

(No Model.)

G. K. WINCHESTER.
STOP MOTION FOR BRAIDING MACHINES.

No. 280,109.

Patented June 26, 1883.

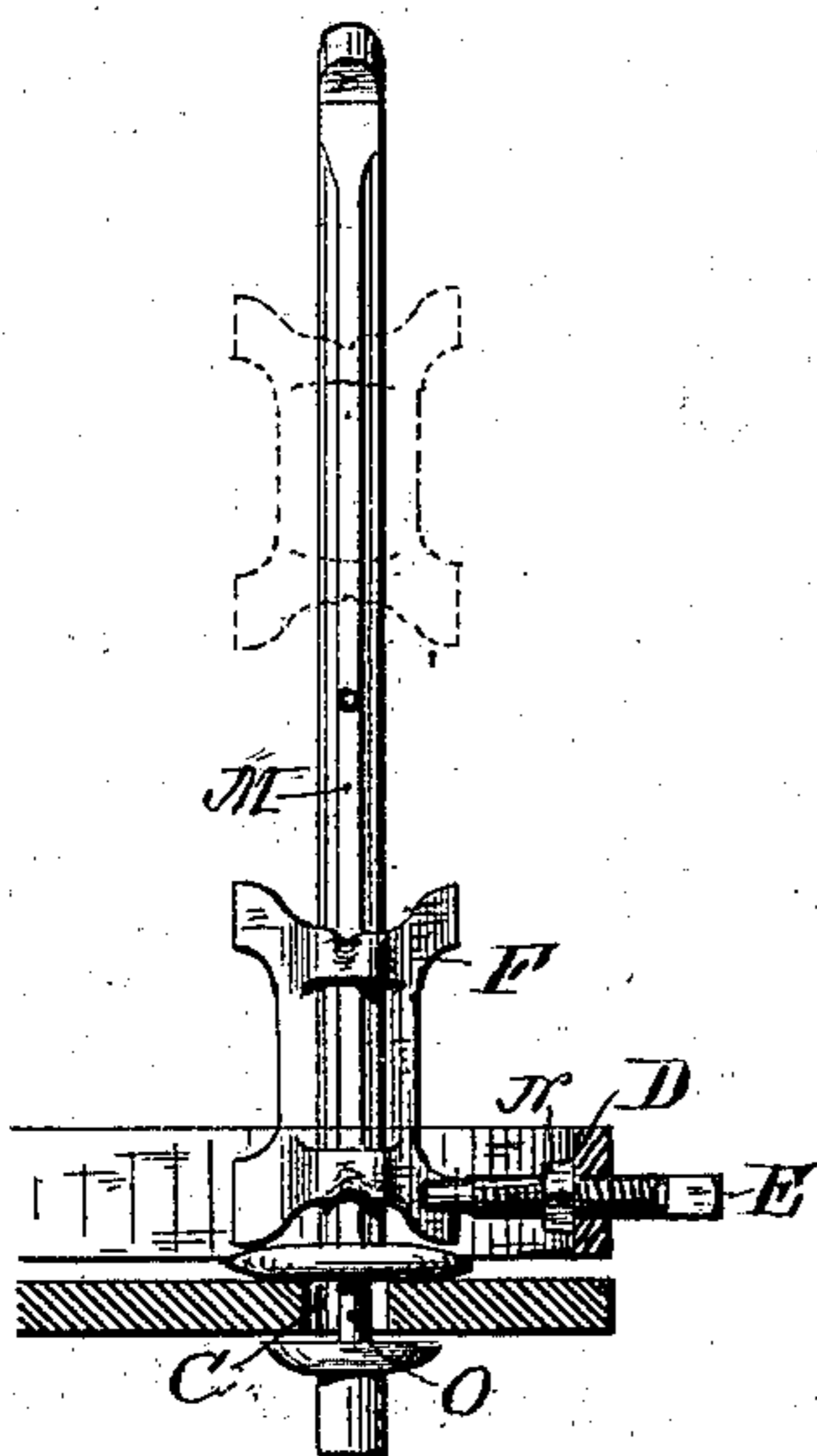
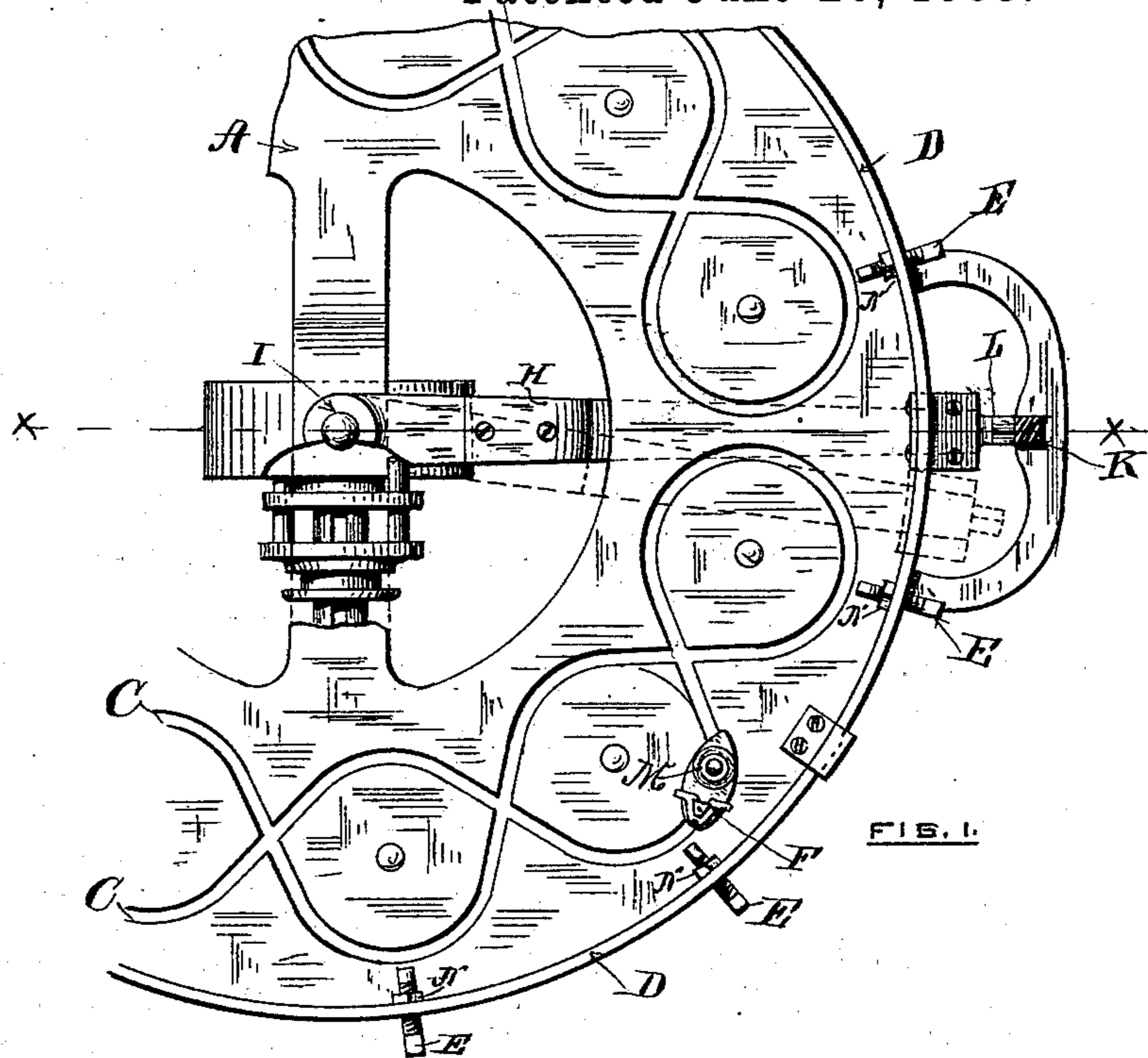


FIG. 3.

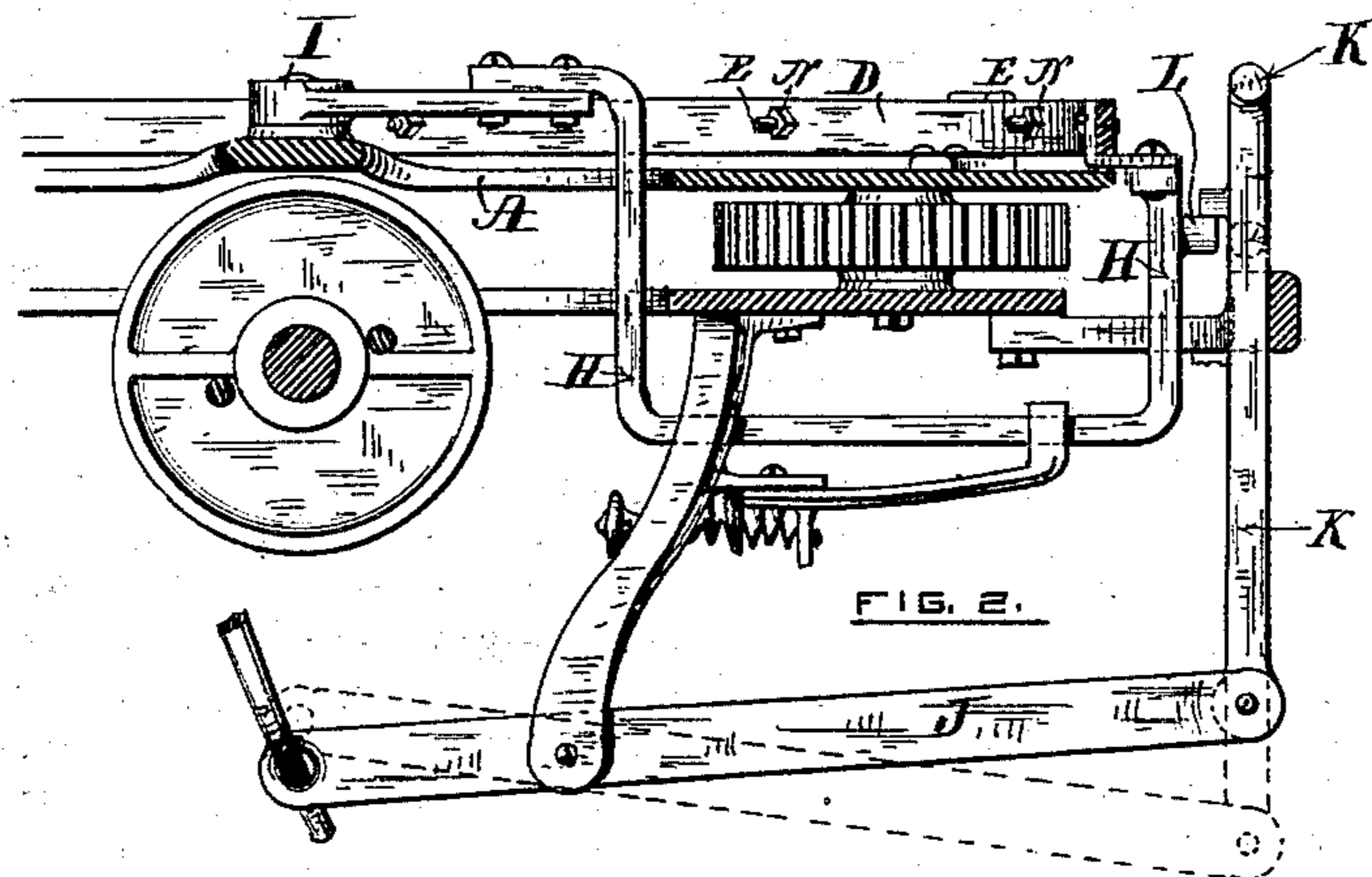


FIG. 2.

WITNESSES.

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GILMAN K. WINCHESTER, OF PROVIDENCE, RHODE ISLAND.

STOP-MOTION FOR BRAIDING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 280,109, dated June 26, 1883.

Application filed December 8, 1880. (No model.)

To all whom it may concern:

Be it known that I, G. K. WINCHESTER, of Providence, in the county of Providence, in the State of Rhode Island, have invented an
5 Improvement in Stop-Motions for Braiding-Machines; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked
10 thereon.

The nature of my invention consists in providing striking-points for the tension-weights of the carriers, by means of adjustable screws, held radially in the stop-motion rim, by means
15 of screw-thread and check-nut; and the object of my invention is to provide means for adjusting the striking-points of the stop-motion rim, in order to compensate for the wear of the grooves of the braider-plate, of the guides of
20 the carriers, and of the tension-weights which engage with the stop-motion rim.

Figure 1 is a plan view of a portion of the braider-plate and of the stop-motion rim. Fig. 2 is a section of the same, taken in the
25 line *xx* of Fig. 1. Fig. 3 is a detail section of the braider-plate and stop-rim.

In the drawings, A is the braider-plate, provided with the carrier-grooves C. The stop-motion rim D hangs just over the outer edge
30 of the plate A and swings on the pivot I, to which connection is made by means of the curved arm H, which passes under the braider-

plate. Radial holes are bored in the rim D at proper distance from each other, and tapped to receive the set-screws E E, the inwardly-
35 projecting points of which serve to receive the blow from the fallen tension-weight F, causing the machine to stop by depriving the shipper-lever J and handle K of their support at L, and allowing them to drop to the position
40 shown by the dotted lines in Fig. 2. The screws E E are easily adjusted by means of a wrench, and are firmly held in the proper position by means of the check-nuts N, which
45 bear against the side of the rim D. By means of the set-screws E in the stop-rim the wear of the points of the screws, of the horns of the tension-weights F, of the groove C in the braider-plate, and of the guide O of the carrier M may be properly compensated, and the
50 several parts be thus made to last in practical use for a much greater length of time, thus securing a high degree of efficiency and economy.

I claim as my invention—

55 The combination of the stop-motion rim D, screws E, and check-nuts N with the grooved plate A, carrier M, and tension-weight F, substantially as described.

GILMAN K. WINCHESTER.

Witnesses:

SIMON S. LAPHAM,
OSCAR LAPHAM.