

(No Model.)

J. S. SHERMAN.

CARPET STRETCHER.

No. 285,313.

Patented Sept. 18, 1883.

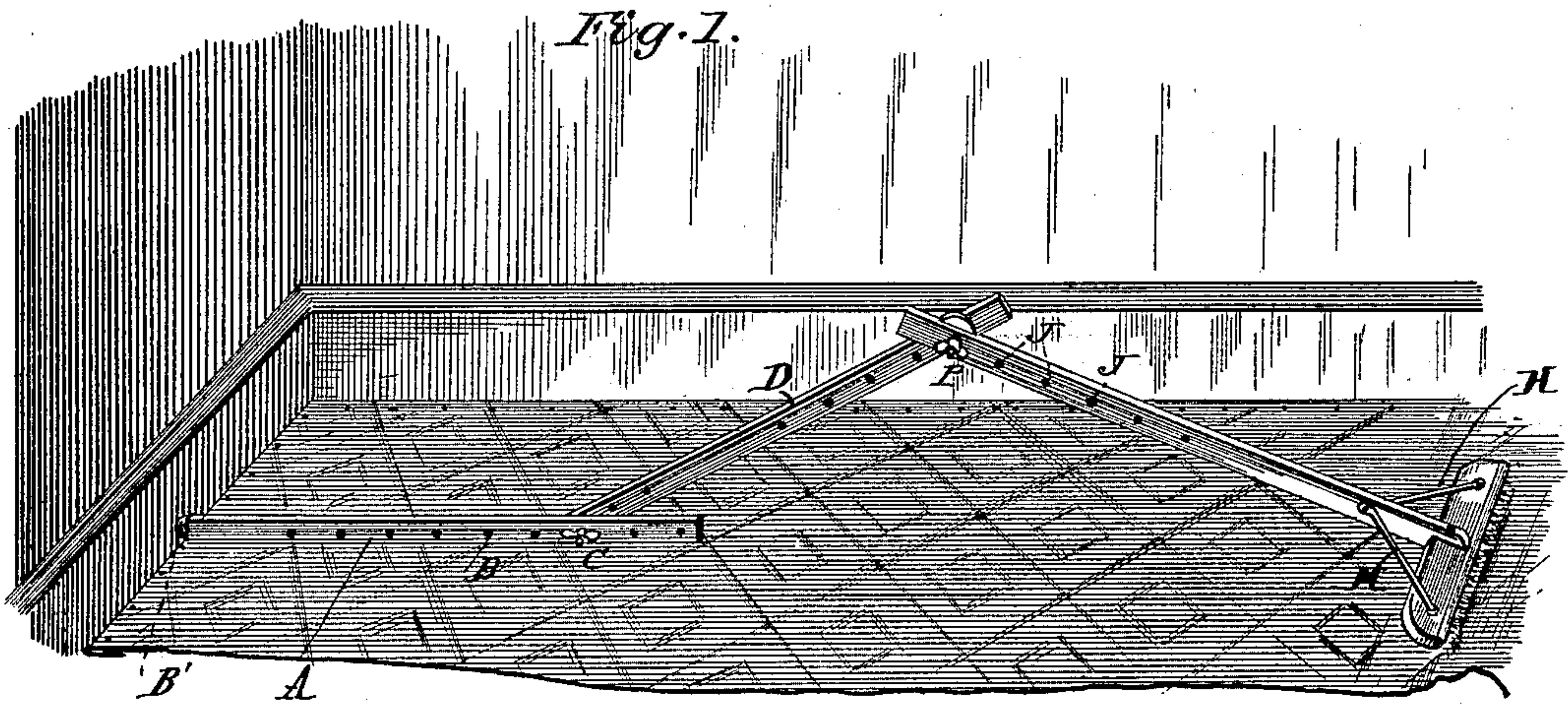


Fig. 2.

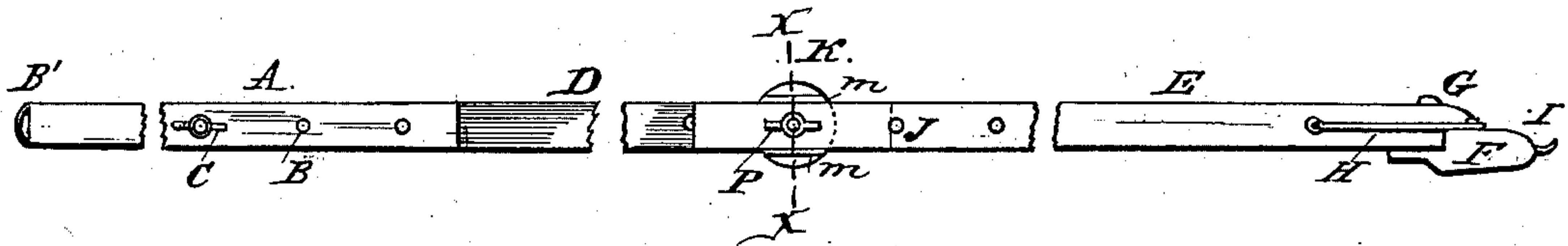


Fig. 3.

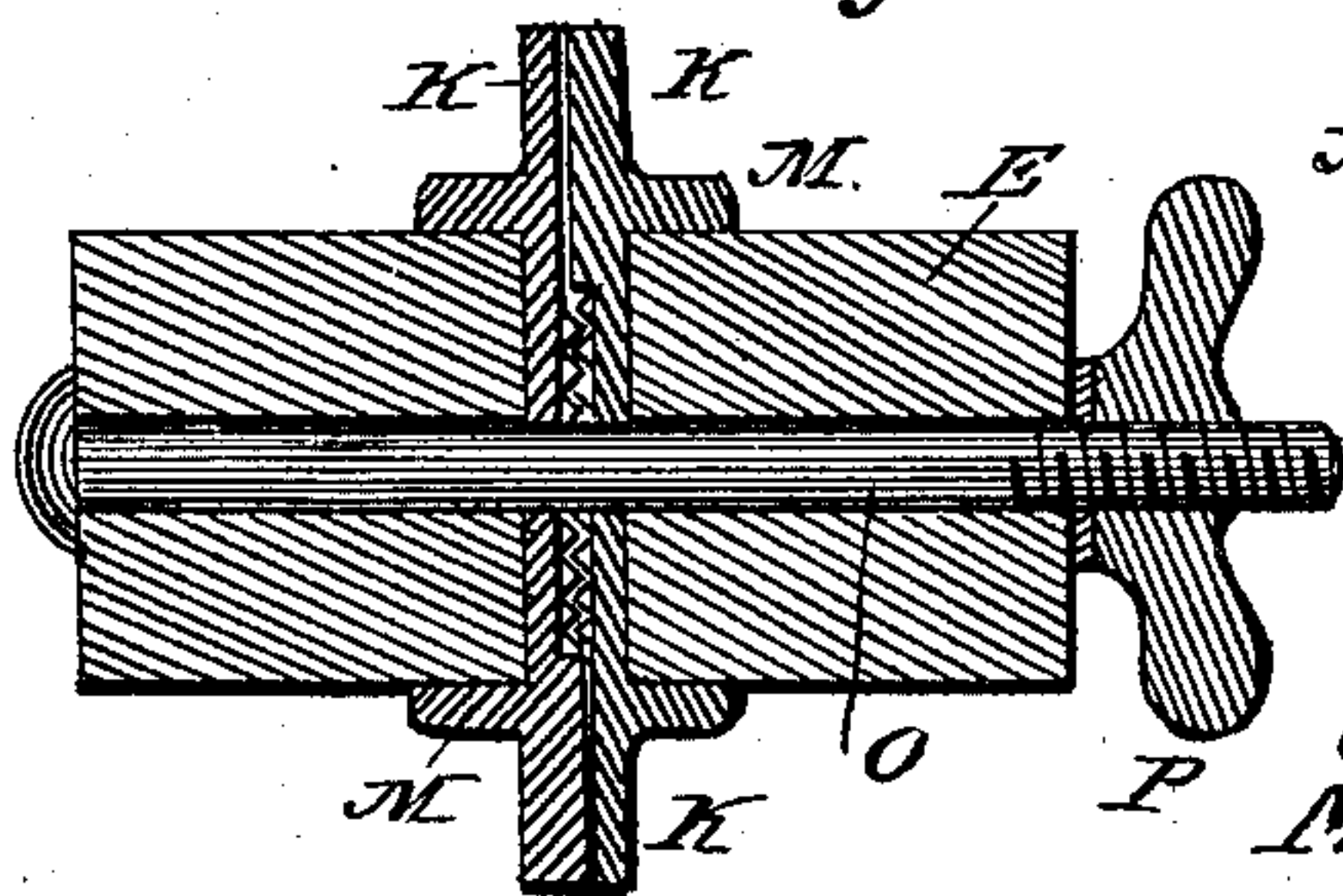
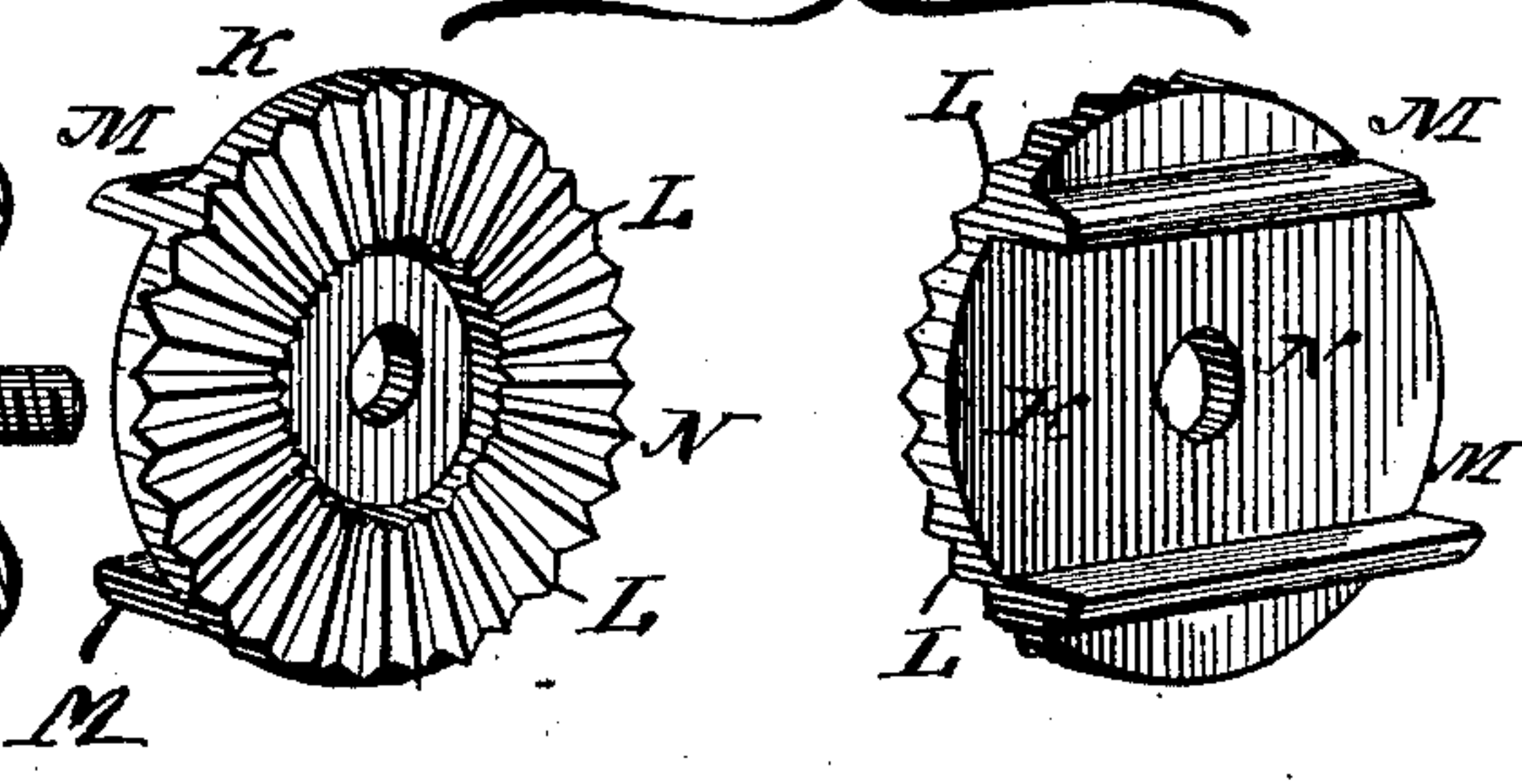


Fig. 4.



WITNESSES:

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CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 285,313, dated September 18, 1883

Application filed July 3, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. SHERMAN, a citizen of the United States, residing at Napoleon, in the county of Henry and State of Ohio, have invented a new and useful Carpet-Stretcher, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to carpet-stretchers; and it has for its object to produce a device which shall possess superior advantages in point of simplicity, durability, and general efficiency. To this end it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, Figure 1 is a perspective view, showing my improved carpet-stretcher in position for operation. Fig. 2 is a side view, showing the same extended. Fig. 3 is transverse sectional view on the line *xx* in Fig. 2, and Fig. 4 is a detail view of the disks or plates K K.

The same letters refer to the same parts in all the figures.

A in the drawings designates a rod or bar, provided at its rear end with a cushion or buffer, B', of rubber or other suitable material. Bar A is provided with a series of transverse openings, B B, through any one of which may be passed a bolt, C, by which the said bar A is pivotally connected with another similar bar, D, having also a series of transverse perforations.

E is an arm or lever, having at its front end a cross-piece, F, secured thereto by means of a bolt, G, and braces H H. Said cross-piece, which may be of considerable length, has a rounded front edge, provided with slightly-up-turned teeth I I, adapted to take hold of the carpet which is to be stretched, without danger of tearing the same or of scratching the floor. The rear end of the arm or lever E has transverse perforations J.

K K are a pair of circular disk or plates, shown clearly in the detail view, Fig. 4, by reference to which it will be seen that the said disks are provided upon their inner adjoining sides with radial teeth L, adapted to engage each other, so as to prevent the said disks from turning. The outer side of each of the disks K is provided with a pair of parallel flanges, M M, between which one of

the bars A D or the lever E may be adjusted. Central perforations, N, are formed in the disks K, to receive a connecting-bolt, O, having a thumb-nut, P.

The operation of this invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. The bar A lies flat upon the floor, with the buffer B' against the base-board, adjoining which the carpet has been already tacked. The bar D and lever E are connected by the plates K and bolt O, and are so adjusted that, when fully extended, they shall be capable of stretching the carpet to the desired extent. In Fig. 1 the said bar and lever are shown raised at the connecting-point, so as to enable the teeth of cross-piece F to get the necessary hold in the carpet. Then by pressing the connecting-point down to the floor the carpet is properly stretched. In this position the bar and lever are held beyond any possibility of rebounding by simply tightening the thumb-nut P, thus dispensing with the necessity of an assistant to hold the stretcher while the operator tacks the carpet. When the portion of carpet held by the cross-bar F has been tacked, the stretcher may be moved and the operation repeated.

In small rooms the intermediate bar, D, may be dispensed with, and the bar A be joined directly to the arm or lever E by means of the plates K, bolt O, and thumb-nut P. The operation is precisely as above described.

This device is simple, convenient, easily manipulated, and may be manufactured at a small expense.

I claim as my invention and desire to secure by Letters Patent of the United States—

In a carpet-stretcher, the combination of an arm or lever having a toothed cross-piece at its front end, a stretching-rod, the centrally-perforated connecting-disks having radial teeth upon their inner sides and parallel flanges upon their outer sides, and the connecting-bolt having a thumb-nut, all arranged and operating substantially as set forth.

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

JOHN SIMON SHERMAN.

Witnesses:

JAMES DONOVAN,
PAUL CHARLES DULITZ.