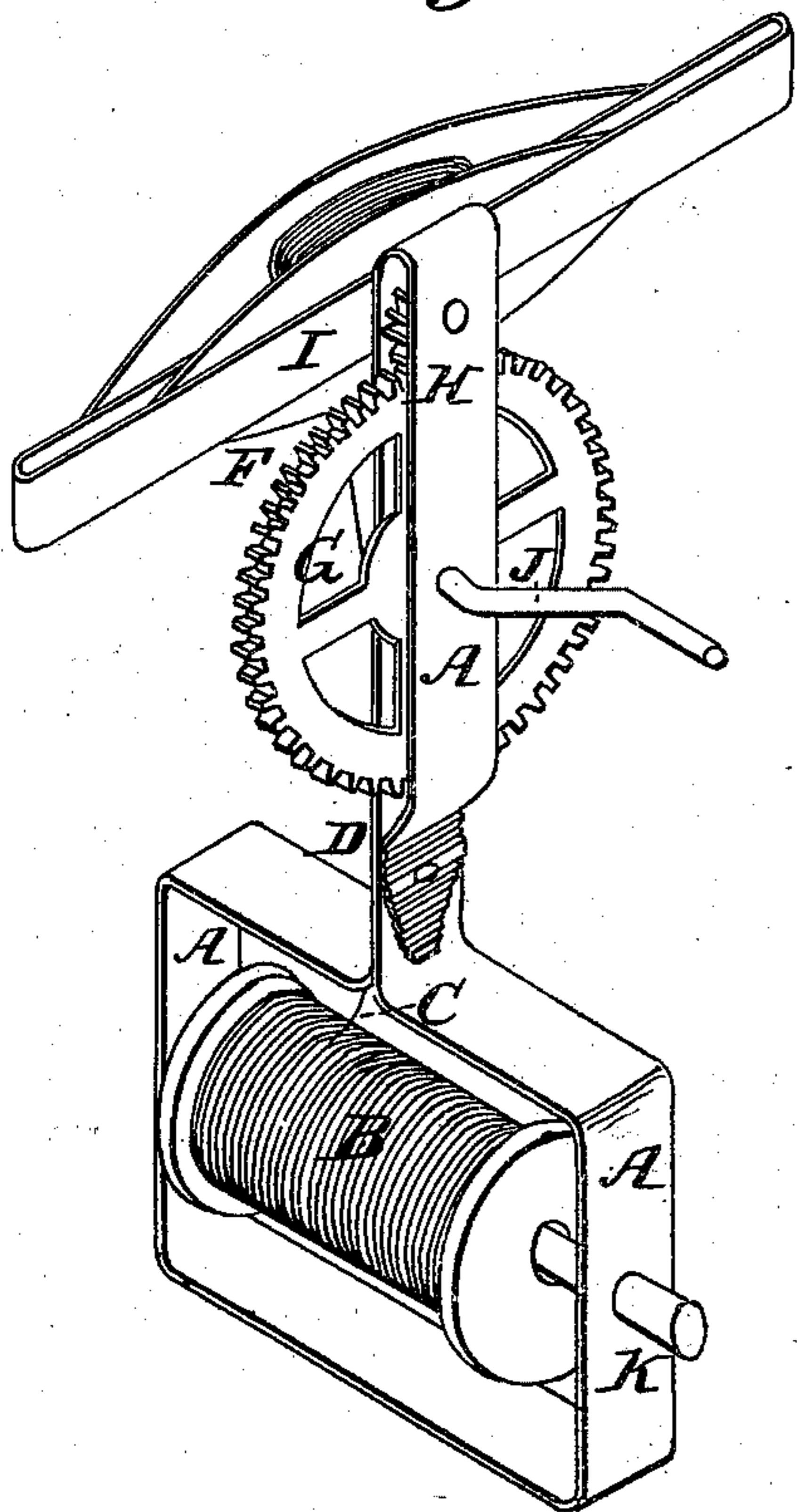


J. D. Moore.
Winding Bobbin

Nº 60,407.

Patented Dec. 11, 1866.

Fig. 1.

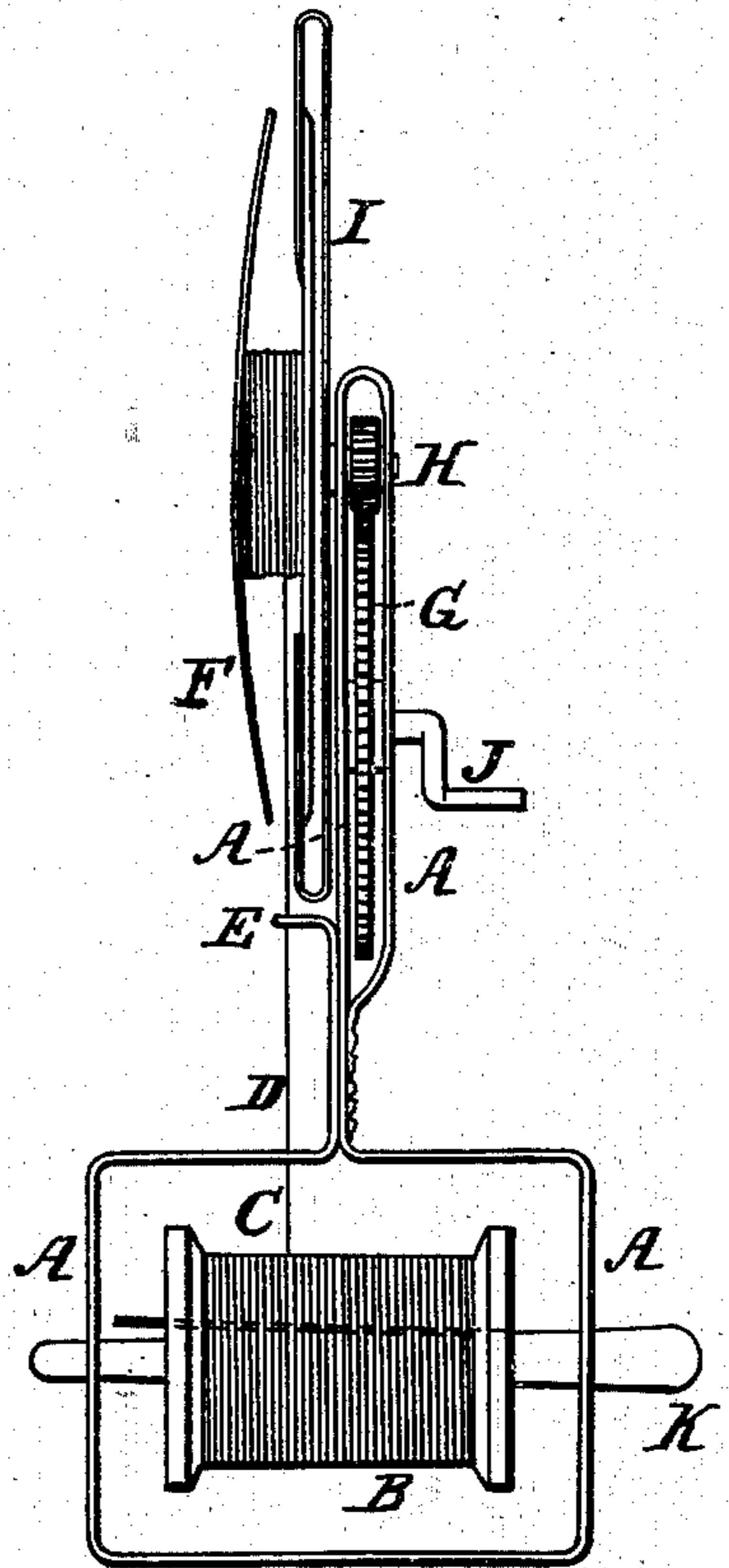


Witnesses.

W. Platts.

Chas. H. Spencer.

Fig. 2.



Inventor.

James D. Moore.

United States Patent Office.

TATTING-SHUTTLE WINDER.

JAMES D. MOORE, OF GRINNELL, IOWA.

Letters Patent No. 60,407, dated December 11, 1866.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES D. MOORE, of Grinnell, in the county of Poweshiek, and State of Iowa, have invented a new and useful machine for Running Thread upon Tatting Shuttles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, which will enable others skilled in the art to make and use my invention, reference being had to the accompanying drawings, making a part of this specification.

My invention consists of a machine so arranged that thread may be taken from a spool and run upon a Tatting Shuttle by turning a crank which is attached to the machine.

Figure 1 is a perspective view.

Figure 2 is a plan view of the machine.

A shows the frame of the machine, which may be made of sheet-brass three eighths of an inch in width and of one continuous piece. B represents the spool that holds the thread, which turns upon the pin, K. C shows the thread, which passes through the frame at D, passing thence through the eye at E, and from this point to the shuttle at F. G shows the larger cog-wheel, which works the small wheel and shaft, H. I is a spring constructed with a curve at each end, which holds the shuttle in its place and also opens the jaws of the shuttle so as to receive the thread freely. This spring is made fast to the shaft, H, which shaft is operated by turning the wheel, G. This motion is created by turning the crank, J.

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

1. The frame A, formed of a single piece of metal and bent into form, substantially as described, in combination with the wheels G and H and spool B, supported in said frame, as set forth.

2. I also claim, in combination with said frame, the spring I, which holds the shuttle in its place and opens the jaws of the shuttle to receive the thread freely, substantially as specified.

JAMES D. MOORE.

Witnesses:

W. PLATTS,

CHAS. H. SPENCER.