

O. W. Bear,

Tanning App.

Patented Jul. 20. 1869.

No 92,776.

Fig. 1

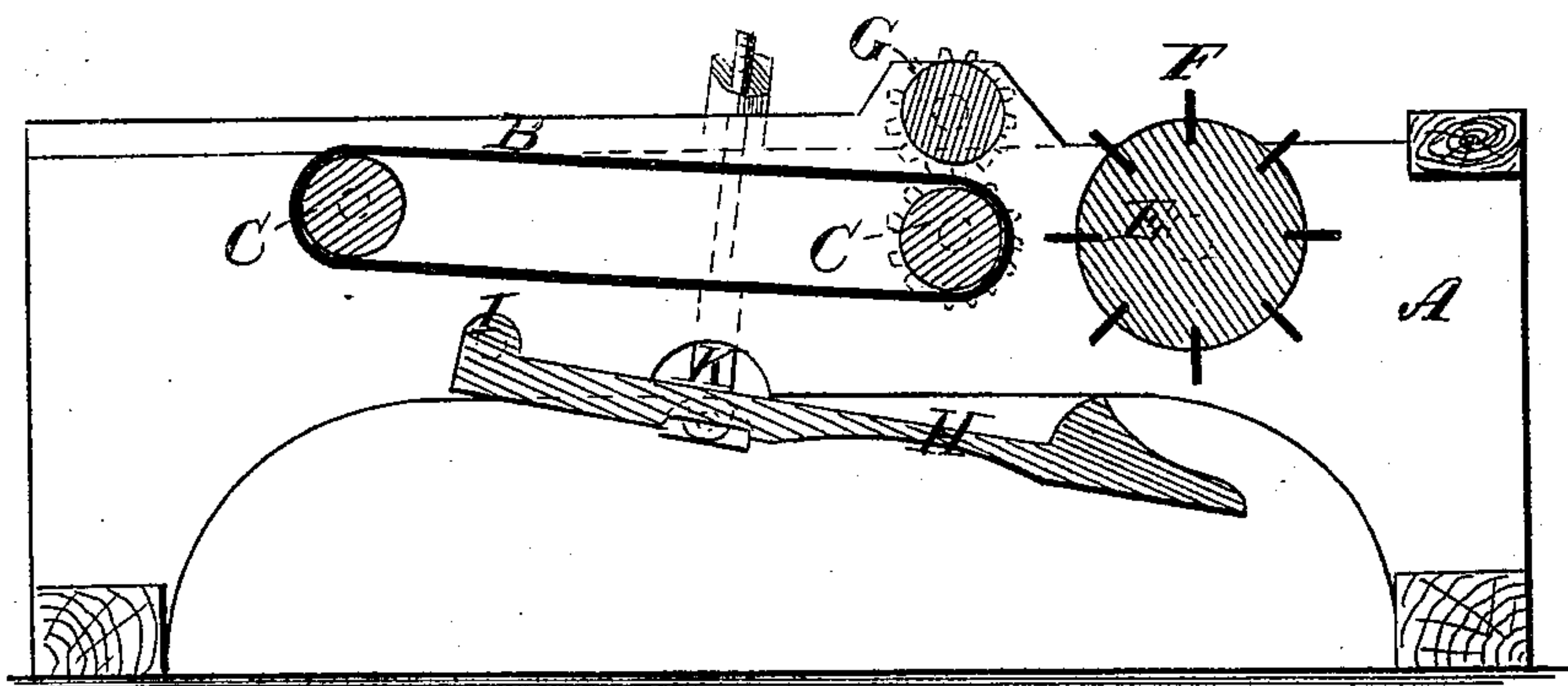
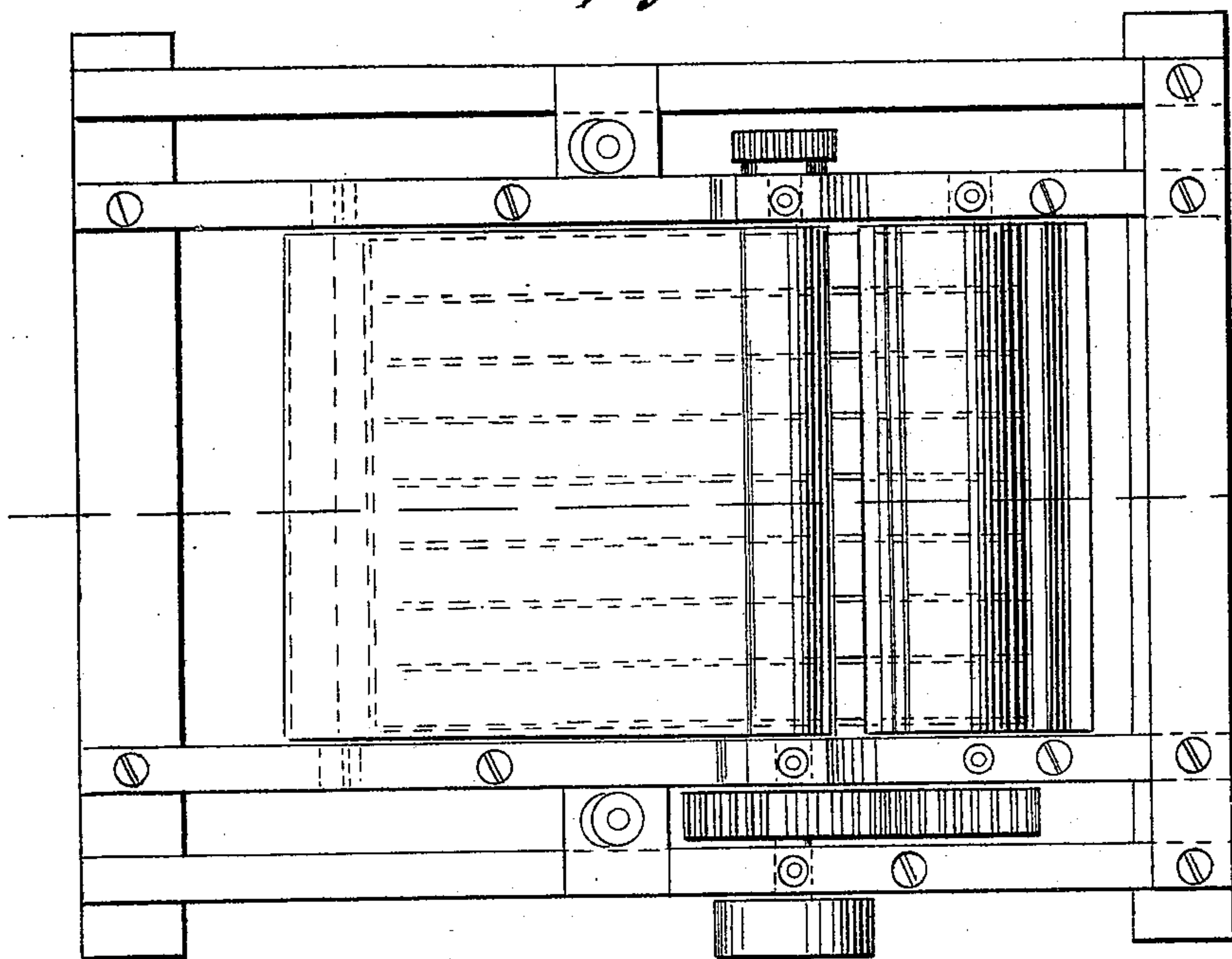


Fig. 2



WITNESSES.

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O. W. BEAN, OF FARMINGTON, TEXAS.

Letters Patent No. 92,776, dated July 20, 1869.

IMPROVED MACHINE FOR BREAKING AND SCOURING HIDES.

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

To all whom it may concern:

Be it known that I, O. W. BEAN, of Farmington, in the county of Grayson, and State of Texas, have invented a new and useful Improvement in Tanning-Apparatus; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in machinery for treating hides in tanning; and consists of an arrangement of apparatus to be placed over a vat containing the water, and adapted to break and scour the hides in the presence of the water.

Figure 1 represents a longitudinal sectional elevation of my improved machine, and

Figure 2 represents a plan view of the same.

Similar letters of reference indicate corresponding parts.

A represents a framing, preferably of rectangular form, for supporting the operating-parts, and adapted to be placed over a suitable vat or pool.

B represents an endless feeding-apron, worked upon a pair of rollers, C, to be driven by any competent power. They are designed for feeding the hides after being placed thereon by the operator, to the breaking-roller E, provided with breaking or scraping-knives F.

Above the feed-roller, next the breaking-roller, is provided a guide or presser-roller, G, geared with the feed-roller under it, and supported in yielding bearings.

Below the breaking-roller is an apron, H, pivoted to the frame at I, and suspended by the hangers K, capable of adjustment, to support the free end at any desired distance from the breaker.

The hides to be operated on, lying in the water of the vat, are taken up by the operator and spread upon the endless apron B, by which they are passed under the roller G, to the breaker, which has a more rapid motion than the apron and the rollers. As soon as the hide begins to pass through the rollers G C, the beaters will act upon it in a manner to scrape and beat the same, this action continuing until it is delivered over the end of the apron H, into the water again, by which it is kept wet and soft.

The machine is designed to be so made that a brushing-roller may be substituted for the beating-rollers, for subjecting the hides to a brushing-action when desired, and which is also required in the tanning-process.

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

The combination of the endless belt B, rollers C and G, beater-roller E, and apron H, all substantially as specified.

O. W. BEAN.

Witnesses:

C. WATSON,
WM. H. BEAN.