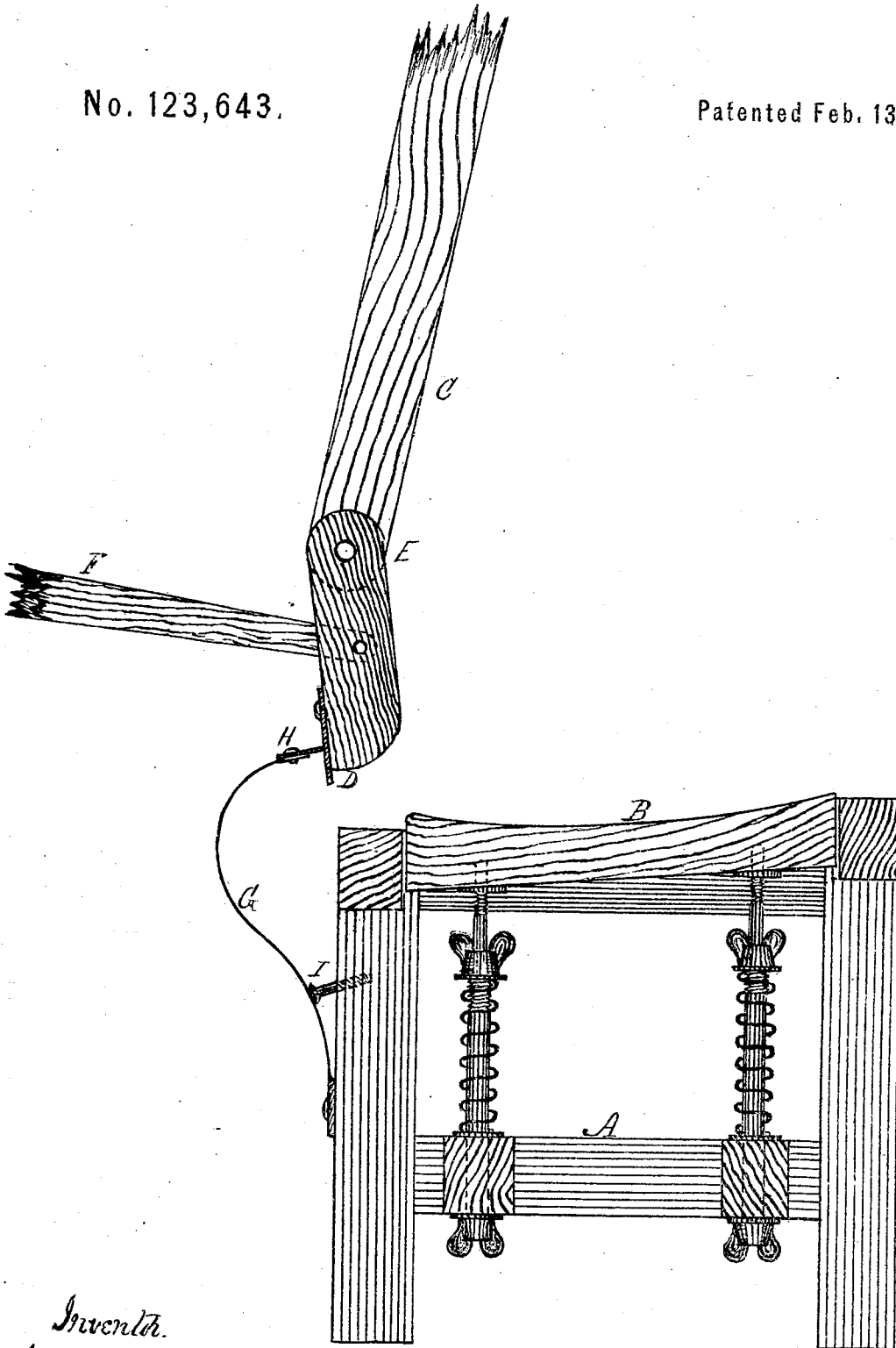


WILLIAM A. PERKINS.

Improvement in Machine for Removing Grease from Leather.

No. 123,643.

Patented Feb. 13, 1872.



Inventor.
Wm A Perkins

Witnesses
J. A. Bassett
Geo. L. Newcomb

UNITED STATES PATENT OFFICE.

WILLIAM A. PERKINS, OF SALEM, ASSIGNOR TO GEORGE L. NEWCOMB, OF SAME PLACE, AND JAMES PERKINS, OF PEABODY, MASSACHUSETTS.

IMPROVEMENT IN MACHINES FOR REMOVING GREASE FROM LEATHER.

Specification forming part of Letters Patent No. 123,643, dated February 13, 1872.

I, WILLIAM A. PERKINS, of Salem, in the county of Essex and State of Massachusetts, have invented certain Improvements in Machines for Removing Grease from Leather, of which the following is a specification:

My invention relates to an improvement in the machine described in the patent granted to James T. Barnstead, March 22, 1870, No. 101,081, in which a knife is made to reciprocate over a suitable bed, and a brush is used to remove the grease which is attached to the knife at each reciprocation. This brush is found in some cases to be inoperative and liable to objections which my invention is designed to remove. It is important that the knife which scrapes the grease from the leather should be properly cleaned at each stroke, or the accumulation of grease on the knife is liable to drop on the leather and soil it. To accomplish this result I use in place of the brush described in Barnstead's machine a metal plate, which may be mounted in the same manner as described in Barnstead's patent; but I prefer to use the arrangement here shown and described.

The drawing shows a vertical section of the machine.

A represents the frame of the machine; B, the adjustable bed; C, the pendulum-arm to which is attached the knife D. The pendulum-arm is made in two parts and jointed at E

so that the knife is raised clear of the leather at the return stroke. Motion is communicated to the pendulum through the connecting-rod F. On the back side of the frame A is bolted a curved spring, G, which is made preferably of steel. To this spring is attached the scraper H, in the position shown. The scraper H is made of a thin narrow plate of steel or iron.

At each reciprocation of the knife D over the leather a quantity of grease is removed, which attaches itself to the knife. As the knife passes over the bed it leaves the leather and comes in contact with the scraper H, which removes the grease from the knife, and it drops into a receptacle placed for the purpose clear of the frame A.

The drawing shows the knife and scraper in the position just described.

The distance of the scraper H from the knife is adjusted by means of the screw I.

I claim as my invention—

In a machine for removing grease from leather, the scraper H attached to the spring G, which is made adjustable by the screw I, for the purpose and in the manner substantially as set forth and shown.

WM. A. PERKINS.

Witnesses:

J. A. BASSETT,

GEO. L. NEWCOMB.