

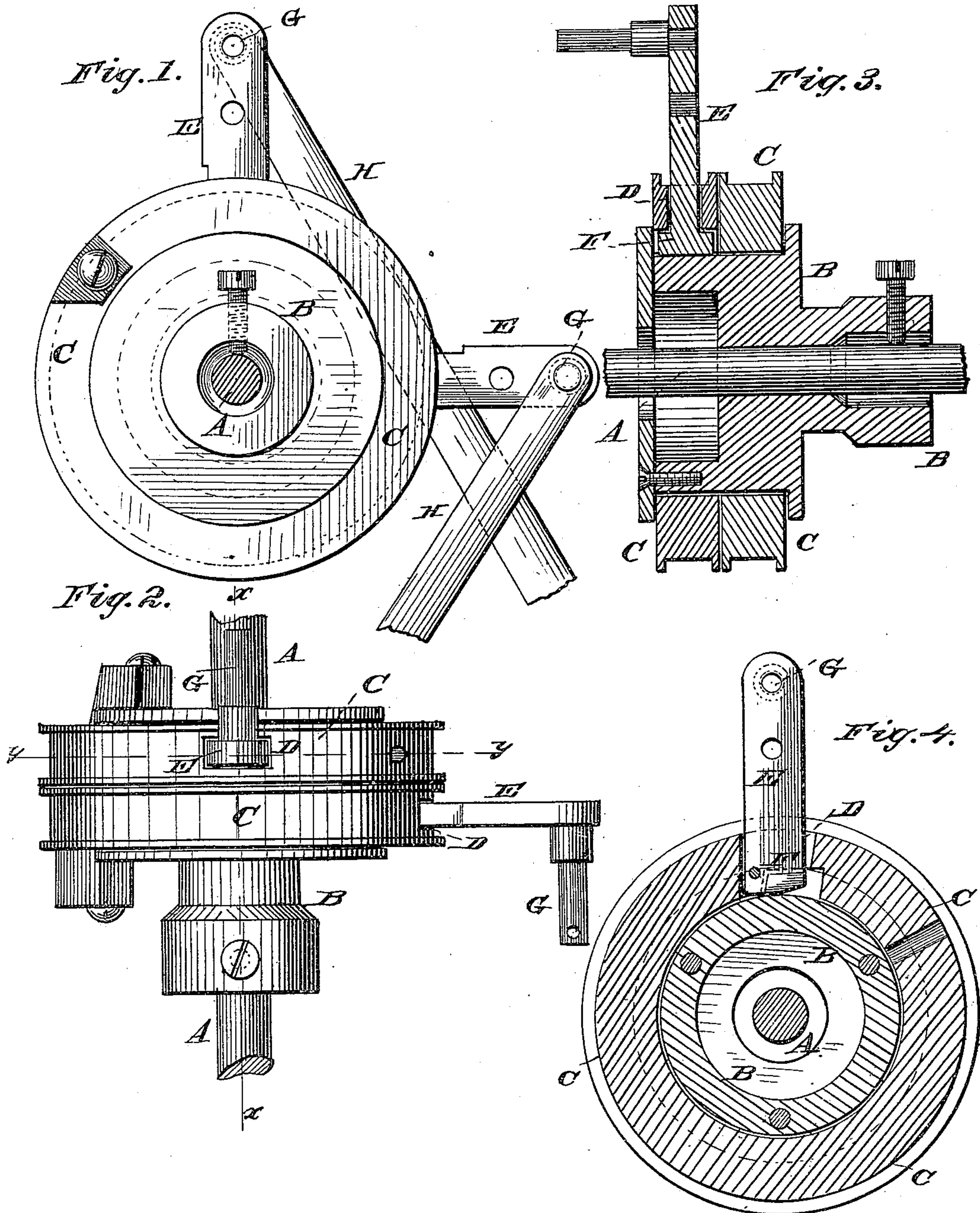
(Model.)

C. H. KELLOGG.

MECHANISM FOR IMPARTING A CONTINUOUS ROTARY MOTION TO THE
SHAFTS OF MACHINERY.

No. 248,758.

Patented Oct. 25, 1881.



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES H. KELLOGG, OF NORTH AMHERST, MASSACHUSETTS.

MECHANISM FOR IMPARTING A CONTINUOUS ROTARY MOTION TO THE SHAFTS OF MACHINERY.

SPECIFICATION forming part of Letters Patent No. 248,758, dated October 25, 1881.

Application filed September 10, 1881. (Model.)

To all whom it may concern:

Be it known that I, CHARLES H. KELLOGG, of North Amherst, in the county of Hampshire and State of Massachusetts, have invented certain new and useful Improvements in Mechanism for Imparting a Continuous Rotary Motion to the Shafts of Machinery; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a side view. Fig. 2 is a top view. Fig. 3 is a transverse sectional view on the line *x x*, and Fig 4 is a vertical sectional view on the line *y y*.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to mechanism for imparting a continuous rotary motion to the shafts of machinery; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents the shaft, and B a hub or sleeve mounted thereon to support the rings or bands C C, which are two in number, each being provided in its rim or periphery with a slot, D, in which is pivoted a lever, E, the inner end of which forms a dog, F, which by pressure upon the outer end of the lever may be brought to bear upon the rim or edge of the sleeve or hub B.

The levers E are provided at their outer ends with spindles G, upon which are pivoted pitmen H, connected to a suitably-arranged treadle.

The sleeve B may be attached upon the main shaft or, as in a sewing-machine, direct upon the side of the balance or fly wheel.

It will be observed that by this invention power is applied simultaneously on both sides of the longitudinal center of the shaft, thus avoiding dead-centers and enabling the machinery to be started at any point. Again, the entire power is applied on but one side of the hub, thus causing the whole power to be profitably utilized and making it unnecessary to operate the pitmen or stirrups on time with each other.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improvement in mechanical motors, the combination of a band or hub, the slotted rings or bands C, the levers E F, and the operating-pitmen, all arranged on one side of said hub, as described, for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

CHARLES HENRY KELLOGG.

Witnesses:

PERRY R. BROWN,
FORESTER P. AINSWORTH.