

(No Model.)

W. MUMBRAUER.  
MERRY-GO-ROUND.

No. 515,088.

Patented Feb. 20, 1894.

FIG. 1.

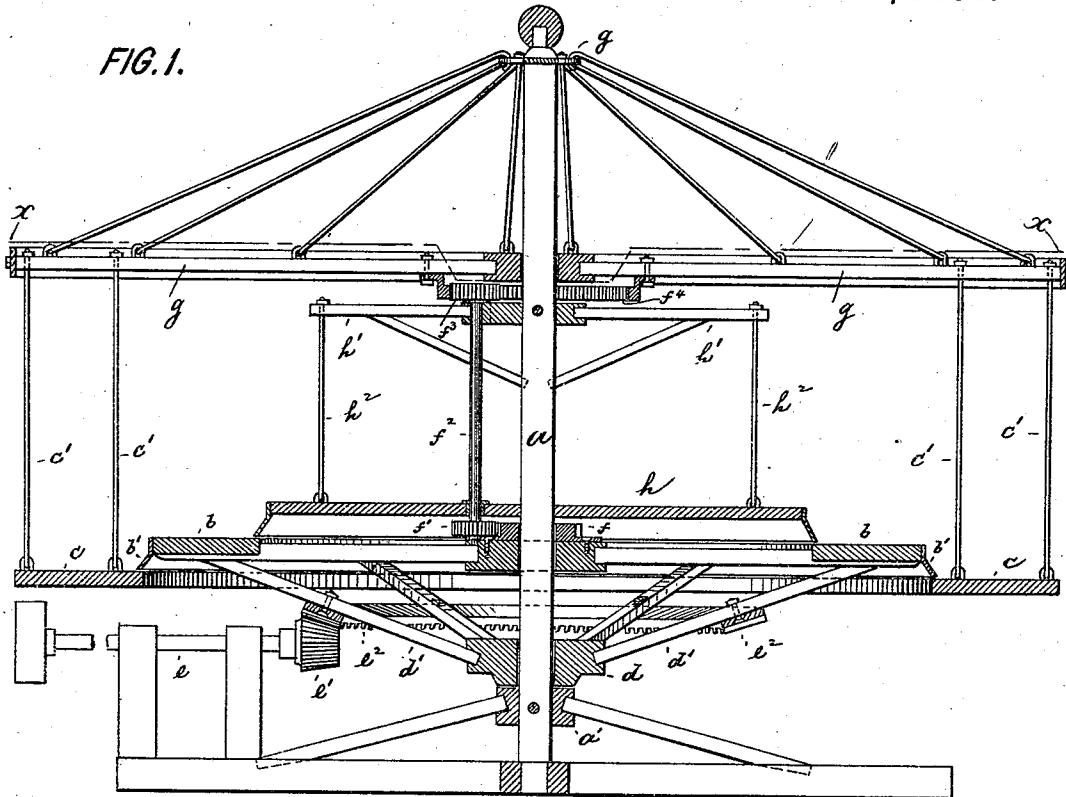
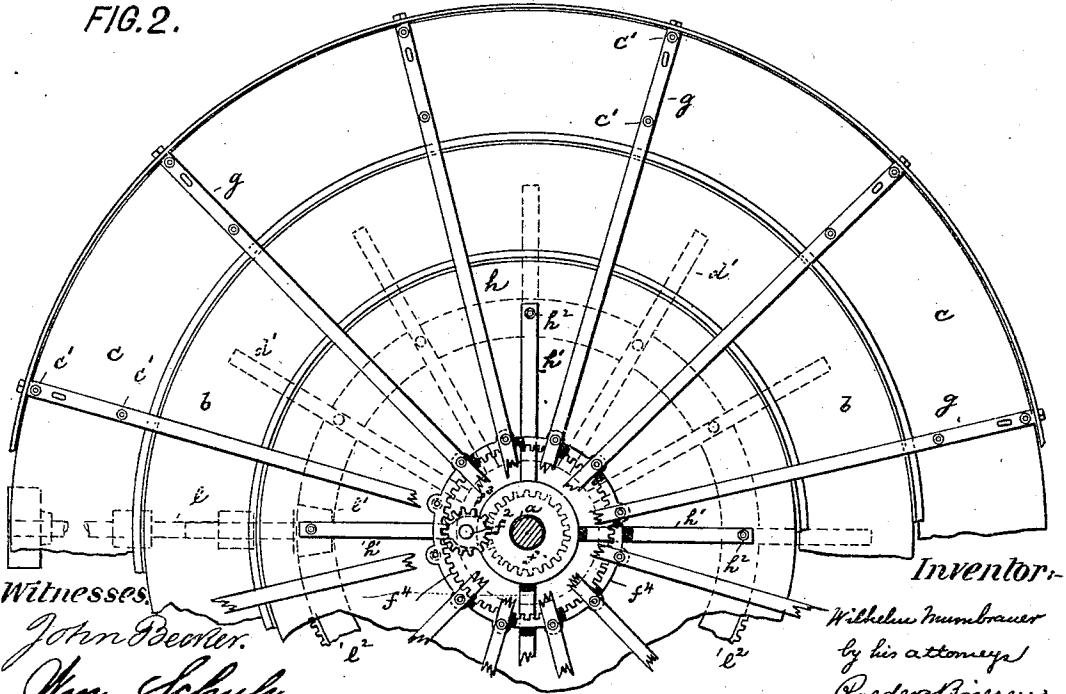


FIG. 2.



Witnesses

John Beeler.  
Wm. Schulz.

Wilhelmine Mumbauer  
by her attorneys  
Roeders & Bissell

# UNITED STATES PATENT OFFICE.

WILHELM MUMBRAUER, OF NEW YORK, N. Y.

## 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-  
5 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.

10 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.

15 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 20 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  $b$ , 25 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 30 imparted to platform  $b$ , from a power shaft  $e$ , and bevel gear  $e'$ ,  $e^2$ , the wheel  $e^2$ , 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  $f^2$ , the upper cog wheel  $f^3$ , of which engages an internally toothed spur gear  $f^4$ , 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 40  $h'$ , and hangers  $h^2$ , 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 45 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  $f^4$ , secured thereto, an upright shaft  $f^2$ , intergeared with wheels  $f$ ,  $f^4$ , and an outer platform  $c$ , suspended from the roof, substantially as specified. 50

2. The combination in a merry go round of 55 the following elements: platforms  $b$ ,  $c$ , collar  $d$ , braces  $d'$ , cog wheels  $e'$ ,  $e^2$ ,  $f$ ,  $f'$ , rod  $f^2$ , cog wheels  $f^3$ ,  $f^4$ , roof  $g$ , and hangers  $c'$ , substantially as specified.

WILHELM MUMBRAUER.

Witnesses:

Wm. SCHULZ,  
F. V. BRIESEN.