

M. W. KNOX.
CARPET-STRETCHER.

No. 178,064.

Patented May 30, 1876.

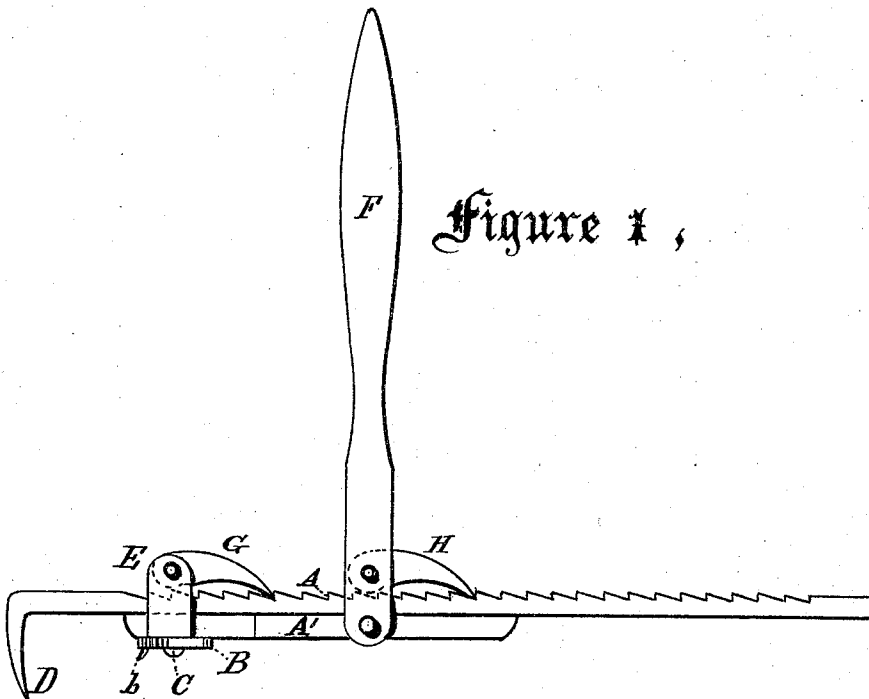


Figure 1,

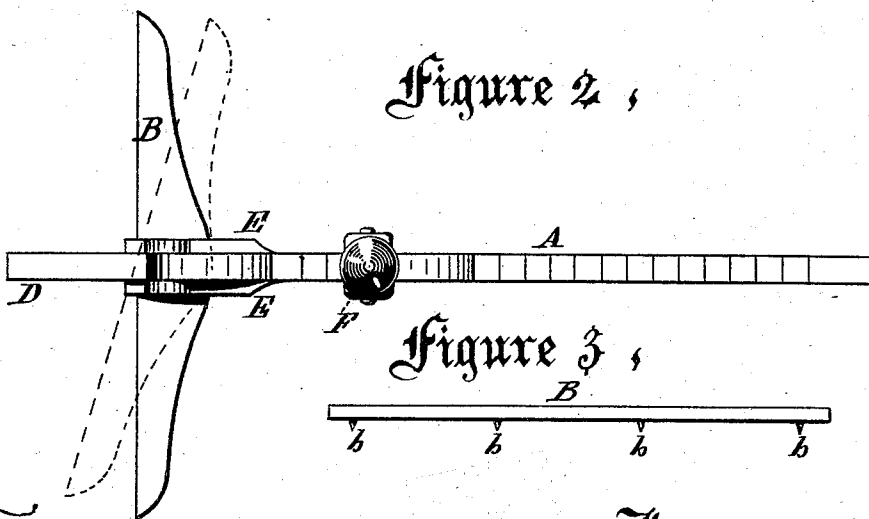


Figure 2,

Figure 3,

Witnesses:
Amos W. Sangster,
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Inventor.
Melvin W. Knox.
By James Sangster
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UNITED STATES PATENT OFFICE.

MELVIN W. KNOX, OF SHERIDAN, ASSIGNOR OF ONE-HALF HIS RIGHT TO
OLIVER LEE SWIFT, OF SILVER CREEK, NEW YORK.

IMPROVEMENT IN CARPET-STRETCHERS.

Specification forming part of Letters Patent No. **178,064**, dated May 30, 1876; application filed
March 24, 1876.

To all whom it may concern:

Be it known that I, MELVIN W. KNOX, of Sheridan, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Carpet-Stretchers, which improvements are fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to provide the means for reaching as near to the wall or base as possible, and to give a more even strain to the cross-head on the carpet while stretching it, so as to prevent the tearing or breaking of the same; and it consists in the combination of a serrated or toothed pivoted cross-head with a hooked rack-bar, and a handle and two pawls for operating it, as will be more clearly hereinafter shown; also, the arrangement of the pivoted or vibrating cross-head, forward of the operating mechanism, so as to afford the means for pushing the carpet as near to the wall or base as possible.

In said drawings, Fig. 1 represents a side elevation, Fig. 2 a plan or top view, and Fig. 3 a front view, of the pivoted cross-head or pushing-bar.

A is the hook-shaped rack-bar. It is arranged to move easily along the bar A', between the parts E. B represents the pivoted bar or cross-head. It is provided with teeth *b*, and is pivoted at C. D is a hook, forming part of the bar A, for the purpose of catching into the floor and holding it while the cross-head B and part A' is forced forward by the operation of the handle F and pawls G H. It will be readily seen that, when in operation, if one side of the carpet should stretch more, or the strain should in any way be greater on one side than the other, the cross-head will equalize it by moving on the center C.

I claim as my invention—

1. The combination of the hook D, and pivoted cross-bar B, arranged forward of the handle F and pawls G H, as and for the purposes specified.

2. The combination of the rack-bar A, pawls G H, handle F, and pivoted cross-bar B, substantially as and for the purposes described.

MELVIN W. KNOX.

Witnesses:

ARTHUR L. BROWN,
HENRY SHATTUCK.