

JOHN G. CURTIS.

Improvement in Machines for Rolling Leather.

No. 115,443.

Patented May 30, 1871.

Fig. 1.

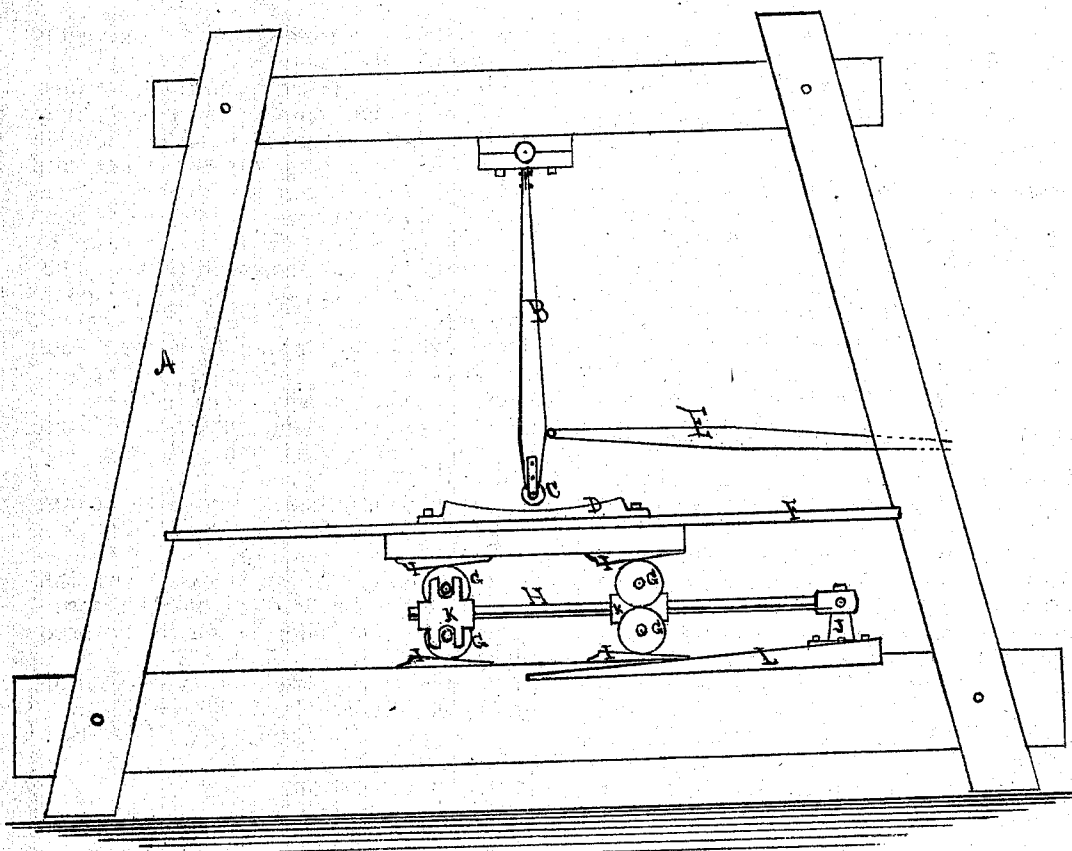
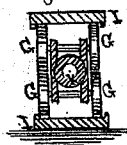


Fig. 2.



James C. Luce
Atty. McKeloy.

Inventor
John G. Curtis

UNITED STATES PATENT OFFICE.

JOHN G. CURTIS, OF WARREN, PENNSYLVANIA.

IMPROVEMENT IN MACHINES FOR ROLLING LEATHER.

Specification forming part of Letters Patent No. 115,443, dated May 30, 1871.

I, JOHN G. CURTIS, of Warren, in the county of Warren and State of Pennsylvania, have invented certain Improvements in Machines for Rolling Sole-Leather, of which the following is a specification:

Nature and Object of my Invention.

My invention relates to pressing the leather when between the roller-bed and roller, the roller being in motion. To make it solid and firm it is worked with treadle and rock-shaft, forcing the roller-bed up against the roller; and is an improvement on my patent No. 101,234, dated March 29, 1870.

Description of the Accompanying Drawing.

Figure 1 is a side elevation of my machine. Fig. 2 is a transverse section through the rod operated by the rock-shaft arm.

Similar letters refer to corresponding parts.

A is the frame of the machine. B is the pendent vibrating support for the roller. C is the roller. D is the roller-bed. E is the connecting-rod, by which motion is communicated to the roller; F, plank which supports the roller-bed; G, rollers placed in pairs on short shafts, one over the other, and held in place by the bearing-blocks K; H, connecting-rod, connecting blocks K with rock-shaft arm J. L is treadle. I are wedge-shaped blocks, forming a track

for the rollers G, with a flange on each side to guide said rollers.

The machine is worked by placing the foot on the treadle and forcing it down, which forces the rollers under the roller-bed up the inclined planes I, raising the roller-bed, and pressing the leather against the roller with great force, no weight being on the axles that connect the rollers, but all on the rollers. It works with great ease and but little wear, and requires no oil. It is very simple and cheap, and an improvement on my invention patented March 29, 1870, working easier with less wear. It works on the principle of the wedge, the rollers rolling on each other to overcome the friction, and allow the roller-bed to drop quick when the foot is removed from the treadle.

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

The combinations of the rollers G with the bearing-blocks K and wedged blocks I, forming a track for said rollers G, for the purpose herein described.

The above specification of my invention signed by me this 6th day of March, 1871.

JOHN G. CURTIS.

Witnesses:

CHAS. DINSMOOR,
F. A. RANDALL.