

N. Read,

Mechanical Movement.

No. 96615.

Patented Nov. 29, 1869.

Fig: 1.

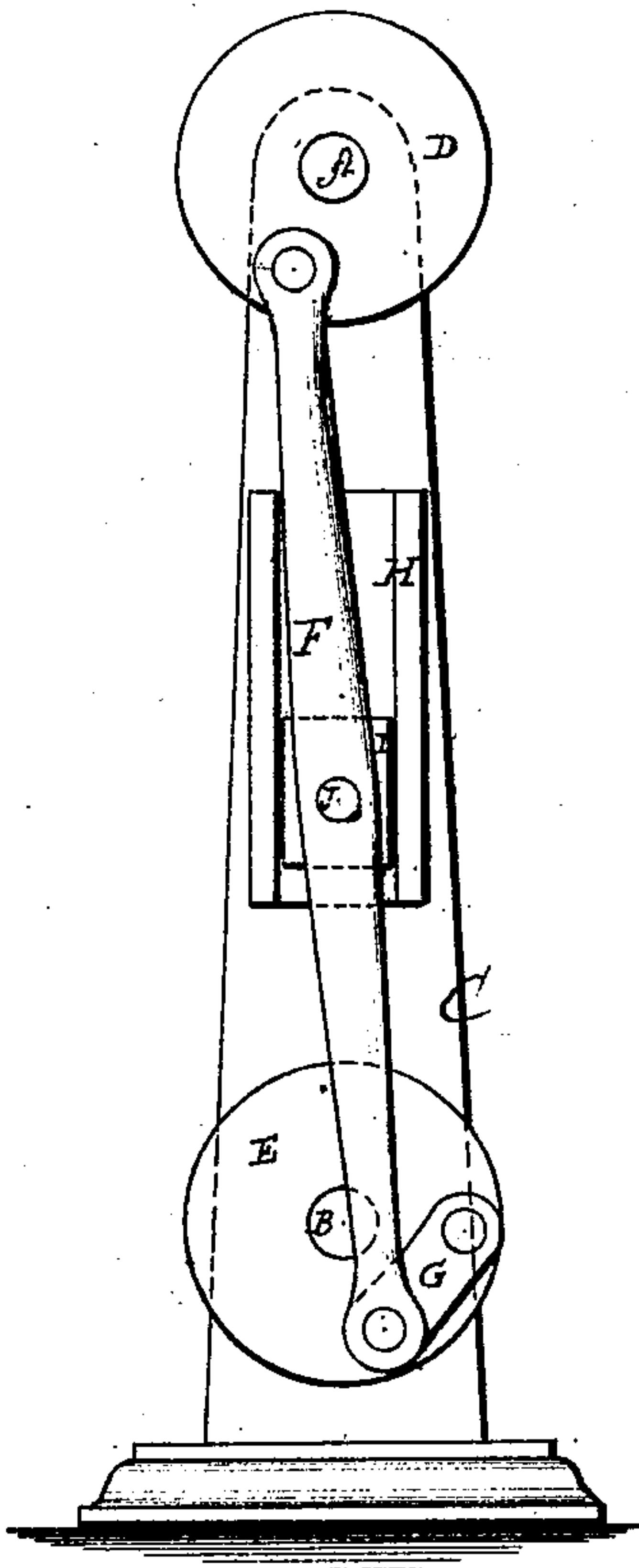
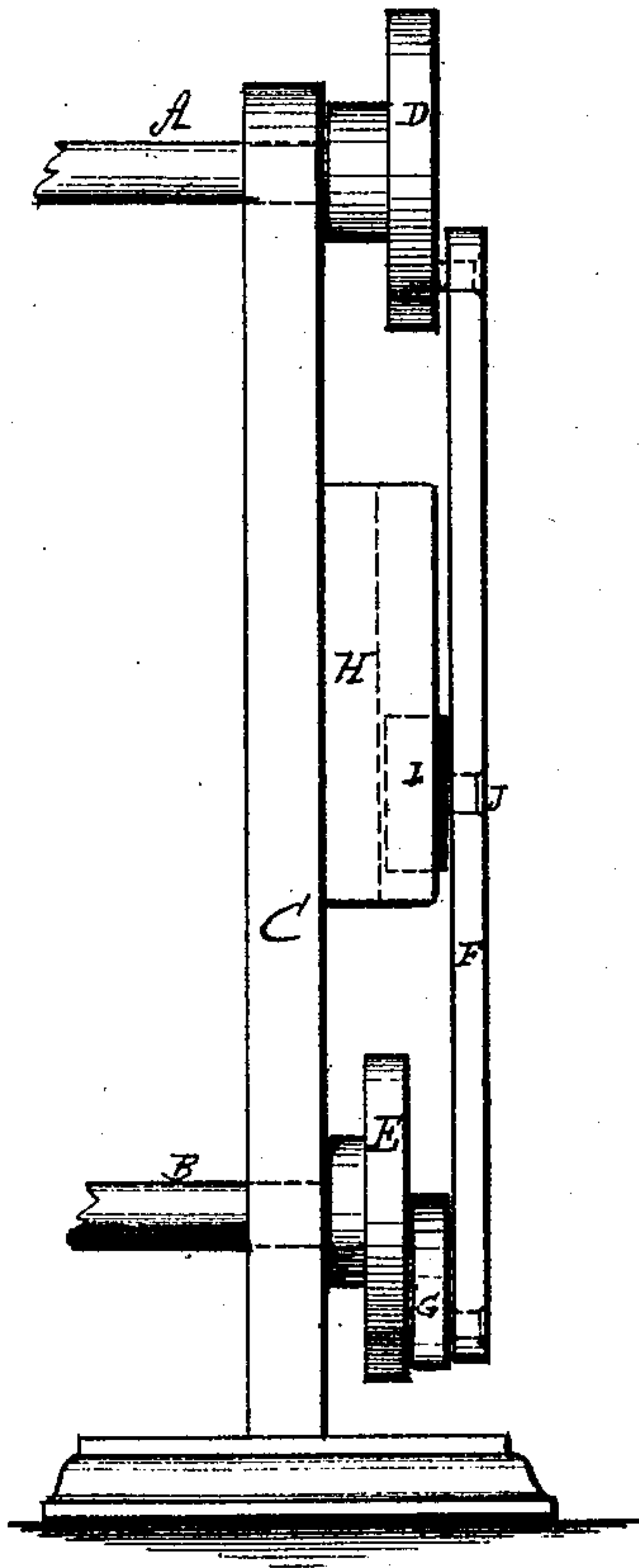


Fig: 2.



Witnesses:

Wm Dean Overell
Geo H Brooks

Inventor:

N Read
PER *Mmm*
Attorneys.

United States Patent Office.

NELSON READ, OF JEWETT CITY, CONNECTICUT.

Letters Patent No. 96,615, dated November 9, 1869.

IMPROVED MODE OF TRANSMITTING MOTION.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, NELSON READ, of Jewett City, in the county of New London, and State of Connecticut, have invented a new and improved Mode of Transmitting Motion; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to a new and improved method of transmitting motion from one revolving shaft to another, whereby belts and gear-wheels are dispensed with, and consists in the arrangements hereinafter described.

In the accompanying drawing—

Figure 1 represents a front view, and

Figure 2, a side view of the arrangement.

A and B are two shafts, supported by the vertical standards C.

D is a face-wheel on the shaft A, and

E is a face-wheel on the shaft B.

These two face-wheels are connected by the rod F.

At A, the rod is attached to a wrist-pin in the face of the wheel. At the other end, it is attached to a wrist-pin in a link, G, which link is attached to the face of the wheel E.

The lower end of the rod F does not describe a perfect circle, and the link G compensates for the variation from a true circle.

H is a grooved plate, faced on the standard C, on a line with the shafts A and B.

The connecting-rod F is pivoted to a block, I, which slides in a groove in the plate H as the rod is carried up and down by the face-wheels.

The pivot J, which connects the rod to the block I, forms a central swivel-joint, on which the rod oscillates.

The driving-power may be applied to either shaft. The shafts will revolve in opposite directions, while the motion will be transmitted from one to the other in a positive manner, without the aid of gearing, and, consequently, without noise.

This method of transmitting motion is admirably adapted to sewing-machines, and to many other useful purposes.

The above-described means for transmitting motion constitute a valuable improvement upon the patent granted to me, July 27, 1869.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The combination of a lever, F, swivelled to a block, I, with a grooved and fixed guide, H, the two disks D E, and the link G, as and for the purpose specified.

NELSON READ.

Witnesses:

H. H. OLIN,

J. E. PHILLIPS.