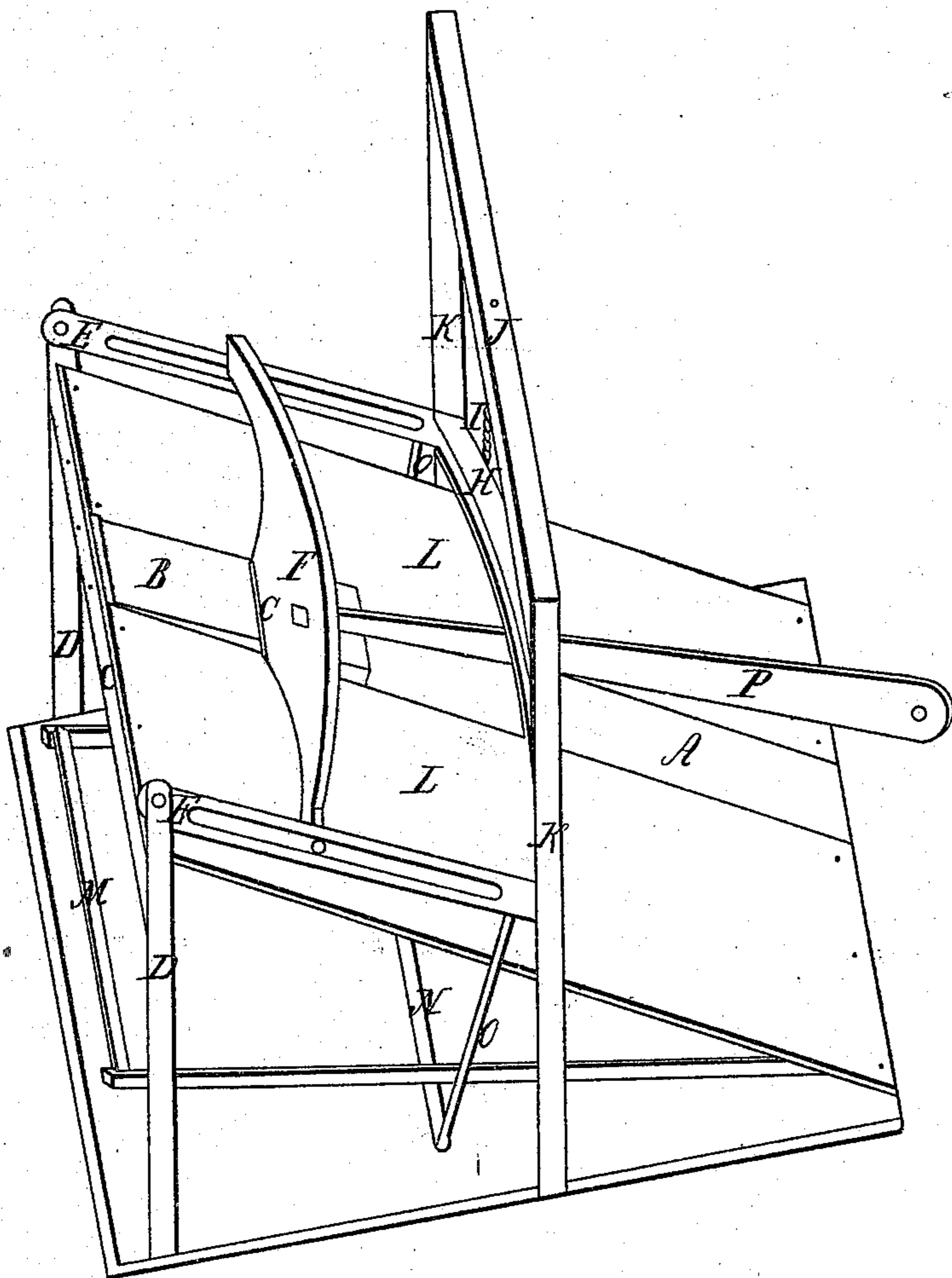


A. Hasbrouck,

Preparing Hides.

No. 89,864.

Patented May 11, 1869.



Witnesses;
Miles McGinnis
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 sleeper, 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 sleeper 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.