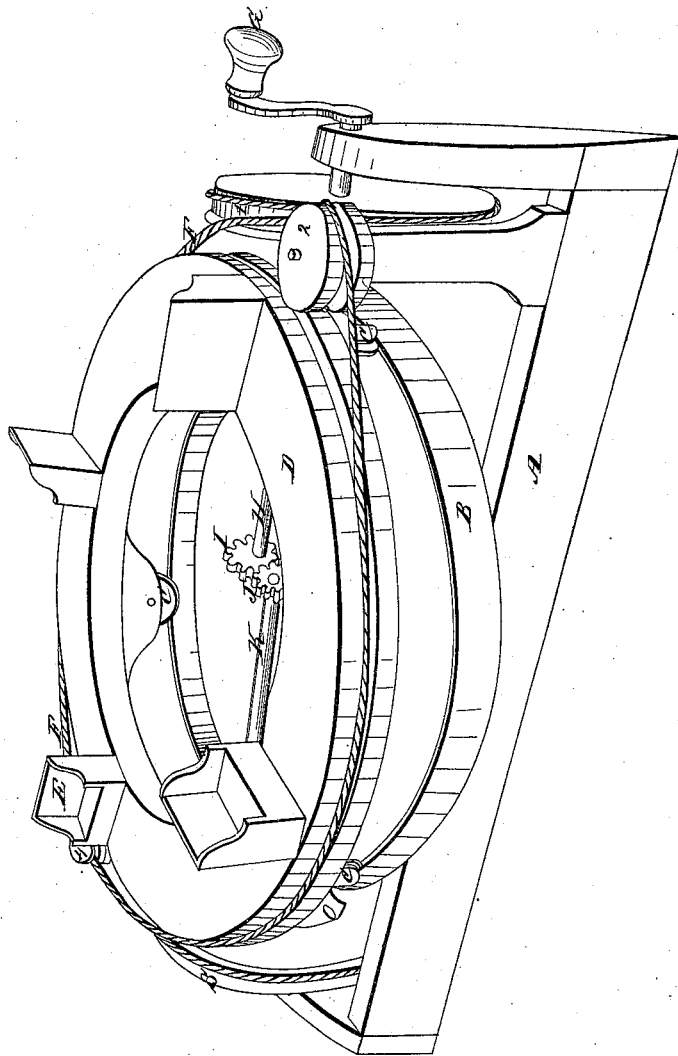


J. Rowe,

Motor.

N^o 442.

Patented Oct. 28, 1837.



UNITED STATES PATENT OFFICE.

JAMES ROWE, OF TRIANA, ALABAMA.

CIRCULAR RAILWAY AND CAR.

Specification of Letters Patent No. 442, dated October 28, 1837.

To all whom it may concern:

Be it known that I, JAMES ROWE, of Triana, in the county of Madison and State of Alabama, have invented a new and useful
5 circular railroad and car for transporting passengers, burdens, and for all other useful purposes to which said improvement may be applied, which is described as follows, reference being had to the annexed drawings
10 of the same, making part of this specification.

There is provided a proper foundation of the requisite size and strength for the purpose intended, which is marked A in the annexed drawing. On this foundation is constructed a circular rail way B, of any given
15 radius. On this circular rail-way is made to travel around on grooved wheels C a circular car, D, provided on the top with any convenient number of seats, E, for passengers, or receptacles for burdens. The propelling power as here represented, consists of pulleys 1, 2, 3, 4, and a band F passing
20 around the circular car in a groove formed in the periphery thereof. One of the pulleys No. 1, is turned by a crank G on the end of an axle H which extends to the center of the circular track; on the end of which, there is a pinion I working into another pinion J, on the end of a parallel
30 shaft K, passing through the center of the opposite pulley, causing them to move together.

The car may be propelled by a circular
35 rack and pinion applied on one side only, or both. Instead of having the grooved wheels attached to the circular car they may be stationed on an exact circle at regular intervals and the car and rail united and
40 laid on them and driven as before. The propelling power may be steam, horse, or otherwise.

This improved circular rail road is designed for the exercise and pleasure grounds
45 of cities, towns, villages, and all places of public resort.

To an excavator (invented by your petitioner) as the agent by which the earth excavated is conveyed and deposited to the right or left—for tending and serving in all
50 practical positions.

Among the advantages to be derived by the use of the before described circular rail road over all others are,

1. The car is continuous around the whole
55 circle, firmly united in all its parts and driven from two opposite points, thus forming a balance of motion.

2. Accidents are prevented from the impossibility of the car running off the track. 60

3. The car being driven by a chain or belt consequently employs local instead of locomotive power.

4. The car being continuous in a circle will accommodate seats all around and
65 afford convenience for a great number of passengers to exercise and ride at the same time: or a great quantity of burden may thus be conveyed. The circular car may be propelled by giving motion to two upright
70 shafts by means of bevel gearing and a cross band passing around the car and a pulley on the upper end of each upright shaft.

The invention claimed by me the said James Rowe and which I desire to secure by
75 Letters Patent consists—

1. In the combination of the single track and continuous car.

2. Driving by band or belt without a common center and by a balance of motion. 80

3. The application of local power to propelling a circular car for accommodating passengers with the highest speed and yet entirely safe and free from all possible danger and also for conveying burdens. 85

JAMES ROWE.

Witnesses:

WM. P. ELLIOT,
I. SKINNER.