

(No Model.)

M. B. BANOWETZ.

SAW TABLE GAGE.

No. 322,775.

Patented July 21, 1885.

Fig. 1.

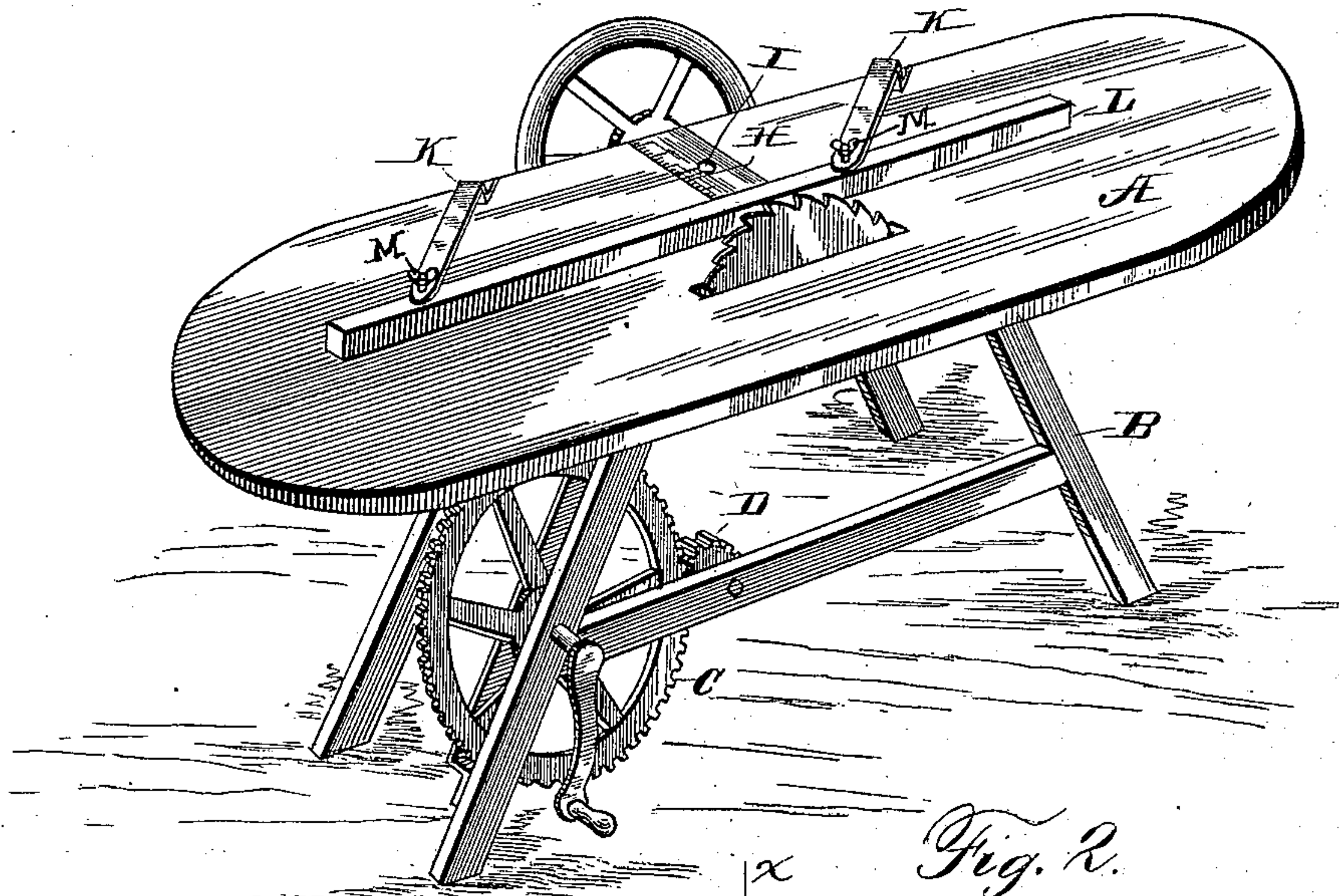


Fig. 2.

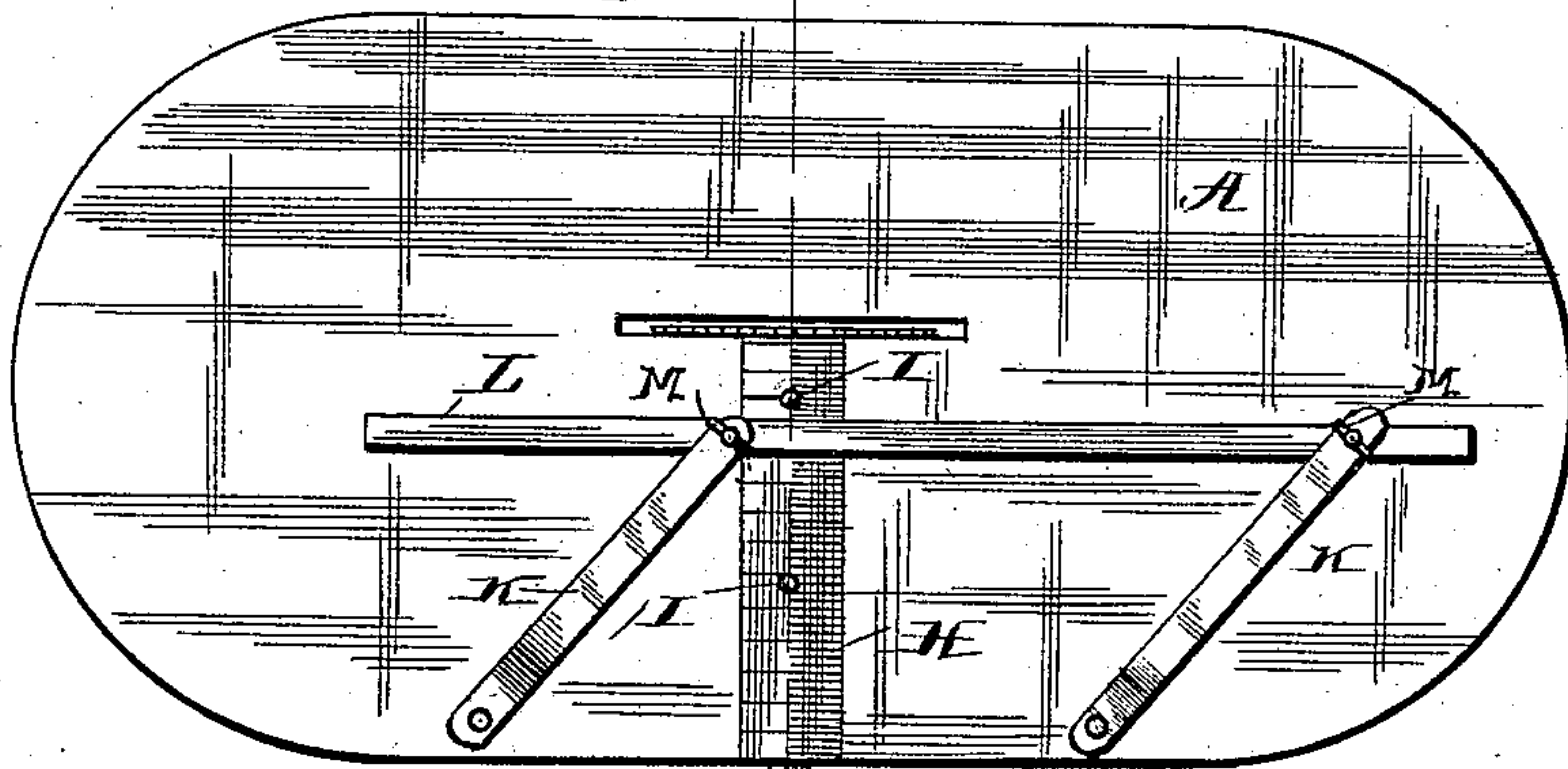
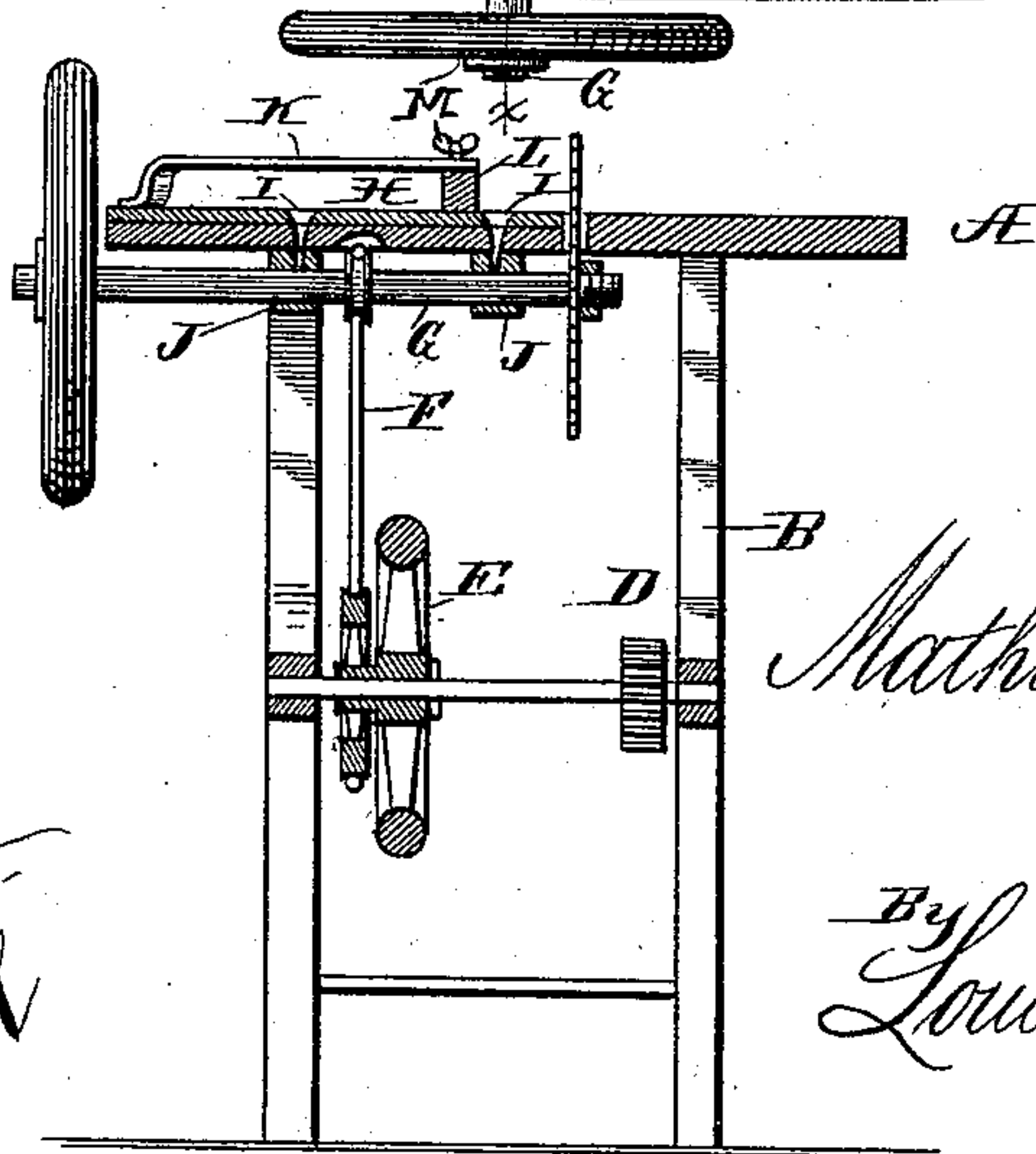


Fig. 3.



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UNITED STATES PATENT OFFICE.

MATHIAS B. BANOWETZ, OF BROWN'S, IOWA.

SAW-TABLE GAGE.

SPECIFICATION forming part of Letters Patent No. 322,775, dated July 21, 1885.

Application filed May 25, 1885. (No model.)

To all whom it may concern:

Be it known that I, MATHIAS B. BANOWETZ, a citizen of the United States, and a resident of Brown's, in the county of Clinton and State of Iowa, have invented certain new and useful Improvements in Circular Sawing Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved machine. Fig. 2 is a plan view of the same, and Fig. 3 is a cross-section on line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts in all the figures.

My invention relates to circular sawing machines, and my object is to provide a compact, light, and handy machine that will perform any required amount of work in a satisfactory manner; and it consists in the improved construction and combination of parts of the same, as will be hereinafter more fully described and claimed.

In the drawings, A denotes the bed or table of the machine, which is mounted upon the frame B. Between the sides of this frame are journaled the shafts of the power-transmitting mechanism, said mechanism consisting of a cog-wheel, C, a pinion, D, and a fly and pulley wheel, E. Over pulley-wheel E passes the band F, which operates the saw-arbor G.

H is a metal plate, which is embedded in the table A, and upon this plate is marked a scale or measure. This plate has two apertures, I, which form oil-cups for lubricating the bearings J of the saw-arbor G.

Two arms, K, are pivoted at one of their

respective ends near the edge of the table, and are connected at their other ends to a bar, L, by set-screws M. Bar L is made to register with the scale upon plate H at different intervals, according to the angle of arms K. For instance, if it is desired to saw a piece of lumber five inches in width, the bar L is made to register with the five-inch mark upon the scale, and the thumb-screws are tightened, thus retaining the bar in this position, and the lumber being fed to the saw with one edge of it facing the said bar it will be sawed the desired width.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation and advantages of this machine will readily be seen. As it can be made light and transportable, and may be run by foot-power, horse-power, or steam, it is therefore especially adapted to the use of carpenters, coopers, cabinet-makers, &c.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In a circular sawing machine, the combination of the table, the adjustable bar and pivoted arms upon said table, and a metal gage or scale plate embedded in said table and provided with cup-shaped recesses apertured at their lower ends and registering with the boxes below the table, in which the saw-arbor is journaled, substantially as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

MATHIAS B. BANOWETZ.

Witnesses:

Z. DE GROAT,
C. H. RILEY.