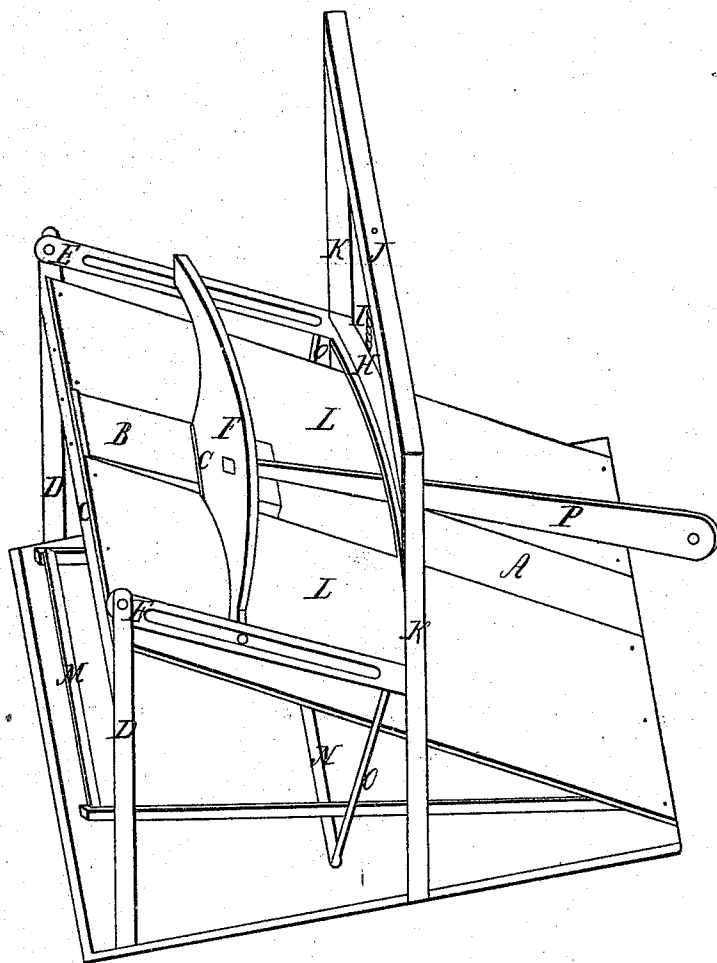


*A. Hasbrouck,*  
*Preparing Hides.*  
*No. 89,864.*      *Patented May 11, 1869.*



*Witnesses;*  
*Miles McKimney*  
*Sydney Wood*

*Inventor;*  
*Alfred Hasbrouck*

# United States Patent Office.

ALFRED HASBROUCK, OF ITHACA, NEW YORK.

*Letters Patent No. 89,864, dated May 11, 1869.*

## IMPROVED MACHINE FOR CLEANING HAIR FROM HIDES.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all to whom it may concern:*

Be it known that I, ALFRED HASBROUCK, of Ithaca, in the county of Tompkins, in the State of New York, have invented a new Machine for Scouring Leather and Cleaning the Hair from Hides previous to their being tanned; and I do hereby declare the following to be a full and exact description of the construction and operation of the same, reference being had to the annexed drawing, and to letters marked thereon.

This invention consists in providing a beam, A, set up slanting from the floor, a frame, or bed-piece, on which is secured a bed-piece, B, of hard wood.

The beam A is secured at the upper end to a cross-beam, C.

To each end of the same are secured two upright studs, D D, which extend above the cross-beam C, and to each end of these studs are fastened, by pins, pieces of timber E E, in which are cut slots, serving as way for the cross-head F.

In the cross-head is secured a sleeker, G, either of stone or metal.

The ways are connected at the lower end by a piece of timber, H, which is attached, by a coil-spring, I, to a cross-beam, J, said cross-beam being supported by two studs, K K.

On each side of the beam A is fixed a table, L L. Underneath the table, and extending back of the

table, is arranged a treadle, M. Said treadle extends back far enough to leave room for the operator to stand between it and the table.

To the treadle is attached, across it, a piece of timber, N, and from each end of this piece of timber is attached a wire, or iron rod, O, running and attached to the pieces of timber, or ways E E.

To cross-head F is attached a connection, P, for the purpose of connecting it with the power to drive it.

The manner of operating this machine is as follows:

The operator stands between the treadle and the cross-beam, laying the leather to be scoured, or hide to be cleaned of hair, on the bed-piece; then placing his foot on the treadle, and bringing the cross-head, with the sleeker in it, on the leather or hide, and, by its motion forward, rubbing the leather or hide sufficient; then shifting the piece on the bed-piece to another part, and so on, until the whole is finished.

### *Claim.*

The above-described machine, with all its parts, as arranged, combined, and operating.

ALFRED HASBROUCK.

Witnesses:

MILLS MCKINNEY,  
LYNFREN MOON.