

N<sup>o</sup>. 1. 936.

*A. Clark,  
Winding, Silk.*

*Patented Jan. 20. 1841.*

Fig. 3.

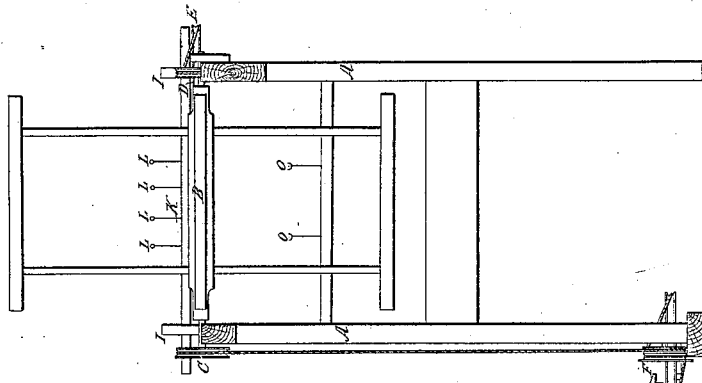


Fig. 2.

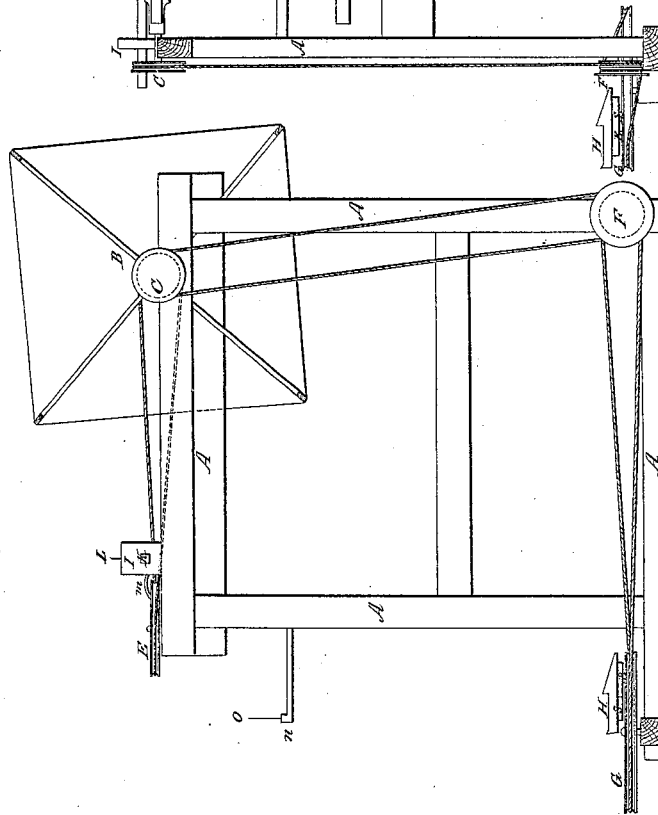
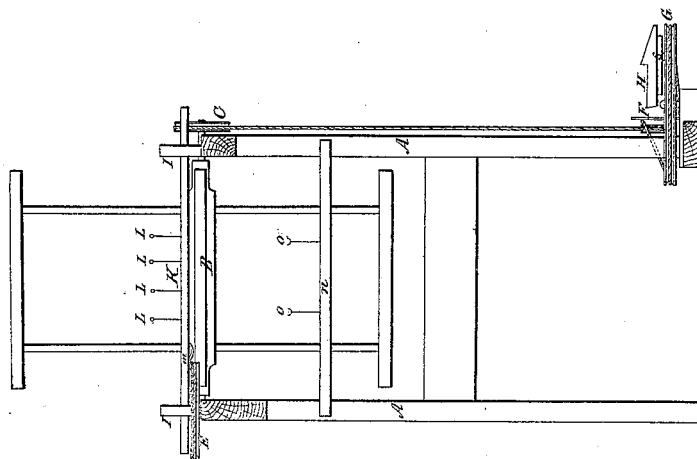


Fig. 1.



# UNITED STATES PATENT OFFICE.

AARON CLARKE, OF GREENWICH, CONNECTICUT.

## MODE OF DRIVING LIGHT MACHINERY WITH THE FOOT.

Specification of Letters Patent No. 1,936, dated January 20, 1841.

*To all whom it may concern:*

Be it known that I, AARON CLARKE, of Greenwich, in the county of Fairfield and State of Connecticut, have invented a new and Improved Mode of Reeling Silk; 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.

I construct a frame of two inch plank three feet two inches in length one foot ten inches in width and three feet two inches in height marked in the drawings A A A A. Upon the top of this frame and near one end I place my reel marked B having upon each end of its shaft a pulley four inches in diameter marked C and D (a space being cut in one side of the frame for the pulley D to run into as shown in drawing No. 3). A horizontal pulley is placed at the other end of the frame opposite the pulley D seven inches in diameter marked E these two are connected by a band. At the bottom of the frame and nearly under the pulley C, I place a double pulley marked F four inches in diameter and connected to C by a band. At the other end of the frame and upon the same side near the bottom I place another large pulley horizontally fourteen inches in diameter marked G, this is also connected to the double pulley F by a band. Upon the surface of this pulley near the outer edge is placed upright a pin marked P one inch in length. An oval board four inches in length marked S having a socket in the center of the pin to work in is placed upon the pin. Upon the top of the oval board S is fastened a shoe marked H, and by placing the foot in this shoe and turning the pulley H a motion is given to the reel. On the top of the frame two feet from the reel shaft two small pieces (one on each

side) are placed upright two inches in width and about six inches in height having a mortise through the top of each one inch square, these pieces are marked I I a small movable rod one inch square and two feet long marked K extends across the frame and slides in the mortises in the uprights I I. In this rod four wires about four inches in length are placed upright (and about four inches apart) having a ring in the top of each. These wires are marked L, L, L, L. The rod K is connected to the horizontal pulley E by means of a large wire fastened on a pivot near the out edge of pulley E and extending to the center of the rod K this wire is marked M.

N is a rod extending across the end of the frame and projected out about four inches from it having two wires in it standing upright with a ring in the top of each through which the silk passes from the cocoons to the rings in wires L, L, L, L. These two wires are marked O O. The rod N is placed across the end of the frame as shown in drawing No. 2.

I do not claim as my invention the method of propelling or driving silk reels or other light machinery by means of the arrangement of wheels and bands or of actuating the horizontal wheel by means of a crank handle, but—

What I do claim as my invention and desire to secure by Letters Patent is—

The combination of the pin on the horizontal wheel, the oval board having a socket in it for the pin to work in, and the shoe attached to the oval board to receive the foot of the operator as herein described.

AARON CLARKE.

Witnesses:

CHAS. W. WILLSON,  
SAMUEL CLOSE.