

L. L. Kelly,
Tanning Apparatus.

N^o 76777.

Patented Apr. 14, 1868.

Fig: 1

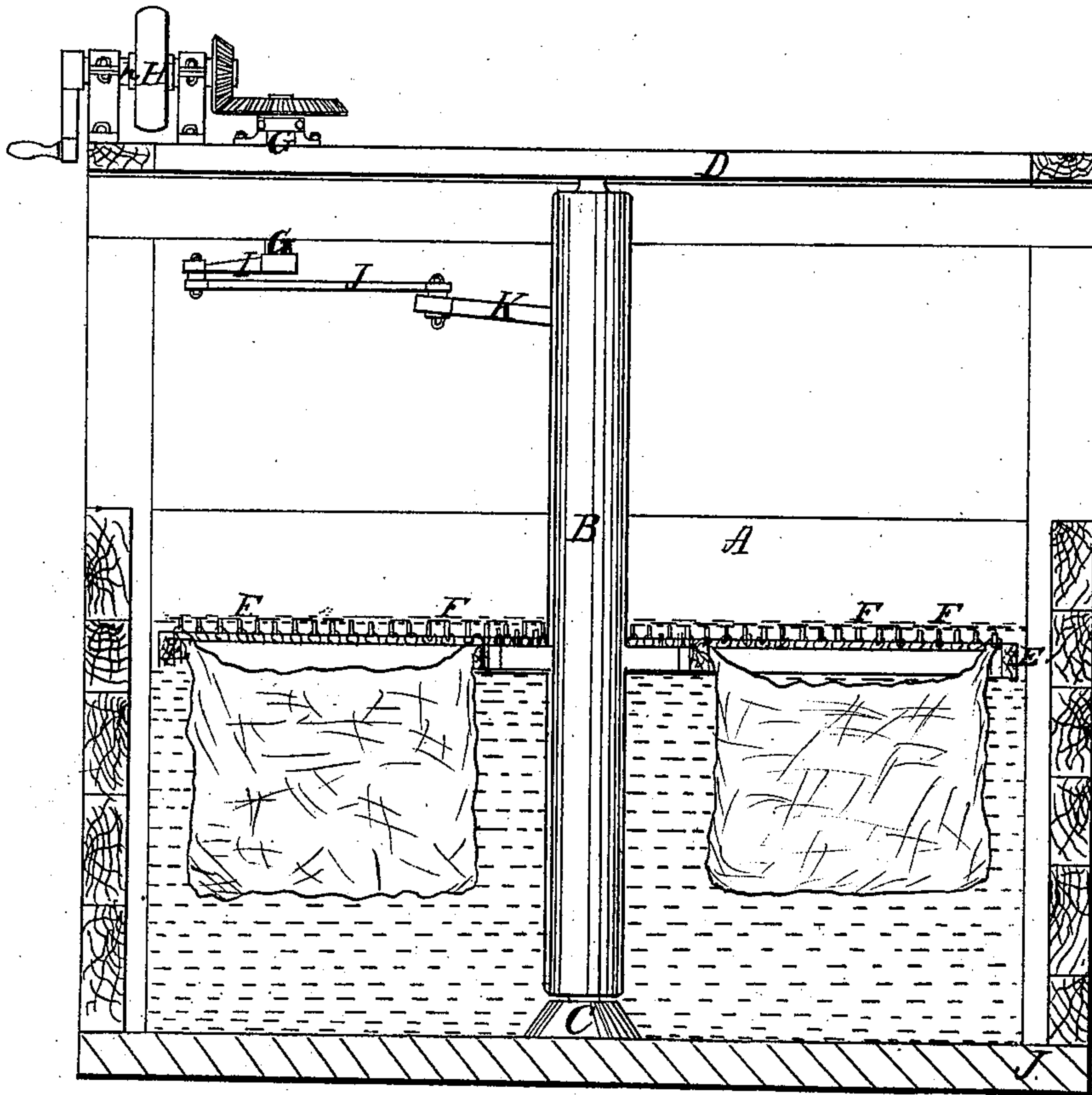
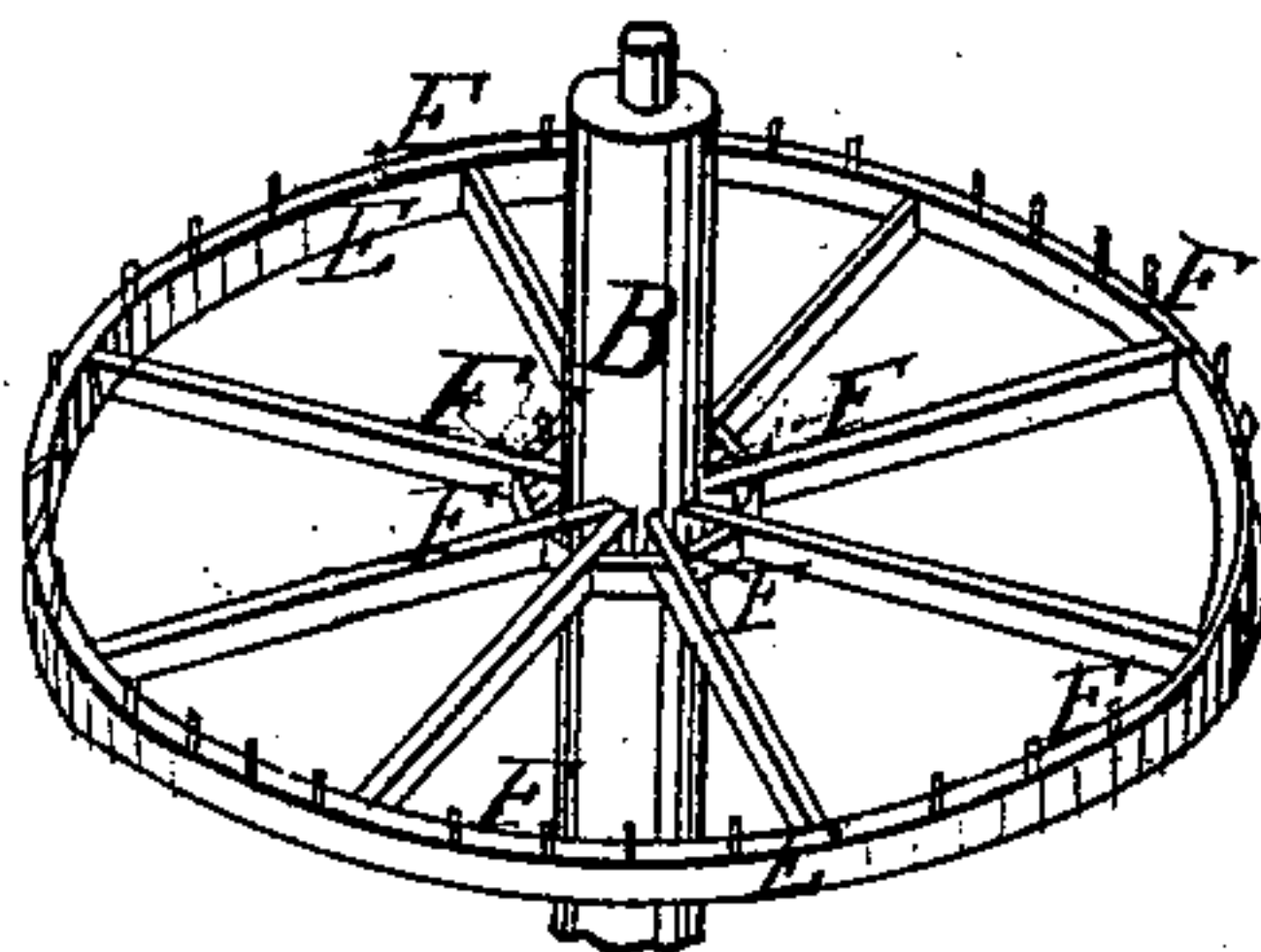


Fig: 2.



Witnesses:

Chas. H. Gayman

J. Magee

Inventor:

L. L. Kelly

By J. R. Lusk

Atty.

United States Patent Office.

LEWIS L. KELLY, OF DELAWARE STATION, INDIANA.

Letters Patent No. 76,777, dated April 14, 1868.

IMPROVED MACHINE FOR TANNING.

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

TO WHOM IT MAY CONCERN:

Be it known that I, LEWIS L. KELLY, of Delaware Station, Ripley county, Indiana, have invented a new and useful Tanning-Machine; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to a mode of tanning hides better and more expeditiously than can be done by the ordinary mode of handling in a common pit.

Figure 1 is an axial section through a pit provided with my improved agitator or handler.

Figure 2 is a perspective view of a portion of the agitator to a smaller scale.

A is a pit, tank, or vat, which may have a square, octagonal, circular, or other transverse section. B is a vertical shaft, supported below, in a step C, at the pit's centre, and journaled above to a beam or transom, D, which extends across the mouth of the pit. The shaft B carries a horizontal wheel or rack, E, which wheel is furnished with pins or hooks F, from which the hides are suspended. In place of the hooks F, clamps or other devices may be employed for suspending the hides.

G is a shaft, journaled vertically, as shown, rotated by gears or other connections with a driving-pulley, H, on a shaft, h, and carrying at its lower extremity a crank, I, connected by a pitman, J, to an arm, K, which extends horizontally from the shaft B.

The wheel being hung with hides, and the tank charged with ooze, and the shafts h and G rotated, a reciprocating parti-rotary motion is imparted to the wheel or rack E, which causes a very effective contact of the tanning-principle with the hides. The reciprocating motion also acts to wash off the slime and sediment from the hides.

The above-described apparatus may be used for either liming, bating, or handling hides, or for tanning them throughout, and will do the work in one-tenth of the time, and with a better result, than with the old-fashioned pits.

I claim herein as new, and of my invention—

The arrangement of the wheel or rack E F, having a reciprocating or partial rotation within a tanner's vat, as and for the purpose set forth.

In testimony of which invention, I hereunto set my hand.

LEWIS L. KELLY.

Witnesses:

GEO. H. KNIGHT,

JAMES H. LAYMAN.