

(Model.)

L. M. SUMMERFIELD

CARPET STRETCHER.

No. 250,686.

Patented Dec. 13, 1881

Fig. 1.

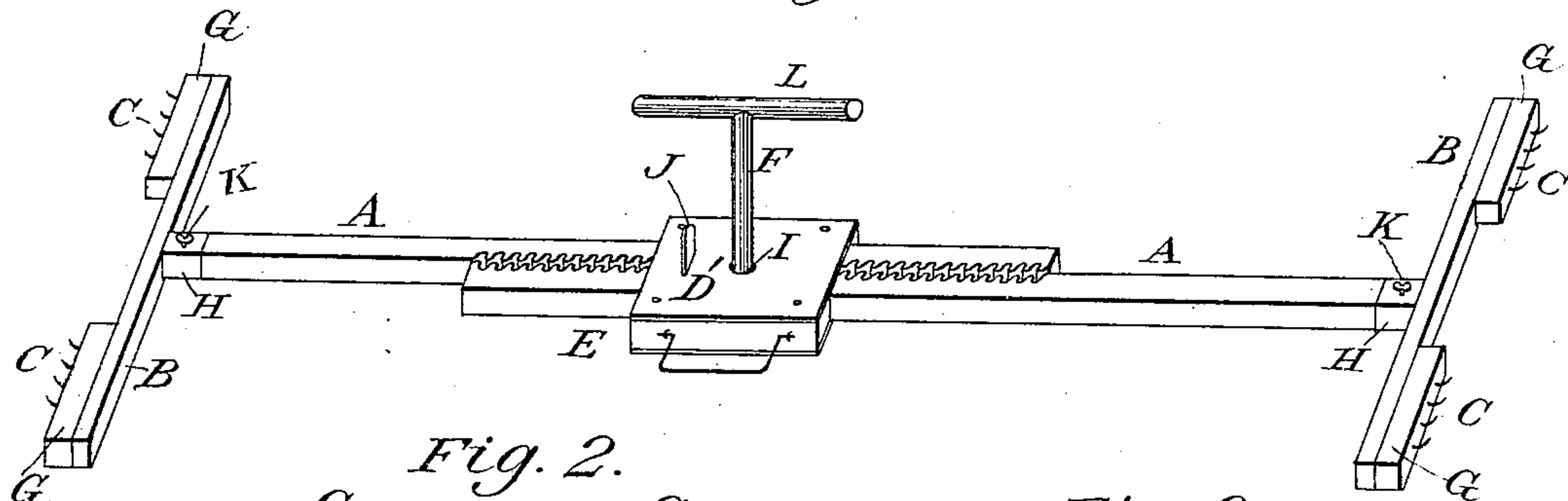


Fig. 2.

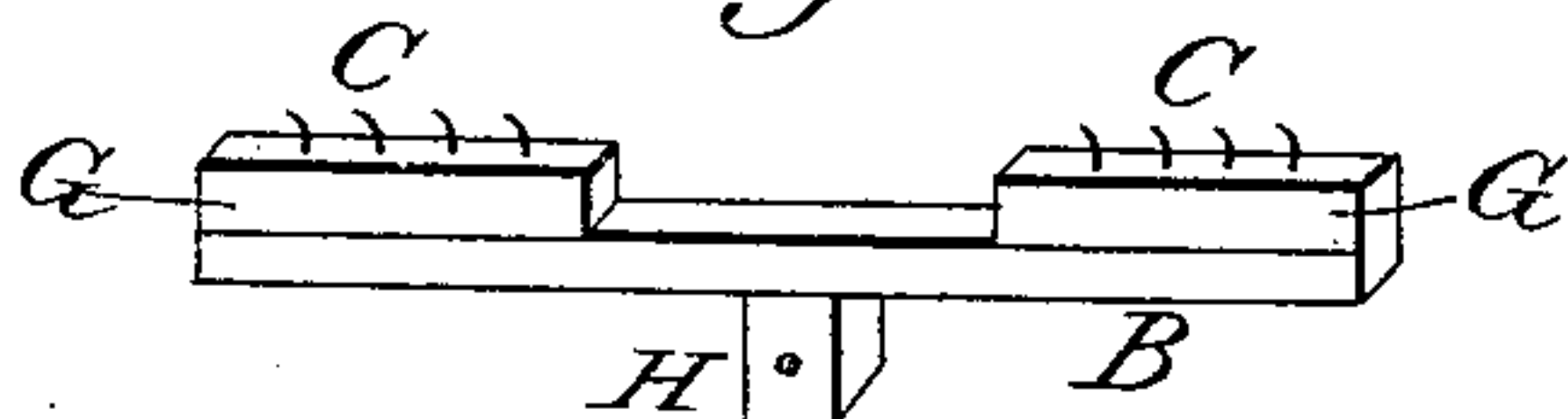


Fig. 3.

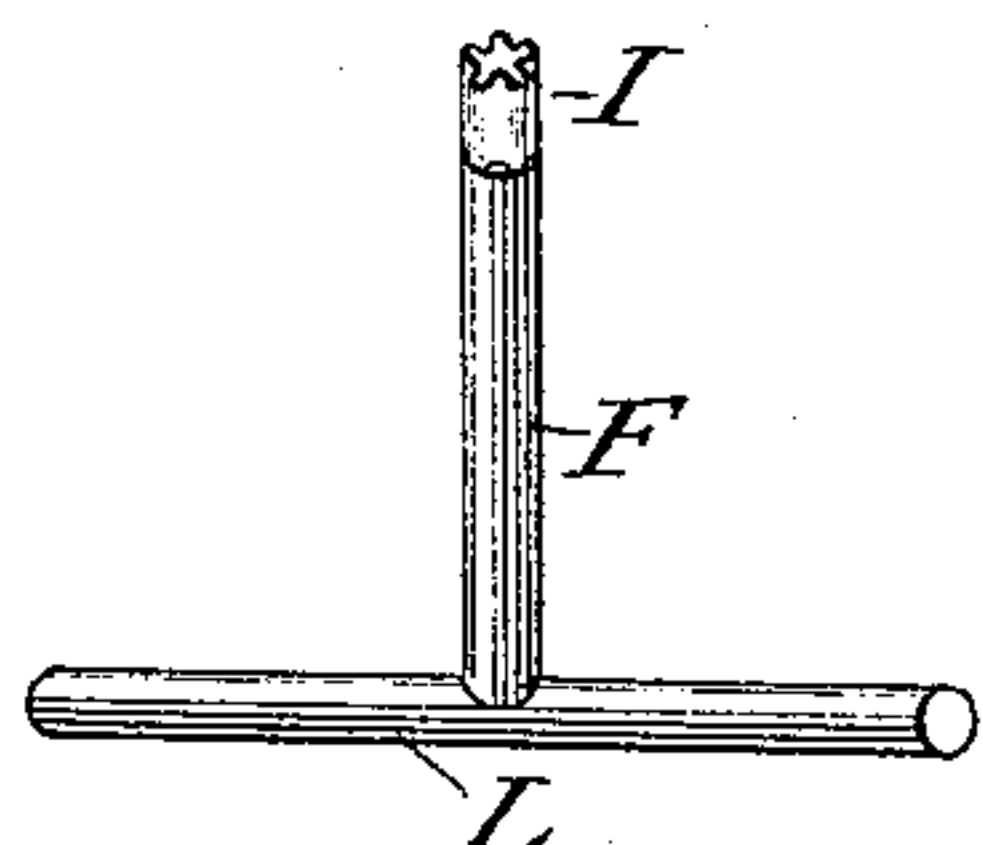
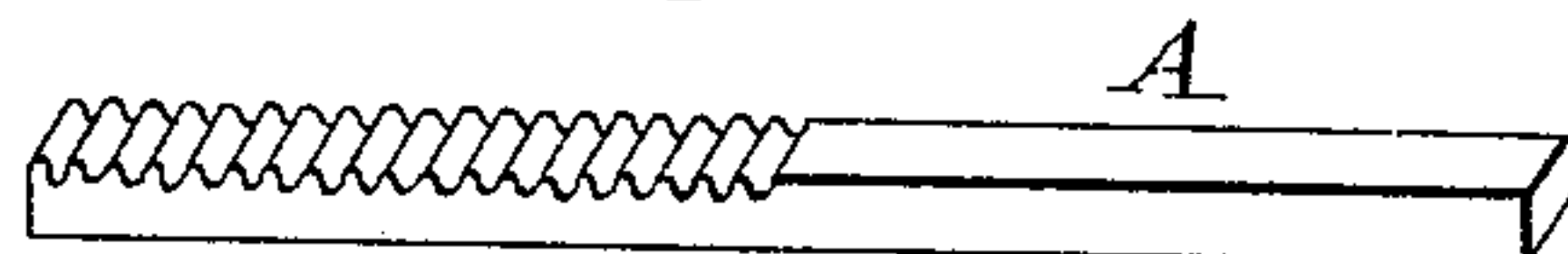


Fig. 4.

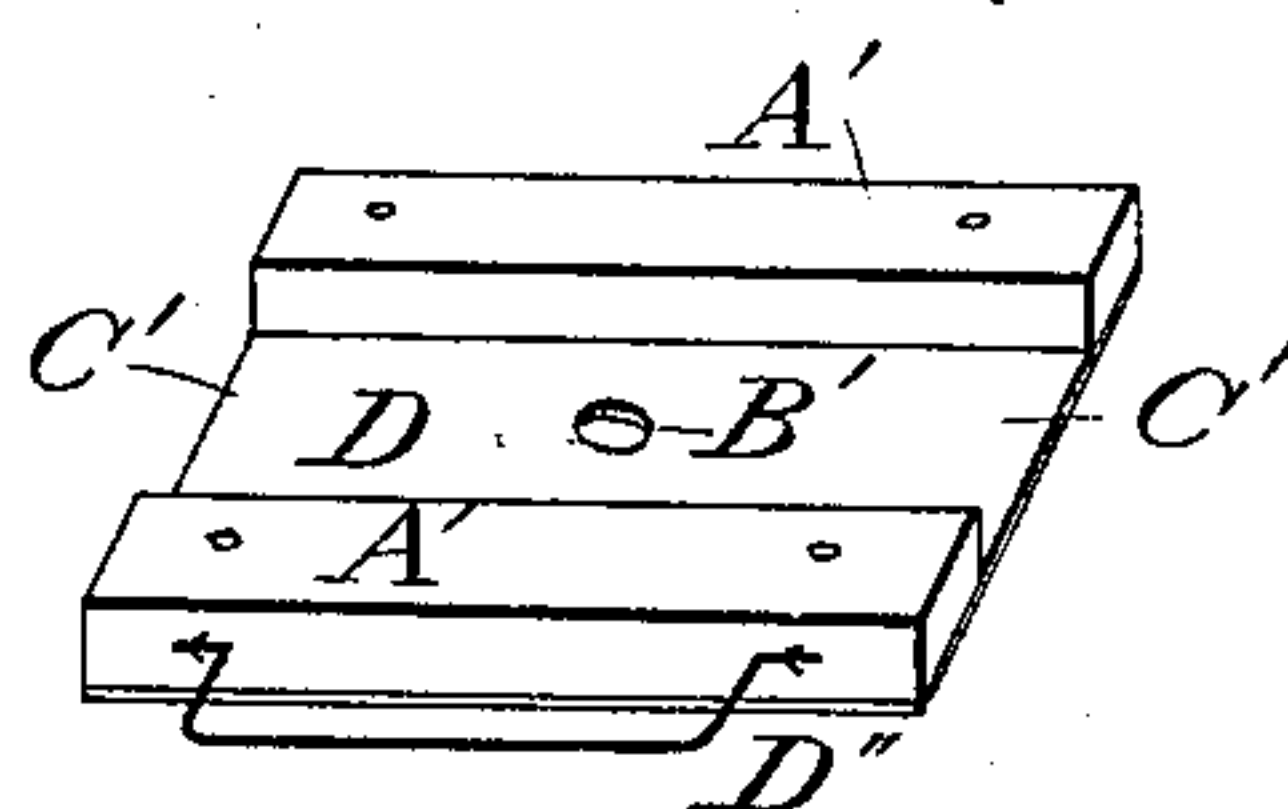


Fig. 5.

Witnesses:

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LOUIS M. SUMMERFIELD, OF MATTOON, ILLINOIS.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 250,686, dated December 13, 1881.

Application filed September 2, 1881. (Model.)

To all whom it may concern:

Be it known that I, LOUIS M. SUMMERFIELD, of the city of Mattoon, State of Illinois, have invented a new, novel, and useful Improvement in Carpet-Stretchers; and I do declare the following is a full, clear, and exact description of the same, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The object of my invention is to provide an easy and more complete method of laying or stretching carpets upon the floor, and enabling the person using it to stretch all parts of a carpet equally, and providing against an undue or over strain upon any particular part of the carpet.

The invention consists in so arranging two rods, with suitable jaws on the ends to attach to each end of any width of carpet, and by passing through a stationary box so arranged that each rod can by the use of a geared key be passed by the other, thereby increasing their length, and consequently stretching any flexible substance to the same length of the rods, as can be more readily seen and understood from the accompanying drawings.

Figure 1 represents a perspective view of the stretcher as complete, A A being two rods with the inner surface supplied with teeth or cogs, and passing through box D, and having attached to the end cross-pieces, B B, which are fastened by entering hollow sockets H H and secured in place by set or thumb screw K K. Attached to the cross-pieces B B are blocks G G G G, into which are inserted the curved teeth or points C C C C. D is a box composed of two plates, of iron or other material, for top and bottom, with a hole of suitable size at I, into which enters the key F, provided with handle L, as shown. By the turning of key F in hole I from right to left the rods are increased in length, or from left to right, thereby shortening the same. J is a small thin key or wedge for holding the two rods in place after being stretched to the desired length.

Fig. 2 is the cross-piece with the end blocks,

G G, attached by means of screws, the blocks having driven through them a series of hooks, bent at a slight angle upward and placed about midway of the blocks G G, so that the strain of stretching comes upon the lower corner of the block, and not upon the teeth or hooks. H is a hollow socket, made of iron or some suitable material, into which the rod A in Figs. 1 and 3 is inserted and fastened by a set or thumb screw at K.

Fig. 3 shows the detached rod, having one-half of its length faced with metal, cast or corrugated with teeth or cogs, into which the key F works.

Fig. 4 is an iron key, made of any desired length, having its end at I cut or geared so as to match the teeth or cogs upon rods A A in Figs. 1 and 3, and made of such size that it can be taken in and out of plate D' in Fig. 1.

Fig. 5 is a representation of the stationary box D in Fig. 1, it being made of two strong metal plates for top and bottom, the upper or top plate being removed to show more clearly its construction. A' A' are blocks of hard wood, to which the two plates are fastened by the means of screws or bolts. C' C' is an open space in box, through which the rods of Figs. 1 and 3 are inserted and pass each other. B' is a sunken hole in the lower plate to hold the end of key F. D'' is a handle attached to side of box, for the more convenient handling of same in carrying to and fro.

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

The combination of rods A A with cross-bars B B, with blocks G G G G, and teeth C C C C, with socket K, and box D, with key F, and catch J, and with handle L, as shown and described.

In testimony that I claim the foregoing as my own invention I affix my signature in the presence of two witnesses.

Mattoon, August 22, 1881.

LOUIS M. SUMMERFIELD.

Witnesses:

W. H. RICE,
JOHN F. SCOTT.