

SAMUEL W. FAIRFIELD & CHARLES E. GETCHELL.  
 Improvement in Scouring and Hide-Working Machines.  
 No 127,586. Patented June 4, 1872.

Fig 1

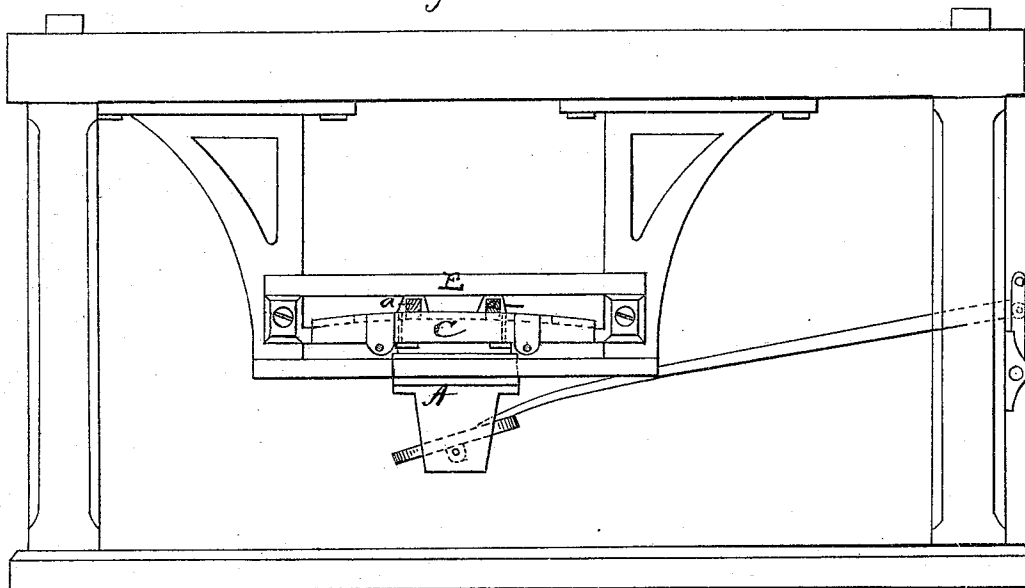


Fig 2

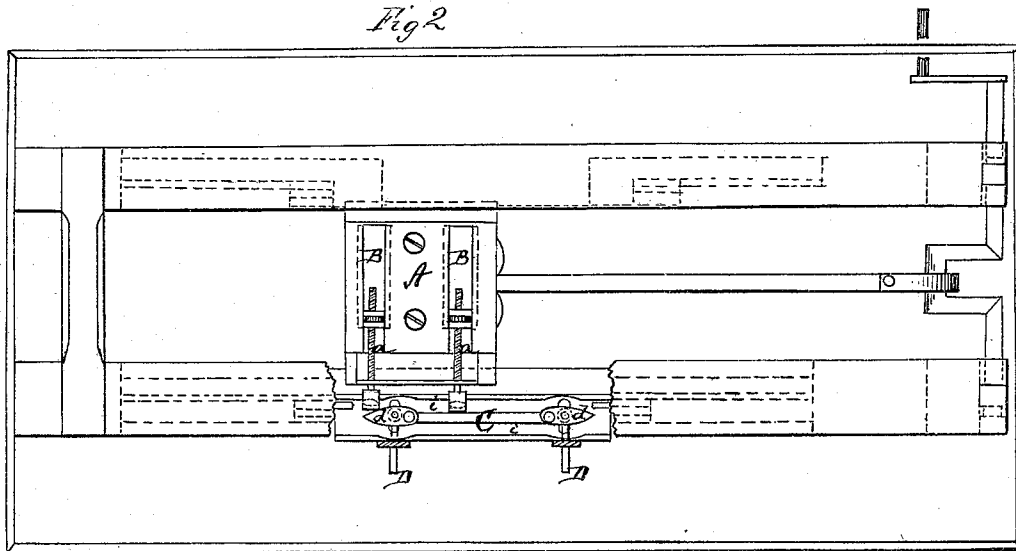
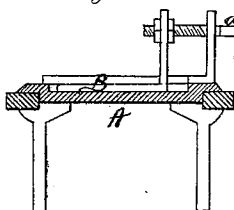


Fig 3



Witnesses:

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# UNITED STATES PATENT OFFICE.

SAMUEL W. FAIRFIELD AND CHARLES E. GETCHELL, OF SALEM, MASS.

## IMPROVEMENT IN SCOURING AND HIDE-WORKING MACHINES.

Specification forming part of Letters Patent No. 127,586, dated June 4, 1872.

*To all whom it may concern:*

Be it known that we, SAMUEL W. FAIRFIELD and CHARLES E. GETCHELL, of Salem, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in "Machines for Working Hides and Leather;" and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Our invention relates particularly to the machine known as the "Fitzhenry Scouring and Hide-working Machine;" and it consists in the construction and arrangement of a device for operating the sliding brakes on the upper part of the carriage, said device being situated on a stationary part of the machine, thus obviating the necessity of the operator keeping time with the carriage with his hand as the carriage moves back and forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing which forms a part of this specification, and in which—

Figure 1 is a side view, Fig. 2 a plan view, and Fig. 3 a cross-section, of our invention.

In the drawing we have not deemed it necessary to show any more of the Fitzhenry machine than what is sufficient to an understanding of our invention.

A represents the reciprocating carriage, provided with the sliding brakes B B. The ordinary method of operating these brakes is to grasp them with the hand while in motion, and draw them back. This, on account of the rapid movement of the carriage, is attended with some danger and much inconvenience. To obviate this difficulty we make use of the following device: To the sliding brakes B B are attached rods *a a*, which have upon their outer ends downward-projecting bosses *b b*. These bosses work in two parallel grooves, *i i*,

on a bar, C, attached to the outside of one of the guides on which the carriage moves. By changing the bosses from one groove to the other the desired motion is given to the sliding brakes. This change is effected by means of cams or switches *d d*, placed between the grooves *i i* at each end, and provided with handles or levers D D. Above the rods *a a* is a bar, E, which forms a loop-guide for said rods as they move back and forth with the carriage, keeping the bosses *b b* in the grooves *i i*.

The operation is as follows: When desiring to operate the brakes one of the handles D is grasped, and when the carriage is at that end of the stroke it is pushed or pulled as desired, thus changing the boss from one groove to the other, thus giving the desired movement to the brakes.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a hide and leather working machine, the arrangement of the mechanism for operating the sliding brakes of the reciprocating carriage upon the stationary part of the machine, substantially as and for the purposes herein set forth.

2. The bar C, provided with parallel grooves *i i* and cams or switches *d d* having handles D D, substantially as and for the purposes set forth.

3. The rods *a a* and bosses *b b* attached to the sliding brakes B B, for the purposes set forth.

4. The combination of the carriage A, brakes B B, rods *a a*, bosses *b b*, stationary bar C, grooves *i i*, cams *d d*, and handles D D, all substantially as and for the purposes herein set forth.

SAMUEL W. FAIRFIELD.  
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Witnesses:

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