

No. 770,121.

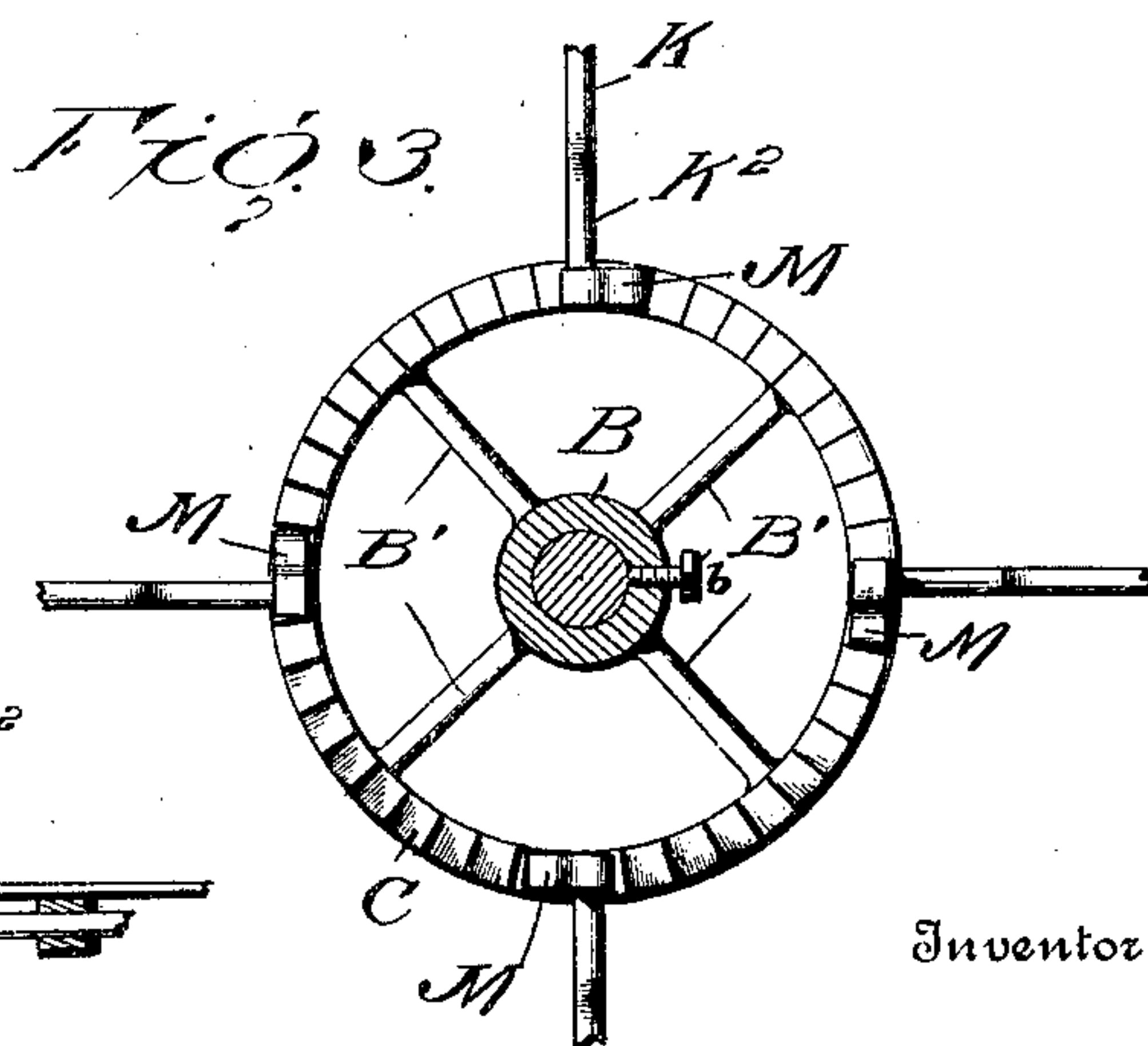
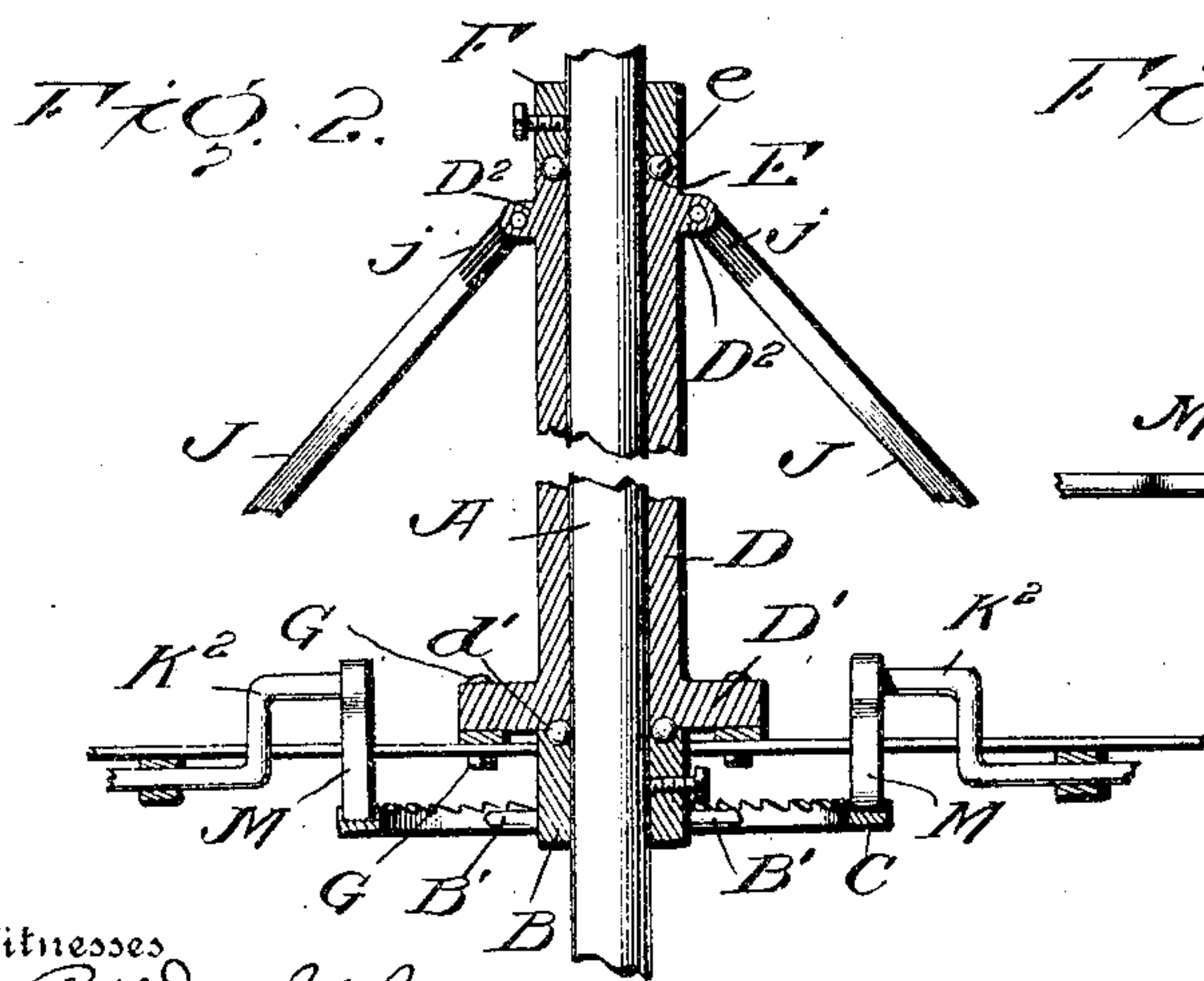
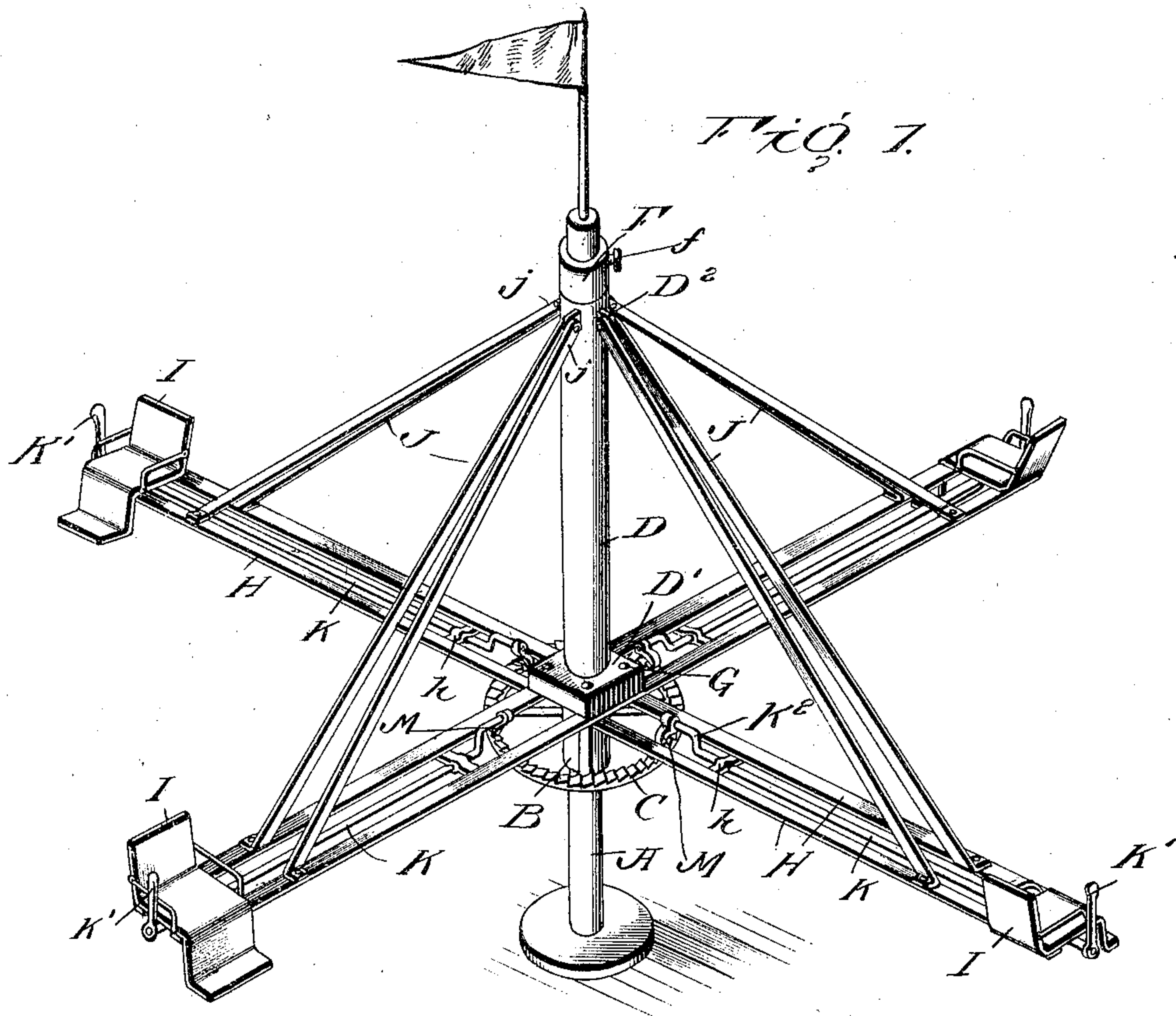
PATENTED SEPT. 13, 1904.

J. O. SCOGGINS.

ROUNDAABOUT.

APPLICATION FILED OCT. 16, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

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ROUNABOUT.

SPECIFICATION forming part of Letters Patent No. 770,121, dated September 13, 1904.

Application filed October 16, 1903. Serial No. 177,348. (No model.)

To all whom it may concern:

Be it known that I, JESSE C. SCOGGINS, a citizen of the United States, residing at Alva, in the county of Woods and Territory of Oklahoma, have invented new and useful Improvements in Roundabouts, of which the following is a specification.

My invention relates to improvements in roundabouts, and pertains more particularly to that class which are mounted upon a single post or standard and adapted to revolve thereon.

The object of my invention is to provide a device of this character which is operated by hand by the rider and also to provide a more simple, cheap, and durable device of this character than has heretofore been produced.

In the accompanying drawings, Figure 1 is a perspective view of my improved roundabout. Fig. 2 is a vertical sectional view of Fig. 1. Fig. 3 is a horizontal sectional view partly broken away.

Referring now to the drawings, A represents a post, which may be of any desired form, but is preferably round and is either settled in the ground and properly stayed or is provided with an enlarged base adapted to hold the same in a vertical position. This base, as will be readily understood, would have to be of a considerable size in order to prevent the same from tilting when a number of persons are riding upon the same. Surrounding said post and secured thereto by a set-screw *b* is a bearing B, which may be of any desired height from the ground or base, but preferably is such that a person riding on the device will be several feet above the ground or floor. The said bearing B carries several radially-extending arms B', which have secured to their outer ends the circular ratchet disk or ring C, which, as clearly shown in the drawings, surrounds the pole or post A.

Loosely mounted on the pole A above said bearing B and ratchet-wheel C is an elongated sleeve D, which has at its lower end an enlarged squared portion D', which is provided in its lower end with a circular ball race or bearing which is adapted to hold the balls *d'*, and the bearing B is also provided with a ball-race in which the balls *d'* are

adapted to rest, and thus I form a ball-bearing between the same. The upper end E of said sleeve D is provided with a ball-race which is adapted to receive the balls *e*, and rigidly secured by screw *f* to the post A above said elongated sleeve is a sleeve F, which is provided with a ball-race in its lower face which is adapted to receive the balls *e* within the race E, and thus the elongated sleeve is rotatably mounted upon the pole A between the bearings B and F.

The lower end of the sleeve D, as before stated, is enlarged at D' and is provided with vertically-arranged bolt-openings, through which passes the bolts G and by means of which the arms H may be secured thereto, and thus the arms are rotatably supported by the pole A. The said arms extend radially from the squared portion of the sleeve D and are arranged in pairs—that is, two arms extend in the same direction or from the same side of the squared portion D, but are arranged a slight distance apart. The outer ends of the arms are provided with a seat I, which is of any desired form, but is preferably of an adjustable form. What I mean by “adjustable” is that it may be so adjusted that the person therein may be in a sitting position or it may be so adjusted that he will be in a reclining position.

For the purpose of bracing the set supporting-arms, and thus preventing any possibility of the same working loose from the sleeve D, I provide brace-rods J, which have their lower ends connected to the arms adjacent the seats, and the upper ends *j'* are secured to the ears D², carried by the sleeve D. Mounted on said arms H are the shafts K, which extend parallel therewith, and it will be clearly seen that there is a separate shaft carried by each pair of arms and that said shafts are mounted in bearings *h*, carried by the arms H, and are adapted to oscillate in said bearings. The outer end of said shaft K is provided with a handle K', which extends upwardly adjacent the seat, and thus the same is within easy reach of the person sitting on the seat and the said shaft is oscillated by the same. The inner end of said shaft is provided with a crank K², which has pivotally mounted on its end a

curved pawl M, which is adapted to normally rest upon the ratchet C and to slide loosely over the same. The handle is drawn toward the person sitting upon the seat, and thus the
 5 pawl engages the teeth of the ratchet C, and said ratchet being stationary or rigidly supported by the post it will be readily seen that the arms are given a rotary motion, and thus the device is set in operation.

10 The backward movement of the handle simply draws the pawl loosely over the teeth carried by the ratchet C, and the handle is again in position to give another pull in order to increase the revolution of the device. By this
 15 construction it will be clearly seen that any one of the operators or riders can operate the device independent of the other, and the handle may at all times be kept upon the operating-handle without any inconvenience to the op-
 20 erator when the machine is running.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A roundabout, comprising a vertically-
 25 arranged pole, a collar rigidly supported by said pole and having a ball-race in its upper face, a horizontally-arranged wheel carried by said collar and having ratchet-teeth carried by the upper face, an elongated sleeve rotatably
 30 mounted upon said support, and having a ball-race in its lower face and balls in said race, and the race in the collar, the upper end of

said sleeve having a ball-race, balls within said race, a member rigidly carried by the pole above the sleeve and having a ball-race to re- 35
 ceive the balls in the race in the upper end of the sleeve, outwardly - extending arms supported by the lower end of said sleeve, seats carried by the outer end of said arms, oscillating shafts carried by said arms and pawls 40
 carried by the said shafts and adapted to engage said teeth of said wheel.

2. A roundabout comprising a vertically-arranged post, a ratchet-disk supported by said post, a sleeve rotatably supported thereby 45
 above the disk, and having an outwardly-enlarged lower end, radially-extending arms carried by the lower face of the enlarged portion and arranged in pairs, transverse braces connecting each pair of arms, an oscillating shaft 50
 mounted in the braces between the arms of each set, cranks carried by the inner ends of the shafts and extending up between said arms, pawls pivotally supported by said cranks and engaging said ratchet-disk, and means 55
 carried by the outer end of said shafts for oscillating the same.

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

JESSE C. SCOGGINS.

Witnesses:

N. L. MILLER,
 J. D. KIDWELL.