

(No Model.)

K. SCHAEFER.
Traction Engine Driving Wheel.

No. 243,463.

Patented June 28, 1881.

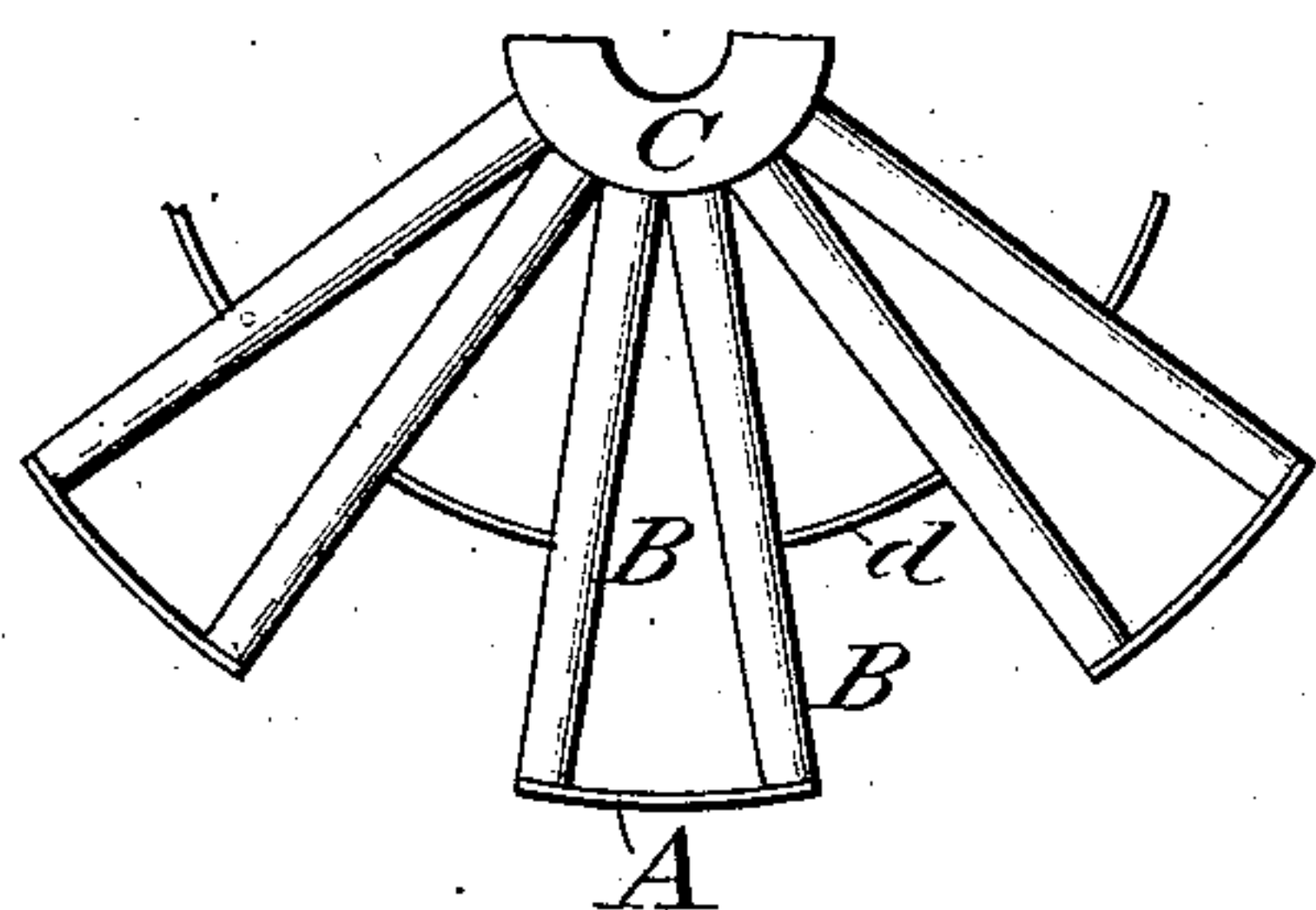
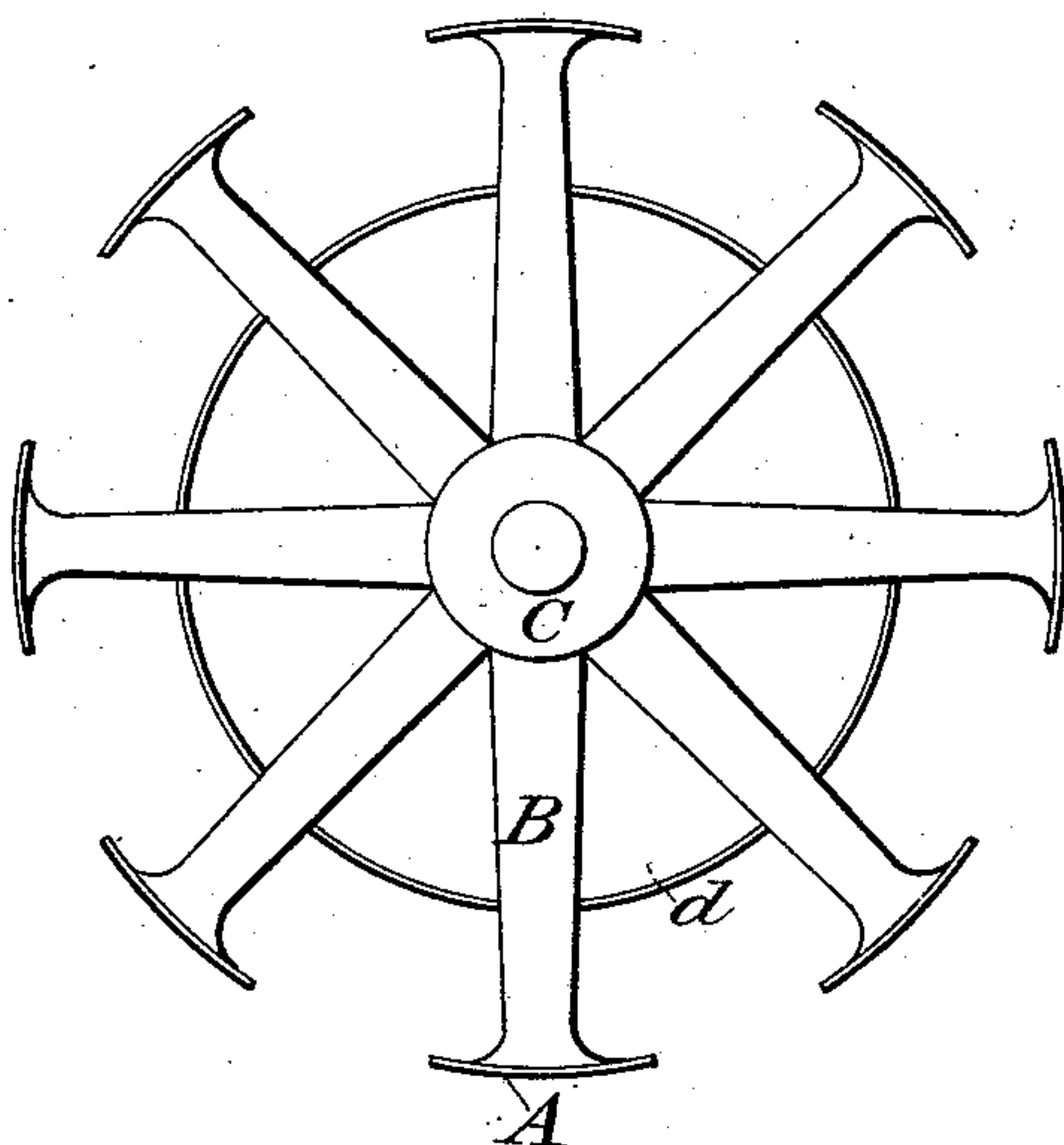


Fig. 1.



Witnesses:

Leander Hollowbrook
Konrad H. B. Schaefer

Fig. 3.

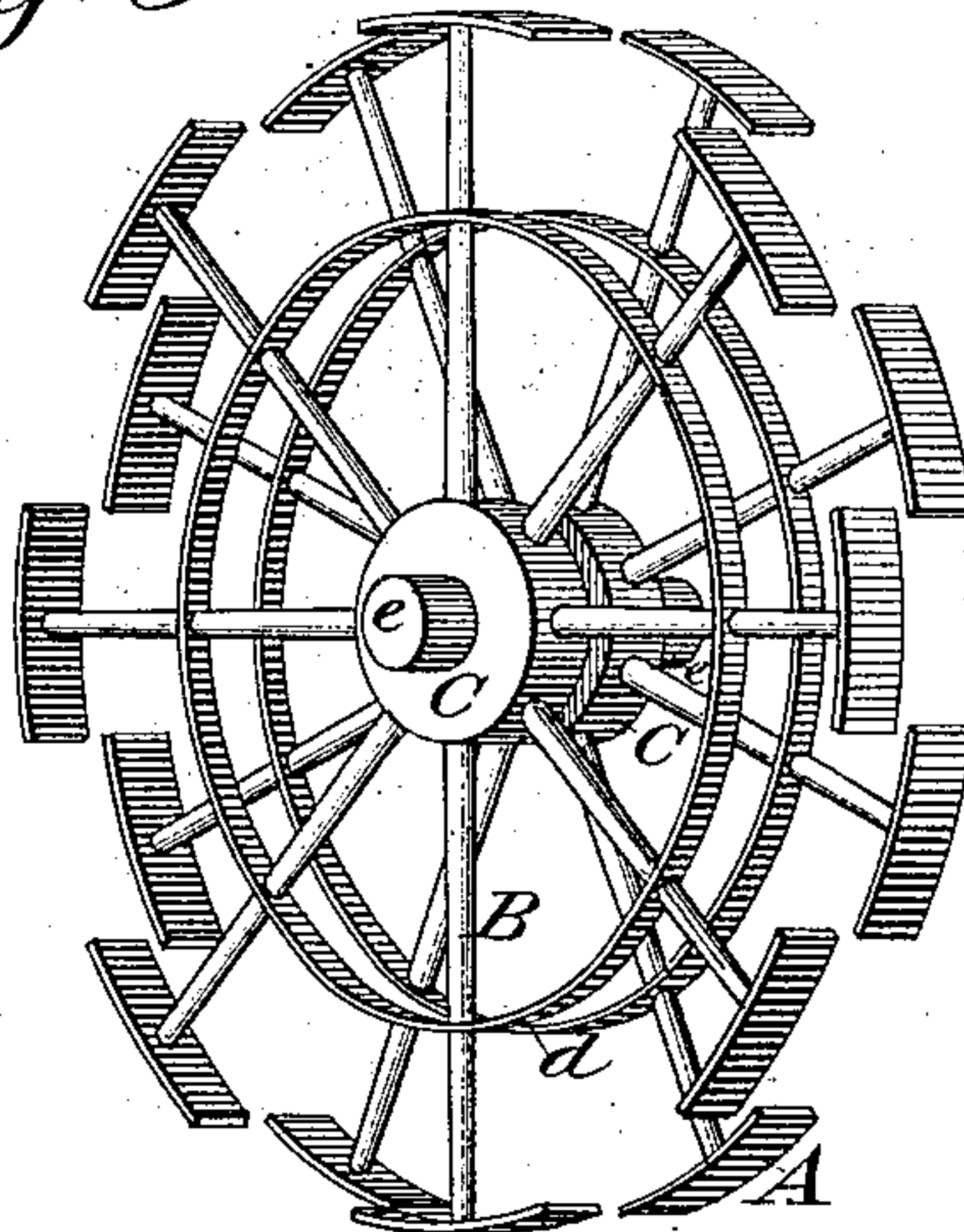
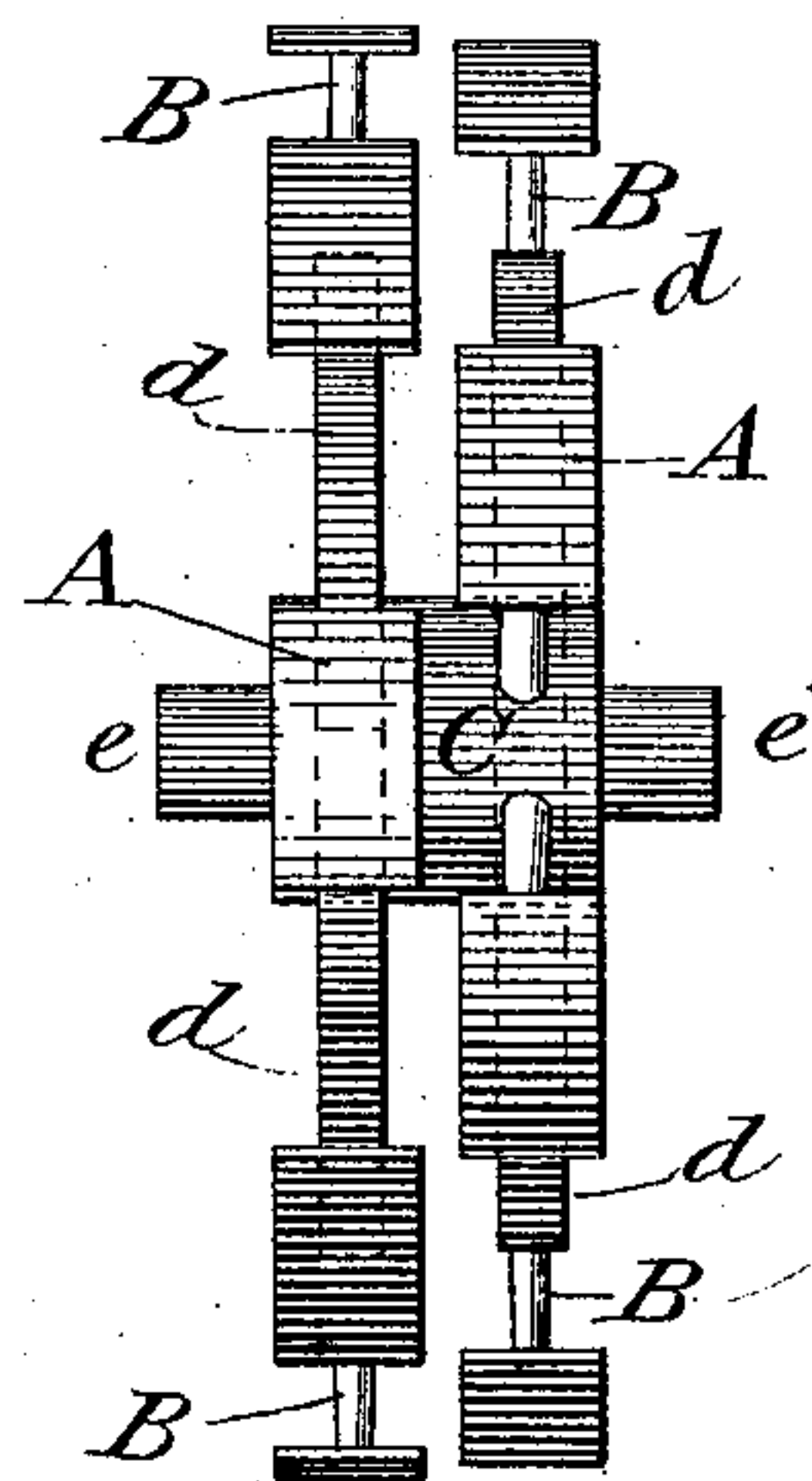


Fig. 2.



Inventor:

Konrad Schaefer.

UNITED STATES PATENT OFFICE.

KONRAD SCHAEFER, OF MILFORD, MASSACHUSETTS.

TRACTION-ENGINE DRIVING-WHEEL.

SPECIFICATION forming part of Letters Patent No. 243,463, dated June 28, 1881.

Application filed December 22, 1880. (No model.)

To all whom it may concern:

Be it known that I, KONRAD SCHAEFER, a citizen of the United States, residing at Milford, in the county of Worcester and State of Massachusetts, have invented a new and useful Traction-Engine Driving-Wheel, of which the following is a specification.

My invention relates to improvements in traction-wheels in which spokes and feet take the place of the wheel; and the objects of my improvements are, first, to provide feet so arranged that the bearing-surfaces do not follow each other in one continuous line; second, as the bearing-surface of the wheel is liable to slip its entire length of circumference, the sectional alternate arrangement, where the bearing-surface of each foot must strike on new ground, will obviate slipping. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation with single and double spokes to each foot; Fig. 2, a front elevation, showing the alternate parallel arrangement of the feet; Fig. 3, a perspective view of the two sets of feet secured parallel to each other on the same axis.

Similar letters refer to similar parts throughout the several views.

The feet A at one extremity of spokes B,

which are secured in the hub C, leave interspaces in the circumference or bearing-surface of the wheel. To provide for bearing-surface for the interspaces I secure a similar set of feet parallel to the other set, so that they furnish the bearing-surface, leaving similar interspaces to be covered by the previous set of feet, causing the appearance of alternate rotary stepping.

One hub may hold the parallel sets of spokes and feet; but to facilitate the casting of the same in metal I use separate hubs C C, Fig. 3, for each set, which are secured to the same axis *e e*. To insure greater strength a brace, *d*, is secured between the spokes of the same set.

I claim—

A traction-wheel composed of two or more sets of feet and spokes, A B, attached to a hub or hubs, C, and arranged in planes parallel to each other, with the bearing-surfaces of each set of feet acting alternately with the other set, substantially as and for the purpose set forth.

KONRAD SCHAEFER.

Witnesses:

LEANDER HOLBROOK, Jr.,
LEANDER HOLBROOK.