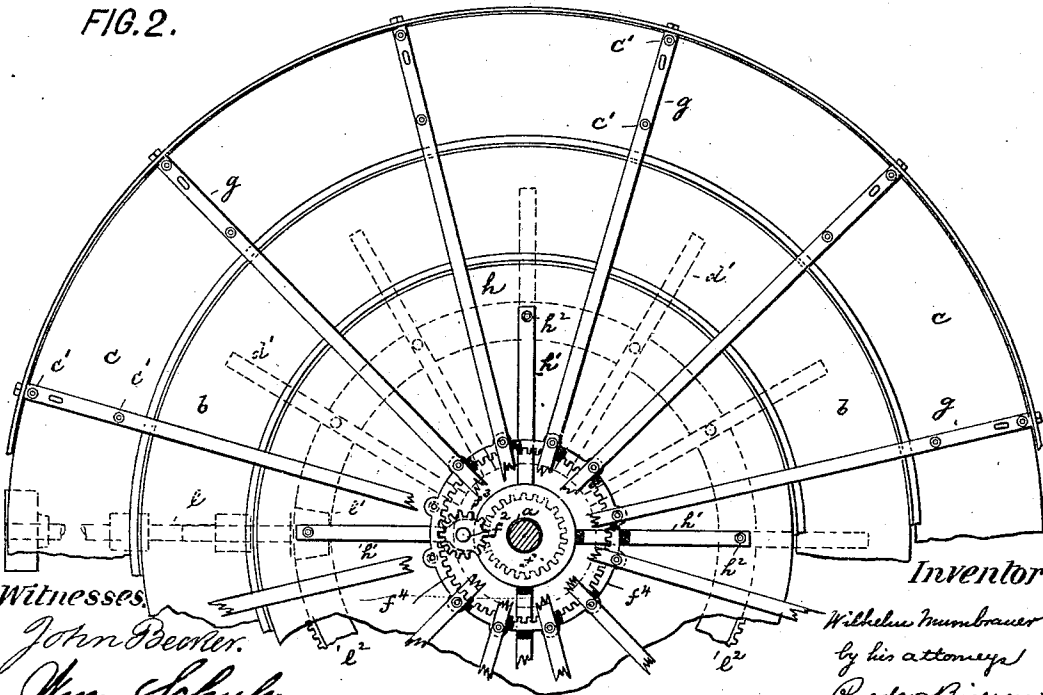


FIG. 2.



Witnesses:
John Becker.
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MERRY-GO-ROUND.

SPECIFICATION forming part of Letters Patent No. 515,088, dated February 20, 1894.

Application filed November 23, 1893. Serial No. 491,719. (No model.)

To all whom it may concern:

Be it known that I, WILHELM MUMBRAUER, of the city of New York, county and State of New York, have invented an Improved Merry-Go-Round, of which the following is a specification.

This invention relates to a merry go round provided with two platforms that revolve in opposite directions.

In the accompanying drawings: Figure 1 is a vertical central section of my improved merry go round. Fig. 2 is a horizontal section through part of the same, on line *x, x*, Fig. 1.

The letter *a*, represents the upright stationary post of the merry go round firmly secured to the ground or to a base. Around the post *a*, revolves an upper annular platform *b*, and a lower annular platform *c*, which is so much larger than the upper platform, that it extends beyond the outer edge of the same to a considerable extent. A flange *b'* of platform *b*, extends over the inner edge of platform *c*, to conceal the same. The upper platform *b*, is supported upon a collar *d*, by means of braces *d'*, the collar *d*, being free to revolve upon a fixed collar *a'*, of post *a*. Motion is imparted to platform *b*, from a power shaft *e*, and bevel gear *e'*, *e''*, the wheel *e''*, being perforated for the passage of the braces *d'*, to which such wheel is bolted.

To the platform *b*, there is secured the cog

wheel *f*, revolving with the platform and meshing into the cog wheel *f'*, of an upright shaft *f''*, the upper cog wheel *f''*, of which engages an internally toothed spur gear *f''*, secured to the revoluble roof *g*. To this roof the lower platform *c*, is secured by means of the hanger *c'*. A fixed central platform *h*, is secured to the post *a*, by means of radial arms *h'*, and hangers *h''*, and covers the central opening of the upper annular platform *b*.

In use, motion is imparted to the merry go round from the power shaft, so as to revolve the two platforms *b, c*, in opposite directions and at varying speed, so that a novel and pleasing effect is attained.

What I claim is—

1. The combination of an inner revoluble platform *b*, with a cog wheel *f*, secured thereto, a revoluble roof *g*, a spur gear *f''*, secured thereto, an upright shaft *f''*, intergeared with wheels *f, f''*, and an outer platform *c*, suspended from the roof, substantially as specified.

2. The combination in a merry go round of the following elements: platforms *b, c*, collar *d*, braces *d'*, cog wheels *e', e'', f, f''*, rod *f''*, cog wheels *f''*, *f''*, roof *g*, and hangers *c'*, substantially as specified.

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Witnesses:

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