

(No Model.)

C. W. TAYLOR.

HAND MOTOR FOR SEWING MACHINES.

No. 327,349.

Patented Sept. 29, 1885.

Fig. 2.

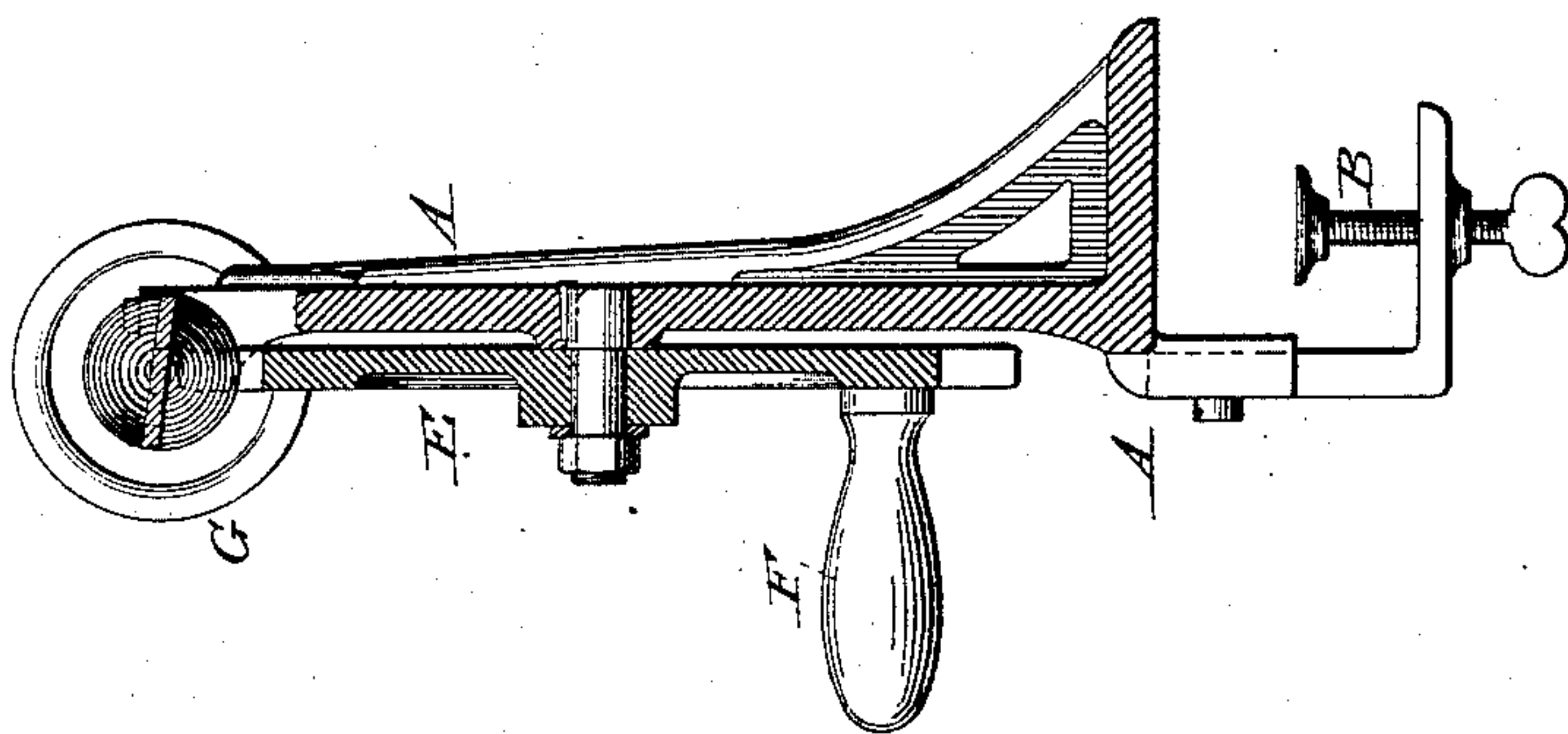
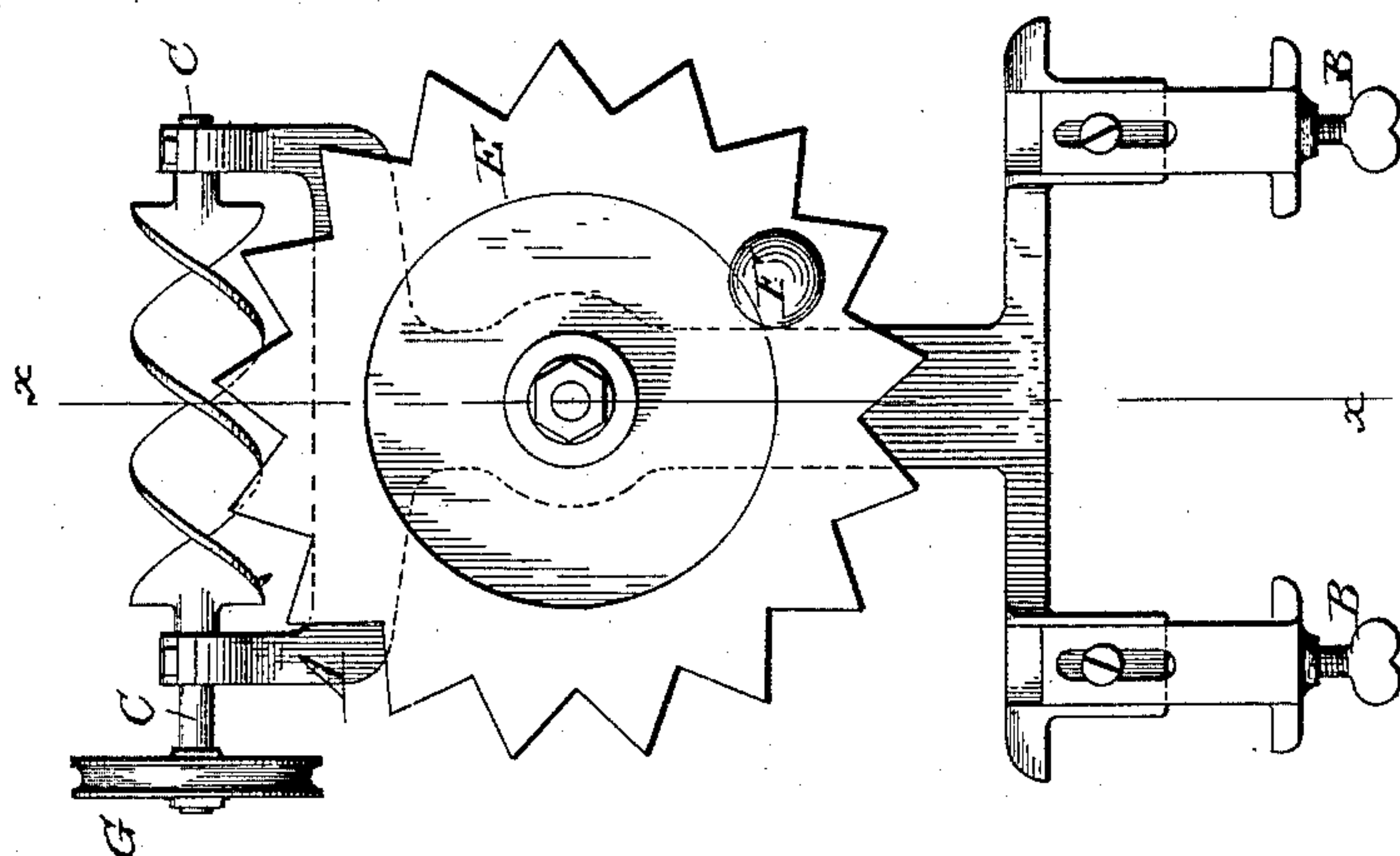


Fig. 1.



Attest.

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# UNITED STATES PATENT OFFICE.

CHARLES W. TAYLOR, OF GALLATIN, TENNESSEE.

## HAND-MOTOR FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 327,349, dated September 29, 1885.

Application filed July 31, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES W. TAYLOR, of Gallatin, in the county of Sumner and State of Tennessee, have invented certain Improvements in Hand-Motors for Sewing-Machines, of which the following is a specification.

This invention relates to portable hand-motors for application to existing sewing-machines, and is designed more particularly as an improvement upon the motor for which Letters Patent of the United States were granted to J. F. White, May 5, 1885, No. 317,057.

It is the aim of my improvement to produce a motor which may be actuated with greater ease, which will produce higher speed, and which will operate in a noiseless manner.

Referring to the drawings, Figure 1 represents a front elevation of my improved motor; Fig. 2, a vertical cross-section of the same on the line *x x*.

In the drawings, A represents a strong standard, having at its base clamps or jaws to embrace the edge of the sewing-machine table, with two thumb-screws, B, therein, to act against the under surface of the table and secure the standard firmly in position. The upper end of the standard is forked to receive and sustain the two ends of a horizontal shaft, C, the middle portion of which is constructed with a spiral thread or surface of sharp pitch. To the face of the standard there is journaled a vertical wheel, E, provided with an operating-crank, F, and having peripheral teeth, which engage the spiral portion of the shaft, as shown in the drawings, so that the rotation of the wheel will impart a relatively rapid rotation to the shaft. At one end the shaft is provided with

a pulley, G, having a flat or a grooved periphery, according to the character of the driving-pulley of the machine with which the motor is to be used.

In making use of the device it is attached in suitable position to the edge of the table with the crank toward the operator, and a belt or band extended from the wheel G of the motor to the driving-wheel of the machine.

In practice it is found that a motor thus constructed enables the operator to drive the machine at high speeds with a slight expenditure of labor, and without producing the disagreeable noise and clatter which results from the use of motors heretofore known in the art.

Having thus described my invention, what I claim is—

1. In a sewing-machine motor, the combination of the standard A, provided with clamping devices for attachment to the table, the wheel E and its operating-crank, the spirally-threaded shaft C, and the pulley G thereon.

2. The standard A, having its end provided with clamping-screws and its upper end forked, as described, in combination with the wheel E and its operating-crank attached to the standard, and the shaft C, having the spirally-threaded portion mounted between the arms of the standard, and the pulley G, applied to its end outside of said arms.

In testimony whereof I hereunto set my hand, this 7th day of July, 1885, in the presence of two attesting witnesses.

CHARLES W. TAYLOR.

Witnesses:

G. B. WRIGHT,  
J. F. WHITE.