

C. J. F. KRAFT.

Treadles for Sewing-Machines.

No. 136,377.

Patented March 4, 1873.

Fig. 1.

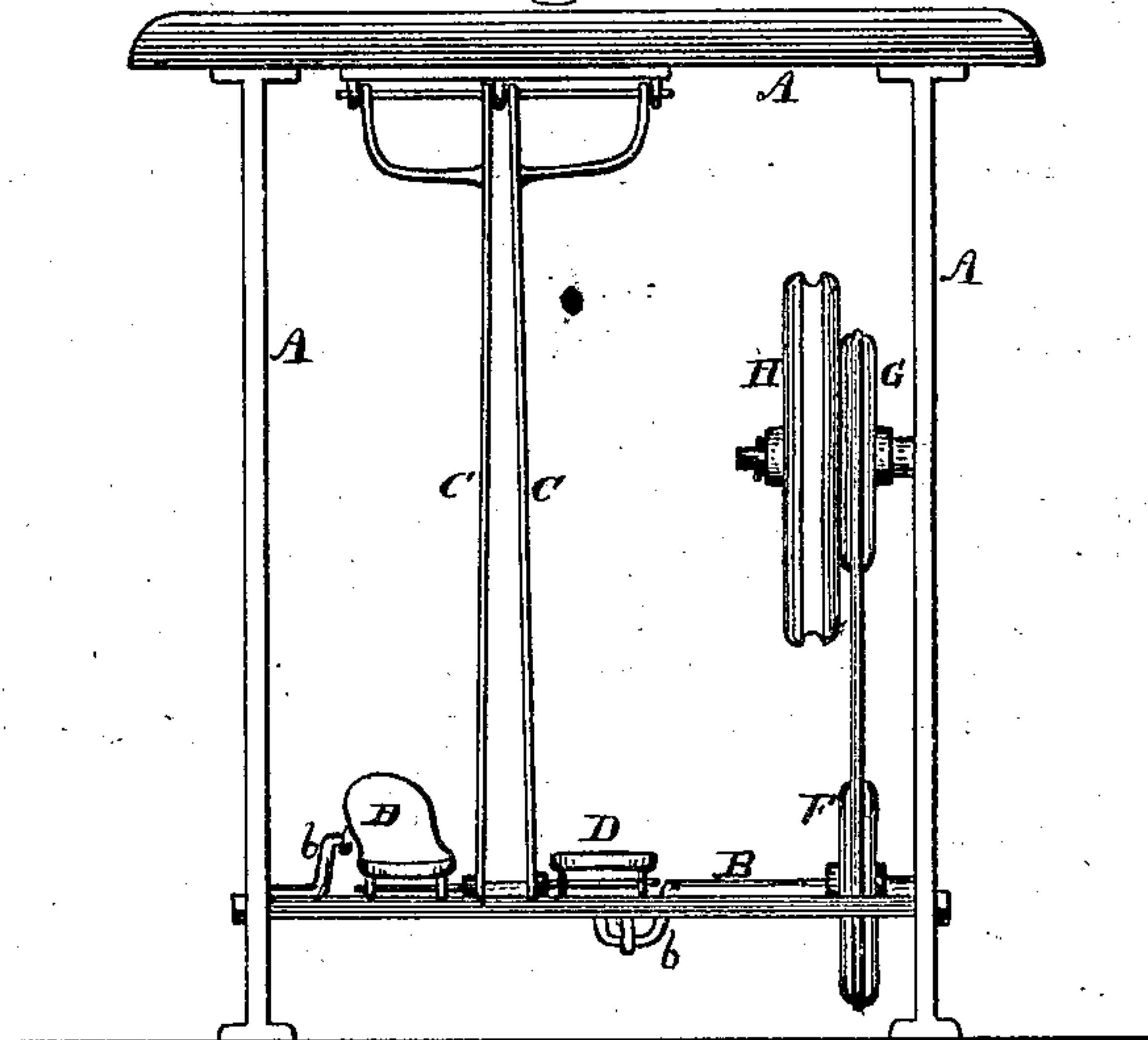
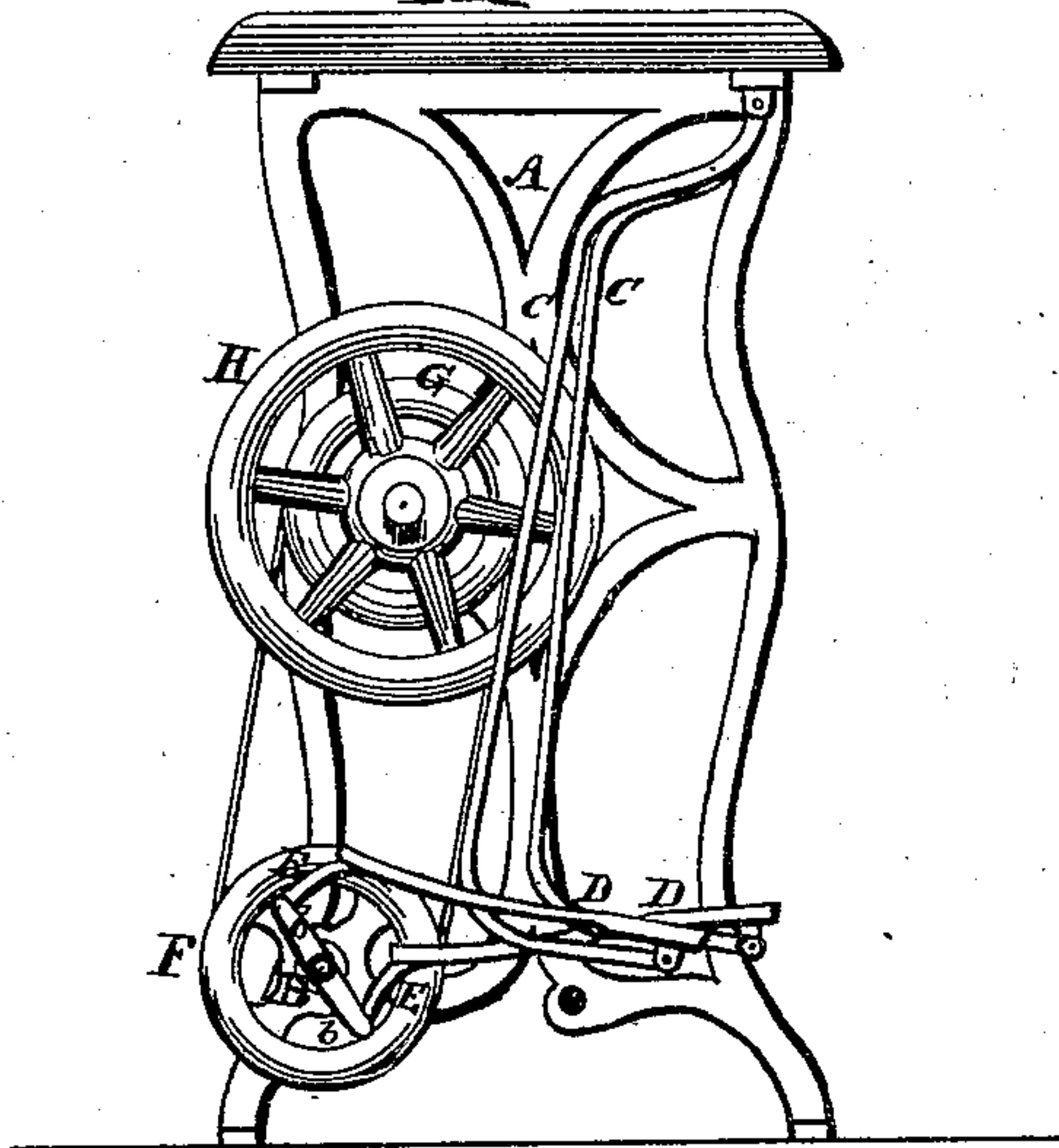


Fig. 2.



WITNESSES

Maggie E. Wilson
C. F. Brush

INVENTOR.

Charles J. F. Kraft
By Geo. W. Tibbitts atty.

UNITED STATES PATENT OFFICE.

CHARLES J. F. KRAFT, OF CLEVELAND, OHIO.

IMPROVEMENT IN TREADLES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **136,377**, dated March 4, 1873.

To all whom it may concern:

Be it known that I, CHARLES J. F. KRAFT, of Cleveland, county of Cuyahoga, State of Ohio, have invented an Improved Sewing-Machine Treadle, of which the following is a specification:

This invention relates to that class of treadles in which there are two sandals connected at the heels to swinging levers suspended to the table-top. The toes of said sandals are connected to cranks on a crank-shaft, located near the lower part of the stand.

Referring to the drawing, Figure 1 is a front or side view. Fig. 2 is an end view of a sewing-machine table, with part of stand or legs removed, showing my improved treadle.

A A represent a sewing-machine table, of the usual style. B is a crank-shaft, located near the floor, and having its journals arranged in the sides of the stand. C C are swing levers, suspended on the under side of the table-top, near the front edge. D D are sandals, pivoted at the heels to the lower ends of the levers C C, and which swing back and forth with the levers. The toes of the sandals have a forward-projecting arm, E, connecting with cranks *b b* on the shaft B. The cranks are

arranged opposite to each other, which gives an alternate motion to the treadles.

The feet of the operator have a regular walking motion, moving back and forth. At the same time the toes have an up-and-down movement, making this a kind of velocipede-treadle.

On the shaft B is a pulley-wheel, F, which is connected with a pulley, G, playing on a stud in the side of the table, and has also connected with it a balance-wheel, H.

I am aware that it is not new to attach the treadles to swinging levers pivoted to the table, and connecting with the cranks of the main shaft; and therefore I do not claim this combination, broadly; but

I claim—

The sandals D, when pivoted at their backs or heels to the swinging rods C, and connected directly to the crank-shaft B, situated below the drive-wheel, all constructed, arranged, and operating substantially as herein shown and described.

CHAS. J. F. KRAFT.

Witnesses:

D. C. MCINTOSH,
HERMAN F. KRAFT.