(Model.)

J. S. SCHOONOVER.

Compound Crank.

No. 235,026. Patented Nov. 30, 1880.

Fig. 1.

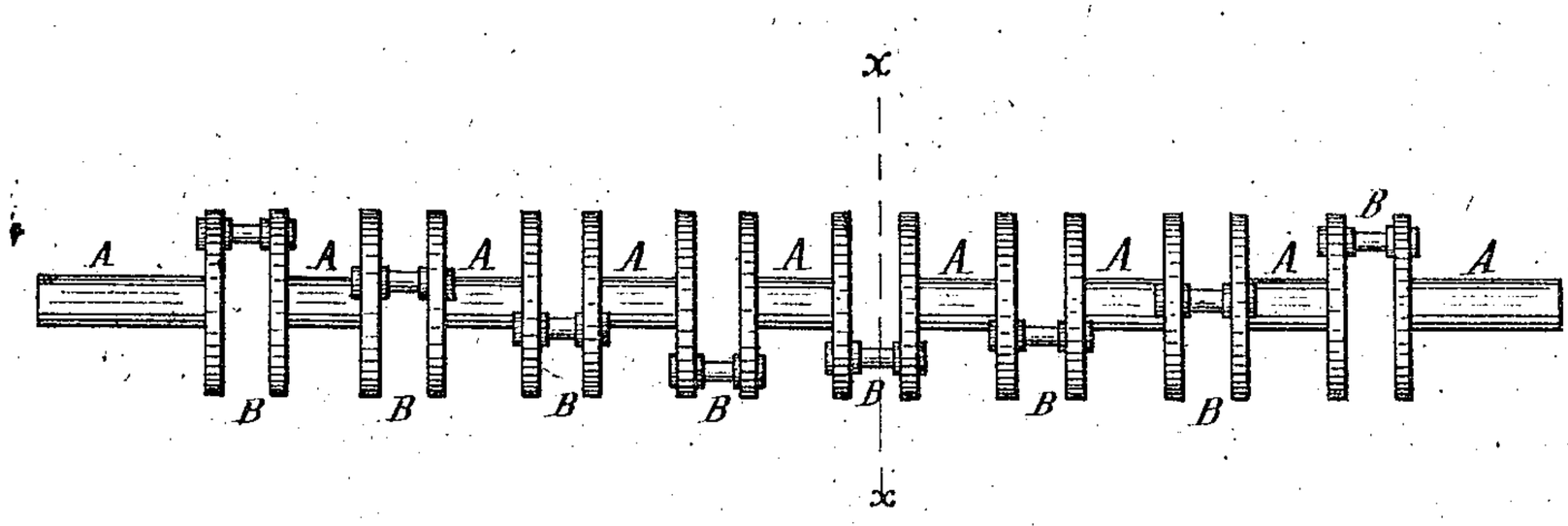
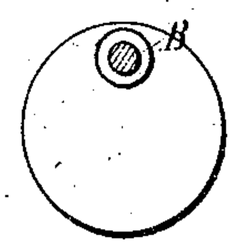


Fig. 2.



WITNESSES:

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BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES S. SCHOONOVER, OF TITUSVILLE, PENNSYLVANIA.

COMPOUND CRANK.

SPECIFICATION forming part of Letters Patent No. 235,026, dated November 30, 1880.

Application filed May 10, 1880. (Model.)

To all whom it may concern:

Be it known that I, JAMES S. SCHOONOVER, of Titusville, in the county of Crawford and State of Pennsylvania, have invented a new and Improved Compound Crank, of which the following is a specification.

The object of this invention is to provide a novel device whereby a series of connected machines or mechanisms may be given alternate and successive motion.

The invention consists of a series of cranks or eccentrics united by a central shaft and disposed at equal distances apart about the shaft, so as to form a complete spiral; and the device is especially adapted for imparting motion to series of stamps for crushing ores, &c., and more especially for pumps where a steady equal pressure is required.

Figure 1 is a longitudinal elevation of the device. Fig. 2 is a cross-section on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents the shaft. B B are the cranks or eccentrics, that are set so as to form a complete spiral about the said shaft from one end to the other thereof. In this instance eight cranks or eccentrics, B B, are shown as composing the spiral, each succeeding one set an eighth of a circle, or forty-five degrees, in advance of the other; but the number of them may be increased within the circle without departing from the principle of my invention.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

A compound crank constructed substantially as herein shown and described, consisting of several cranks or eccentrics arranged spirally at equal distances apart upon a central shaft, so as to form a complete spiral, as set forth.

JAMES S. SCHOONOVER.

Witnesses:
J. J. HOLDEN,
JNO. C. FARRINGTON.