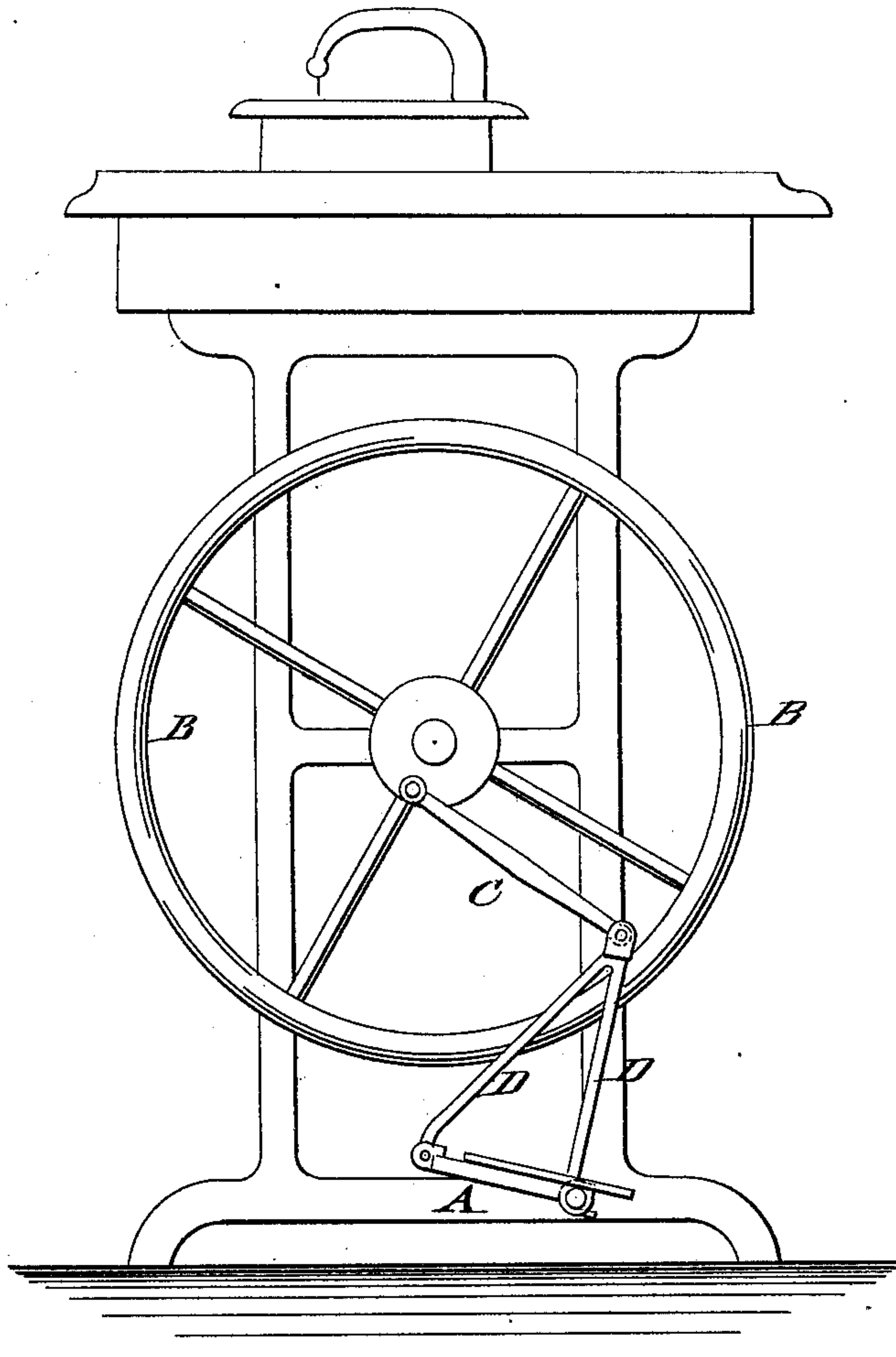


H. B. & C. J. BARBER.
TREADLE-MOTION.

No. 195,472.

Patented Sept. 25, 1877.



WITNESSES:

Chas. Nida.
J. H. Scarborough.

INVENTOR'S

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UNITED STATES PATENT OFFICE.

HENRY B. BARBER AND CLARK J. BARBER, OF SCOTT, NEW YORK.

IMPROVEMENT IN TREADLE-MOTIONS.

Specification forming part of Letters Patent No. **195,472**, dated September 25, 1877; application filed March 12, 1877.

To all whom it may concern:

Be it known that we, HENRY B. BARBER and CLARK J. BARBER, of Scott, in the county of Cortland and State of New York, have invented a new and useful Improvement in Treadle-Motion, of which the following is a specification:

The accompanying drawing represents a side elevation of our improved treadle-motion.

The object of our invention is to furnish an improved treadle-motion for sewing-machines, lathes, and other like machines, by which the working of the machines is facilitated and produced with less effort of the foot; and the invention consists of the combination of the swinging treadle with a pitman of inverted V shape, which is pivoted to the toe of the treadle and the supporting-rod of the same, and at the apex or upper end to the crank-rod of the fly-wheel.

In the drawing, A represents a treadle of the usual construction; B, the fly-wheel; C, the connecting crank-rod; and D, the operating-pitman.

The pitman D is made of inverted V shape, the front leg being permanently hinged to a sleeve at the lower end to the treadle-supporting rod, and the rear leg of the pitman pivoted to an arm or toe of the treadle.

The crank-rod C is pivoted to the angle or apex of the pitman, and transmits the rocking motion of treadle and pitman to the fly-wheel. The treadle requires only a light motion to rock the pitman, which again gives the required motion to the crank.

The elbow formed between pitman and crank transmits the power in more effective manner to the fly-wheel, requiring less effort to run the machine, and rendering thereby the working of the same less fatiguing and trying.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination, with the treadle and with the crank-rod, of a fly-wheel, a pitman of inverted V shape, pivoted to the supporting-rod of the treadle and the toe of the same, and to the crank-rod, to form an improved treadle-motion, substantially in the manner and for the purpose herein specified.

HENRY B. BARBER.
CLARK J. BARBER.

Witnesses:

WILLIAM COCHRAN,
MARY E. COCHRAN.