

(No Model.)

J. B. O'BRYAN.
CLOTH PILING MACHINE.

No. 506,535.

Patented Oct. 10, 1893.

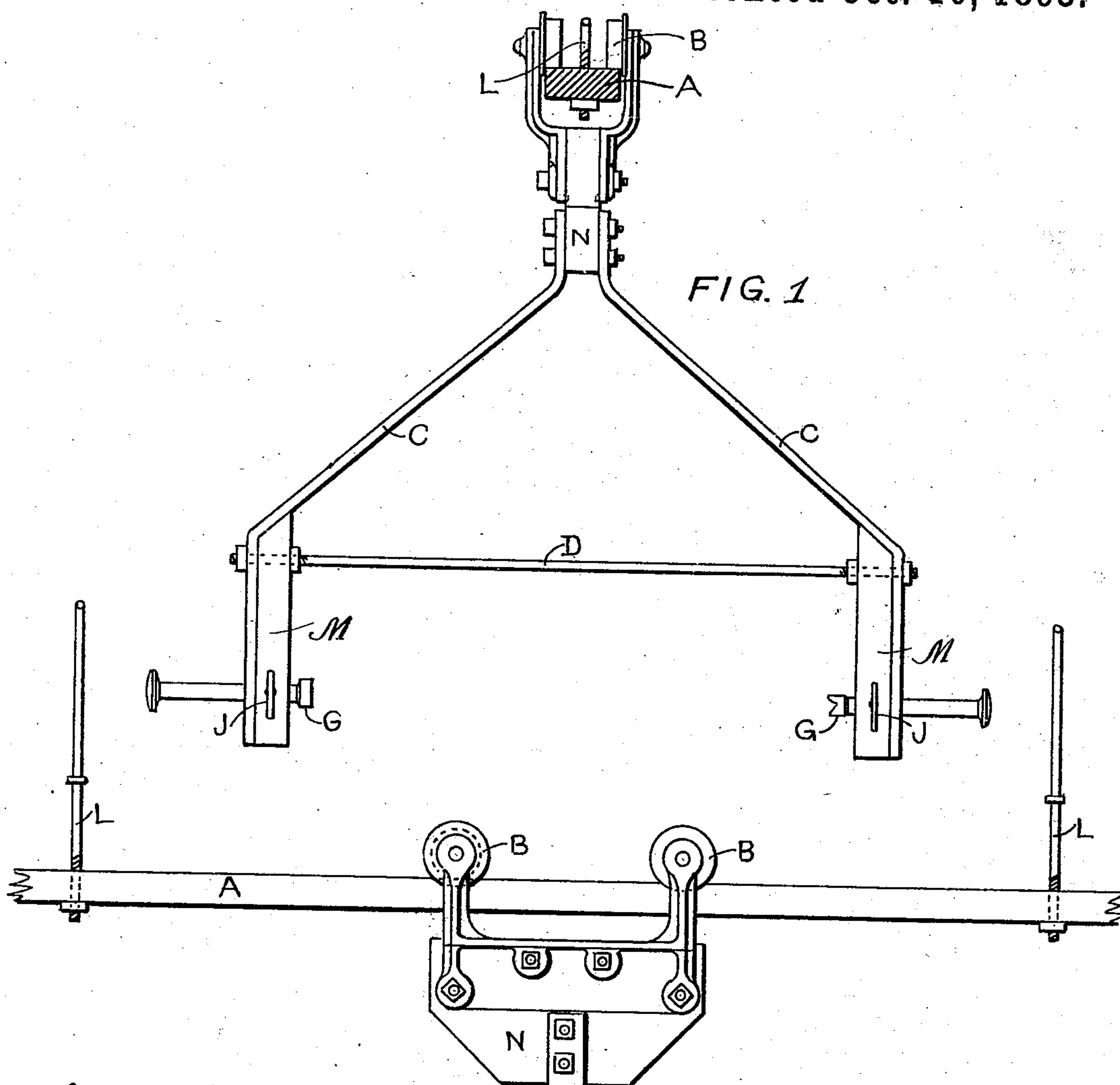


FIG. 2

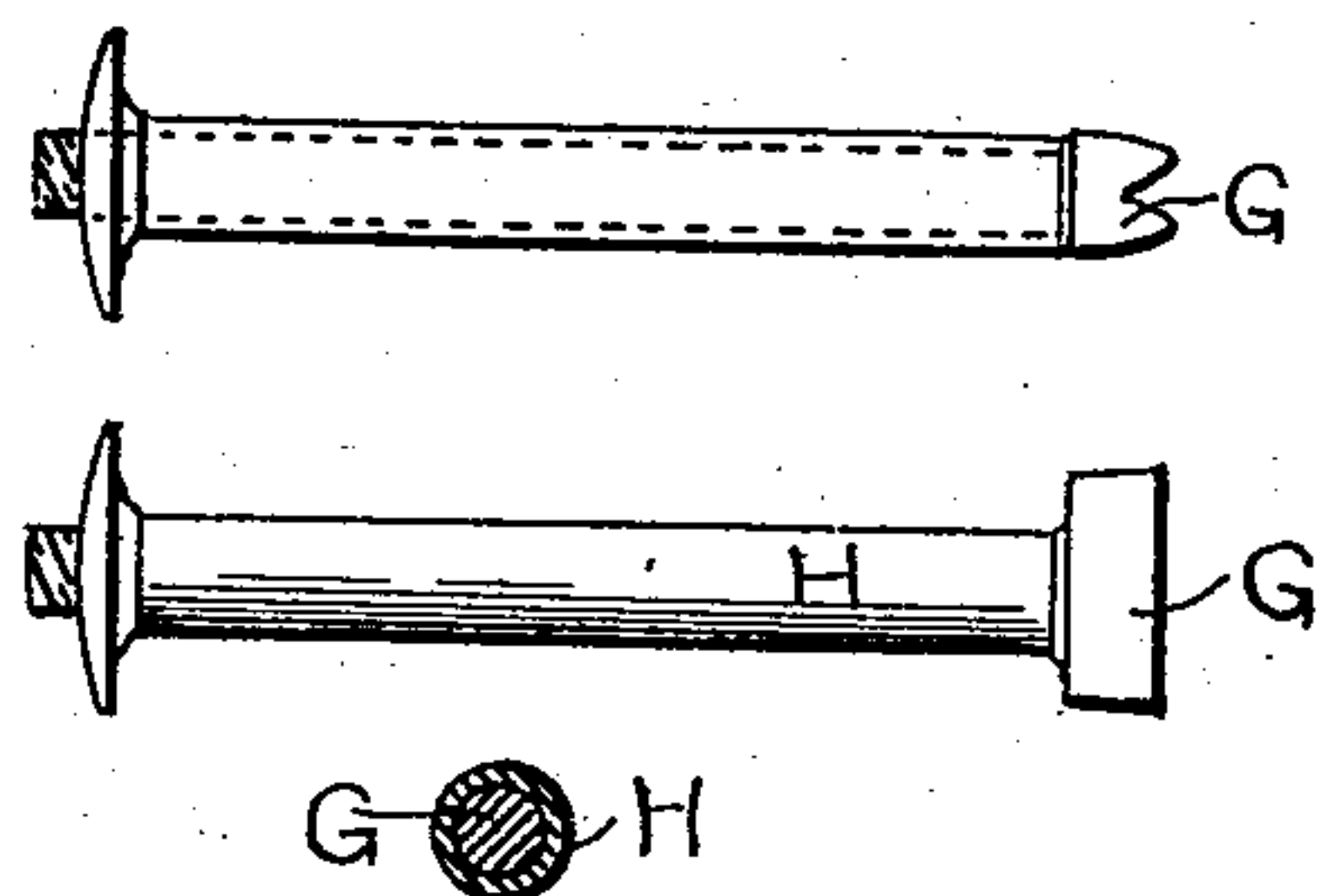


FIG. 3

Witnesses.

L. H. Bryan

J. Swint

Inventor:

J. B. Ryan

E. M. Marble

Attorney.

UNITED STATES PATENT OFFICE.

JOSEPH B. O'BRYAN, OF NASHVILLE, TENNESSEE.

CLOTH-PILING MACHINE.

SPECIFICATION forming part of Letters Patent No. 506,535, dated October 10, 1893.

Application filed February 21, 1893. Serial No. 463,176. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH B. O'BRYAN, a citizen of the United States, residing at Nashville, in the county of Davidson and State of Tennessee, have invented certain new and useful Improvements in Machines for Piling Cloth and other Textile Fabrics; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in machines for piling cloth, silk, and other fabrics, and it consists in the construction and arrangement of parts which will hereinafter be fully described, and particularly pointed out in the claim.

The object of my invention is to provide means for readily and accurately measuring long lengths of cloth, without the necessity of by hand rolling out and measuring the same. An occasion where the convenience of such a mechanism arises is in cutting jeans, cassimeres, &c., where it is necessary for the right sides of the piece of goods to lie facing each other, in order that when a pattern is put on it, the garment is cut right and left. As pieces of cloth of this nature are usually from forty to fifty yards long, it is necessary to have a table of half the length of the piece of goods, and to roll the goods out half of their length, and then back to where the unrolling started at the other end of the table. To do this by hand is tedious, and the object of my invention is to enable the displaying of the goods to be accomplished without the exercise of manual power in unrolling the same.

To this end my invention consists in a traveling frame, suspended over the measuring table by rollers moving on a track suspended over and in line with the measuring table, between the lower, widened ends of which frame bolts or rolls of cloth may be held by spindles, rotatably mounted in adjustable tubes journaled in said dependent arms, in such a manner that when one end of the roll of cloth is fastened to one end of the table, the cloth can be laid in folds of any desired length upon the table by moving the traveling frame back and forth.

My invention is fully illustrated in the drawings accompanying and forming a part

of this specification, in which the same reference letters refer to the same or corresponding parts, and in which—

Figure 1 is a front view of my traveling frame. Fig. 2 is a side view of the same, and Fig. 3, a series of views showing the spindles used for holding the cloth.

Referring to the drawings, A represents a track, suspended horizontally, from the ceiling by the bolts L in a line with the table on which the goods are to be piled. The track may be suspended at any convenient height, the height varying with the proportions of the traveling frame used in connection with the same. On this track run the rollers B, which support through suitable brackets the carriage N, to which carriage are secured the bars C, which are bent outwardly until their lower ends are a little farther apart than is necessary to handle the rolls of cloth, and then downwardly. The rod D acts as a brace to hold these bars at a proper distance apart, and also aids to secure the blocks M in position on the inner side of the lower vertical portion of the bars C. The blocks M serve to make the bearings for the tubes H, which pass through apertures in their lower ends, and are adjustable as to the extent to which they project between the ends of the bars C by means of the thumb screws J, long enough to afford secure support to the same. Within the tubes H are rotatably held the spindles G, which are provided with heads suitable for catching and holding bolts or rolls of cloth placed between the same.

The operation of my device is as follows: The traveling frame having been moved to one end of the table over which it is placed, and a bolt of cloth having been secured between the spindles G, as the traveling frame is moved back and forth on the track A, one end of the cloth having been secured to the end of the table, the cloth will be unrolled, and the requisite length of the same may be measured off and cut without the necessity of manual labor other than that of moving the aforesaid frame. As the top of the table over which the frame moves is provided with a rule, inlaid in its upper surface, the cloth can be measured as it is being rolled off without additional effort.

My device is made, partly of wood and

partly of iron, as convenience in manufacturing the different parts indicates as best, though other materials may be used equally as well. As above stated, my device can be
5 used with rolls of cloth of different widths, and it can also be used with flat rolls.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

10 In a machine for piling cloth and other textile fabrics, the combination with a track A suspended over and in line with the measuring table, of a carriage N provided with

wheels moving on said track, and having dependent arms or hangers C, provided with the
15 adjustable tubes H, in which rotate the spindles G, which are provided with heads for holding a roll of cloth, substantially as described.

In testimony whereof I affix my signature in
20 presence of two witnesses.

JOSEPH B. O'BRYAN.

Witnesses:

J. C. SWINT,

L. G. O'BRYAN.