(No Model.)

A. COUDYSER.

POLYCYCLE.

No. 345,414. Patented July 13, 1886.

Fig. 1

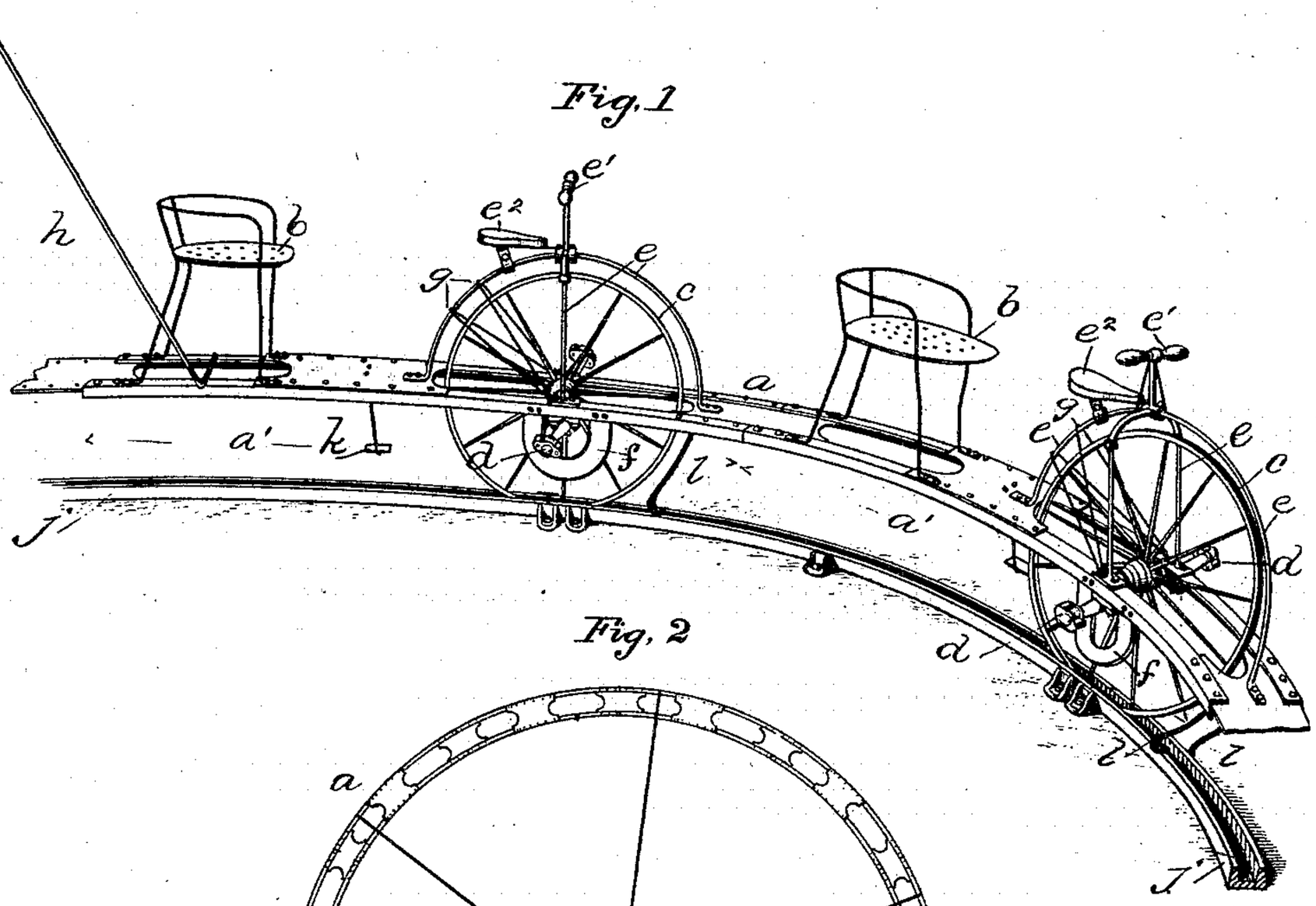
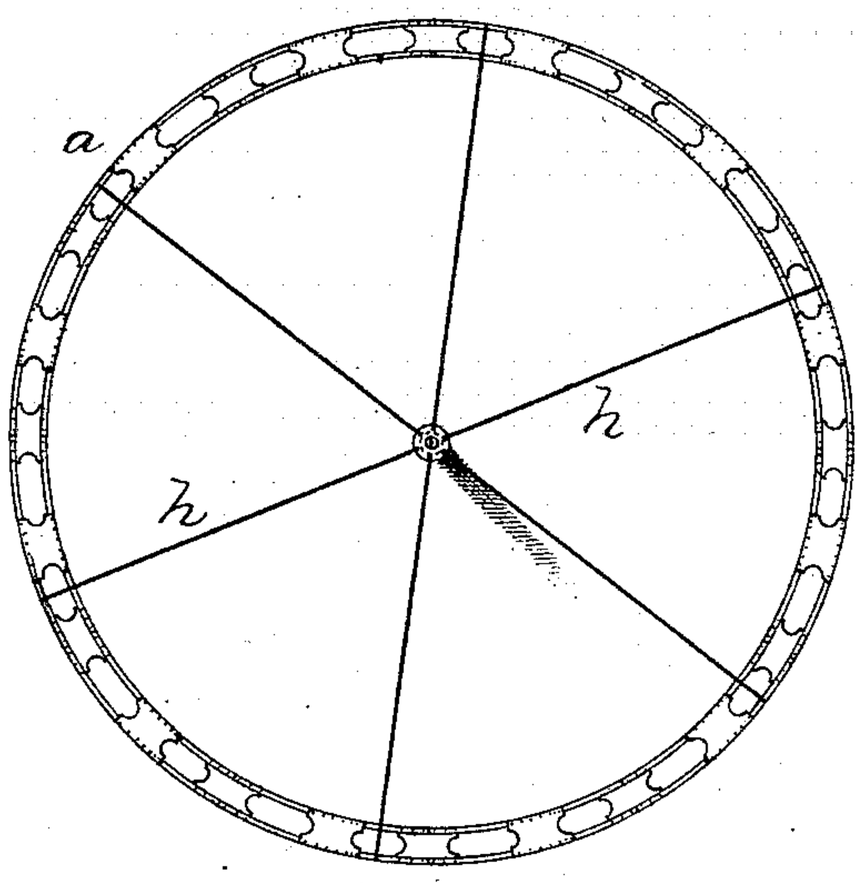


Fig. 2



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UNITED STATES PATENT OFFICE.

ADOLPH COUDYSER, OF HARTFORD, CONNECTICUT.

POLYCYCLE.

SPECIFICATION forming part of Letters Patent No. 345,414, dated July 13, 1886.

Application filed April 27, 1885. Serial No. 163,638. (No model.)

To all whom it may concern:

Be it known that I, ADOLPH COUDYSER, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Polycycles, of which the following is a description, reference being had to the accompanying drawings, where—

Figure 1 is a perspective view of a portion of the circular platform embodying my improvements. Fig. 2 is a plan view of the platform, center-pole, and stays supporting the platform, with the wheels and chairs removed from the latter.

My improvement belongs to the general class of apparatus—such as "flying-horses," "merry-go-rounds," and the like—commonly used at fairs, picnic grounds, &c.; and it consists in certain details of construction whereby such apparatus is rendered more safe and durable in use, and of simpler and less costly construction than those heretofore devised, all as will be hereinafter particulaly described, and pointed out in the claim.

In the accompanying drawings, the letter *a* denotes a circular platform as a whole, which is made up of sections *a'*, preferably of plate and angle iron bolted together, each section *a'* of the platform bearing a chair, *b*, and having bearings for the axis of the wheel *c*, which supports the platform. The axis of each wheel bears the pedals *d*, which project beyond each side of the platform, and the frame *e*, consisting of the curved and straight rods or bars rising from the platform at the front and rear and at the sides, respectively, of the wheel, supports the handle *e'* and the seat e^2 in suitable position to enable the wheel to be revolved by a driver seated in the saddle and working the pedals in the manner common to velocipedes and bicycles. The guard *f* is secured to the edge of the platform and turns downward just inside of the path of the pedals in position to prevent the foot of the driver from being caught between the pedals and the platform, and the braces *g* serve to stiffen the frame *e*, and also act as a guard. The sections *a'*, each supporting a chair, and having a driving-wheel, may be arranged in any desired number to make up the circular platform, and the latter is held in the proper position by means of the braces *h*, which are secured to the platform at their outer end and to a common center, as a collar, that turns freely on the central pivot, which may be the pole that supports a tent to cover the apparatus. The track *j* is preferably trough-shaped, as illustrated, and is made in sections, so as to be readily put together for use or taken apart for packing or transportation. Each section bears one or more steps, *k*, preferably arranged between the chair and the wheel in convenient position to assist the riders in getting on or off the platform, and a guard, *l*, is preferably borne in front of each wheel in position to remove any obstruction from the track which may fall between the wheels.

I claim as my invention—

The combination, with the circular platform, the driving and supporting wheels provided with shafts journaled in the said platform, and cranks on said shafts provided with pedals, of the pedal-guards consisting of the U-shaped plates secured at their ends to the edge of the platform and to extend below the same, the said guards projecting beyond the path of movement of the pedals, substantially as shown, and for the purpose described.

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