

(No Model.)

J. B. THIES.

MEASURING DEVICE AND REGISTER FOR FENCING MATERIAL.

No. 327,905.

Patented Oct. 6, 1885

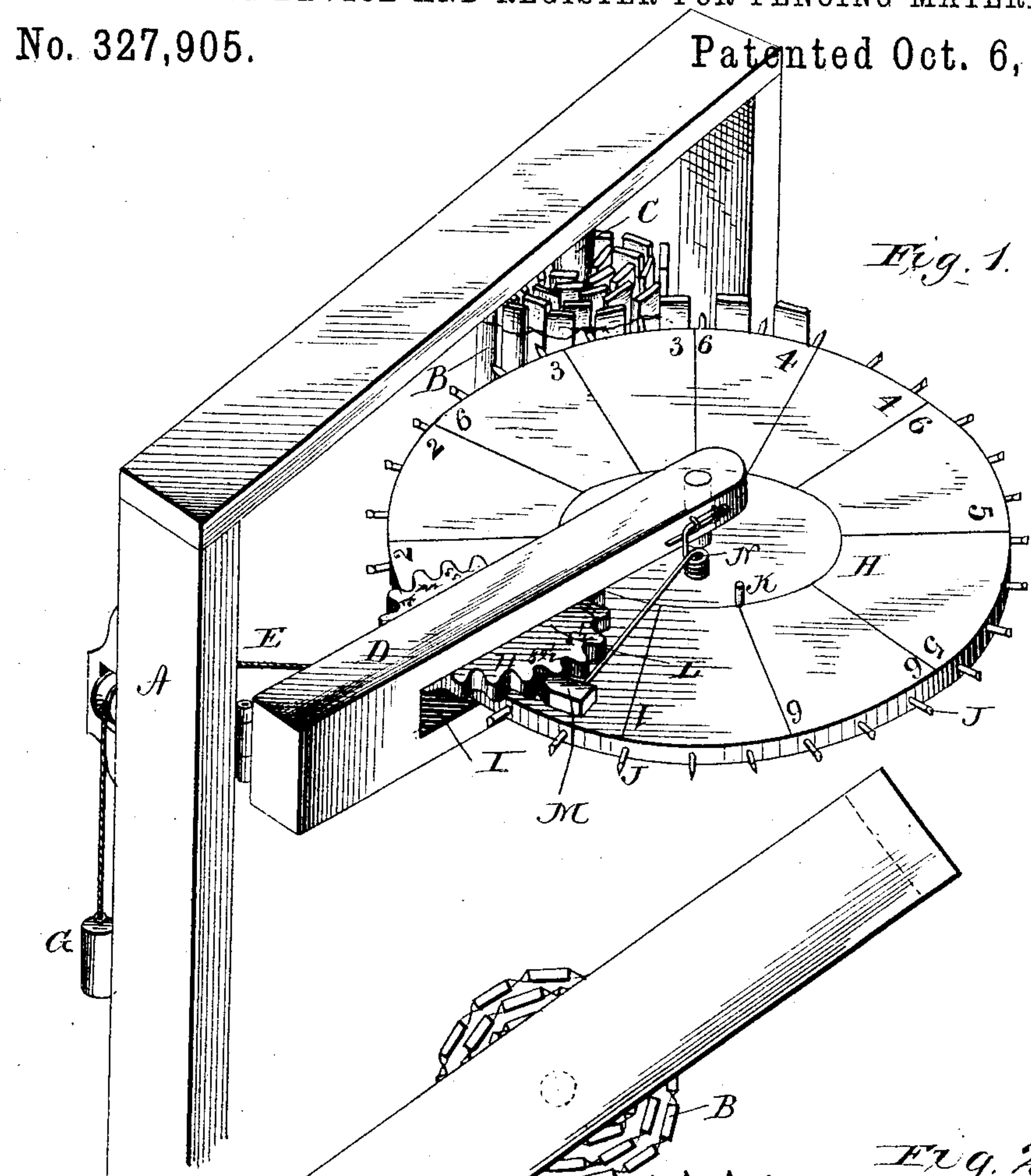


Fig. 1.

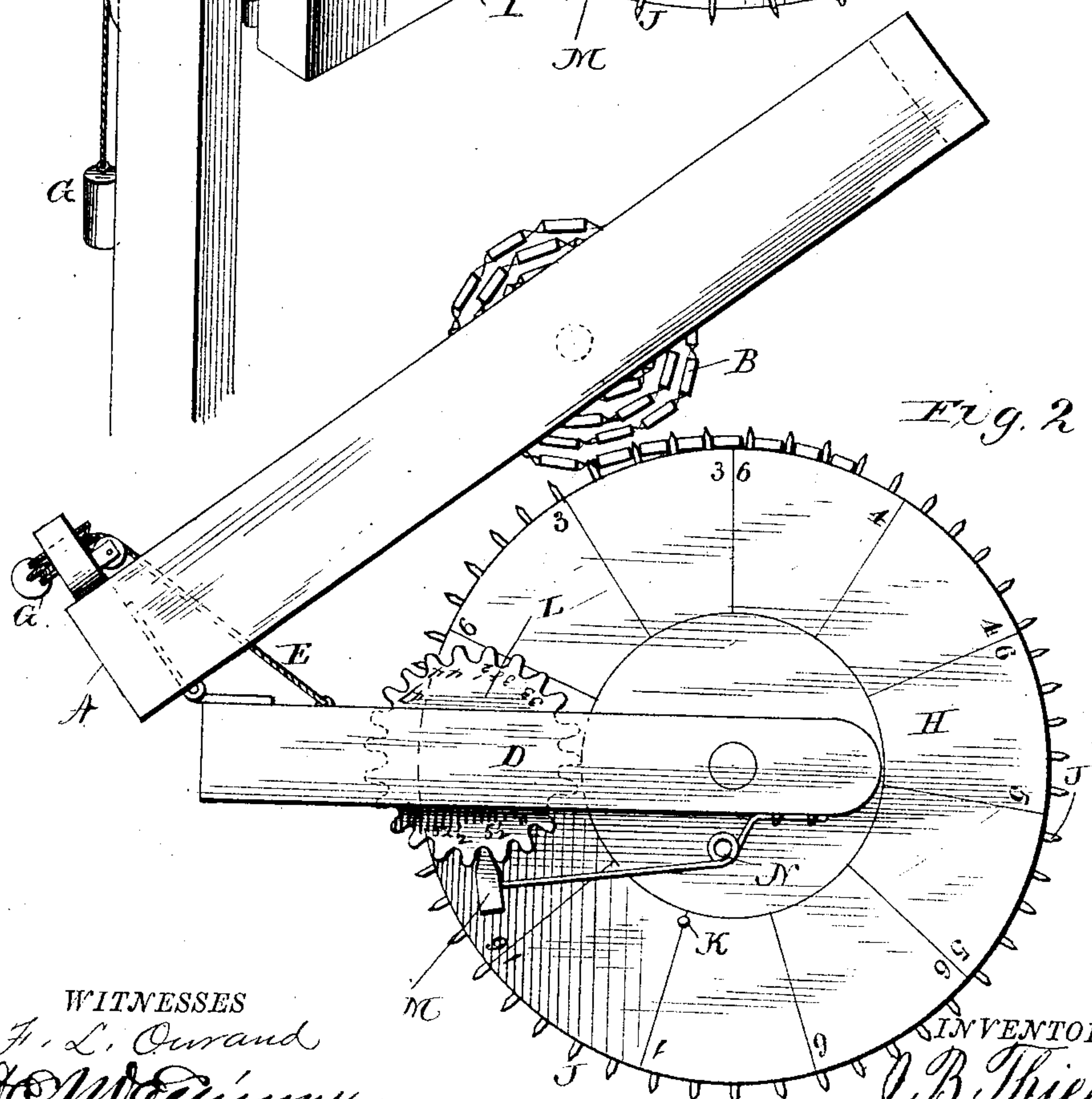


Fig. 2.

WITNESSES

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UNITED STATES PATENT OFFICE.

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MEASURING DEVICE AND REGISTER FOR FENCING MATERIAL.

SPECIFICATION forming part of Letters Patent No. 327,905, dated October 6, 1885.

Application filed July 11, 1885. Serial No. 171,309. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. THIES, a citizen of the United States, and a resident of Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Measuring Devices and Registers for Fencing Material, Lumber, &c.; 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 a portion of a machine for making picket-fencing provided with my improved measuring device, and Fig. 2 is a plan view of the same.

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

My invention has relation to machines for measuring picket and wire fencing as it is rolled up from the machine manufacturing it; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates an upright or post of the fence-making machine, and B indicates the roll of fencing wound upon a suitable reel, C, and an arm, D, having its outer portion slotted horizontally, is hinged to swing in a horizontal plane upon the upright post, and has a cord or chain, E, which is secured at one end near to the inner end of the slotted arm, and which passes over a pulley, F, journaled upon the side of the upright post, and is provided at its other end with a weight, G, which serves to draw the arm toward the roll of fencing.

A large disk, H, is journaled to revolve in a horizontal plane in the slot I in the outer portion of the swinging arm, and the rim of this disk is provided with pointed or sharpened spurs J, which may engage the roll of fencing as it is wound upon the reel.

The length of the periphery is known, and the upper face of the disk is provided with an upwardly-projecting lug, K, which will engage the teeth of a cogged disk, L, which is journaled upon the downwardly-facing side of the slot in the arm, one revolution of the disk

making the cogged disk move the space of one tooth forward.

The upper faces of the two disks are marked, so as to enable the parties operating the device to read upon the faces of the disks the number of revolutions of each disk, and the teeth or cogs of the cogged disk are engaged by the beveled end of a hammer-head, M, secured upon the outer end of a spring-arm, N, secured upon the side of the outer end of the slotted arm, and having a spring-coil near its secured end. This spring hammer or pawl will stop the cogged disk when it has moved the space of one tooth, and will at the same time serve as an index for the progress of the disk.

It will be seen that the weight at the end of the cord or chain will draw the slotted arm and the spur-disk toward the roll of fencing, and as the roll gradually grows larger in diameter as the fencing is wound upon it the arm may swing out, allowing the roll to increase, while at the same time the weight will continuously hold the spur-rim of the disk sufficiently hard against the roll to cause the roll to revolve the disk.

It follows that if it is desired to increase the capacity of the device for counting great lengths of material, a number of intermediate wheels may be inserted between the spur-disk and the cogged disk in the same manner as in other measuring-machines, and it is also evident that with slight modifications in regard to the rim of the spur-disk the device may be employed to measure other articles made up in rolls during manufacture.

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

In a device for measuring wire and picket fencing, the combination of an arm having a horizontal slot in its outer portion and pivoted to swing in a horizontal plane, a pulley journaled near the roll to be measured, a cord or chain secured to the arm and passing over the pulley and provided with a weight at its other end, a spur-disk journaled in the outer end of the slot in the arm and having an upwardly-projecting stud upon its upper face, a cogged disk journaled upon the downwardly-facing side of the slot in the arm and engaged

by the stud upon the face of the spur-disk,
and a hammer having a beveled head engag-
ing the cogs of the disk and secured to the
free end of a spring-arm having a coil near its
5 secured end, and secured near the outer end
of the side of the slotted arm, 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.

JOHN B. THIES.

Witnesses:

HUGH D. CONOVER,
C. B. LEVANY.