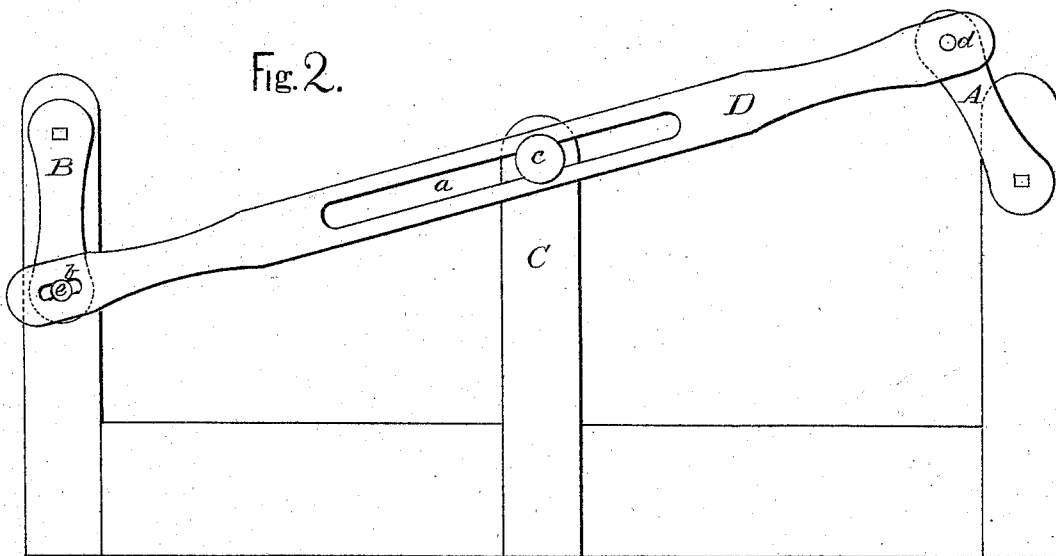
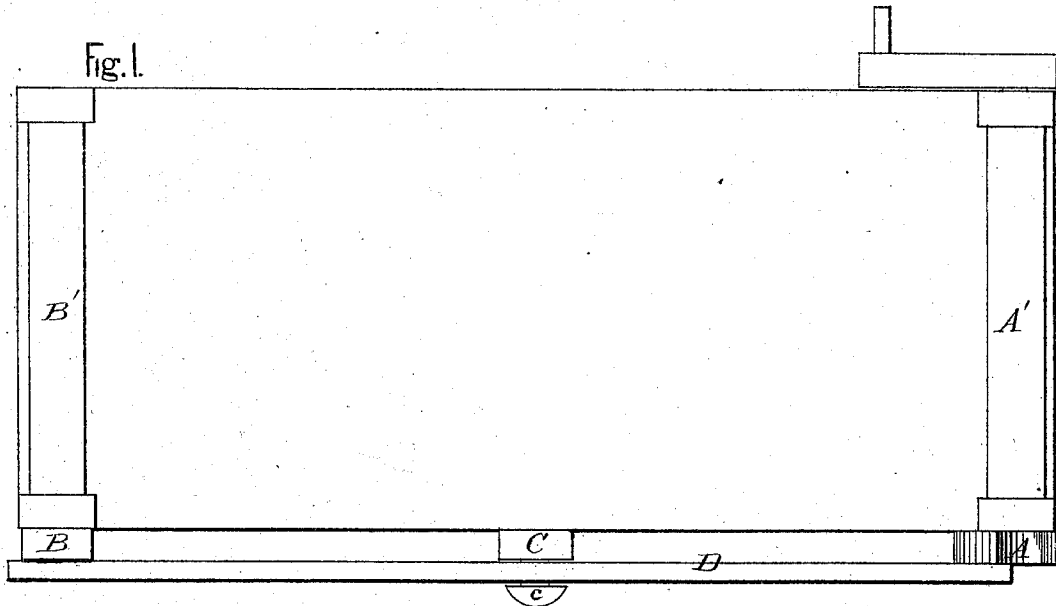


W. H. BENSON.

Devices for Transferring Motion.

No. 140,878.

Patented July 15, 1873.



WITNESSES.

Chas. F. Steele
E. H. Bates

INVENTOR.

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UNITED STATES PATENT OFFICE.

WILLIAM H. BENSON, OF WAYNESBOROUGH, VIRGINIA.

IMPROVEMENT IN DEVICES FOR TRANSFERRING MOTION.

Specification forming part of Letters Patent No. **140,878**, dated July 15, 1873; application filed March 22, 1873.

To all whom it may concern:

Be it known that I, WM. H. BENSON, of Waynesborough, in the county of Augusta and State of Virginia, have invented a new and valuable Improvement in Devices for Transferring Motion; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a top view of my device for transferring motion. Fig. 2 is a side view of the same.

This invention has relation to means for transferring motion from one shaft to another in an opposite direction; and it consists in the construction and novel arrangement of a connecting-lever, slotted at the middle and at one end longitudinally to play upon a fixed pin, and connected at its ends to crank-arms secured to the shafts.

In the accompanying drawings, the letter A designates the crank-arm of one shaft, A', and B the crank-arm of the other, B'. C indicates a fixed standard located about mid-

way between the shafts, in line between the crank-arms. This standard is provided, near its upper end, with a stud or pin, *c*. D represents the connecting-bar, slotted longitudinally along its middle portion at *a*, for connection with the pin *c* of the standard C. One end of the connecting-bar is pivoted to the crank-arm of one shaft at *d*, and the other end is provided with a short slot, *b*, which is connected with the pin *e* of the crank-arm of the other shaft.

When the shaft A is put in motion it will be communicated by the connecting-lever D to the shaft B, the rotation of the shafts being in opposite directions.

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

The sliding lever D, slotted at *a* and *b*, in combination with the guide-pin *c* and the crank-arms A and B, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM HENRY BENSON.

Witnesses:

JAS. B. RODEN,
WM. H. SHIREY.