

(No Model.)

H. L. CLARK.
AUTOMATIC LEATHER HANGER.

No. 464,493.

Patented Dec. 8, 1891.

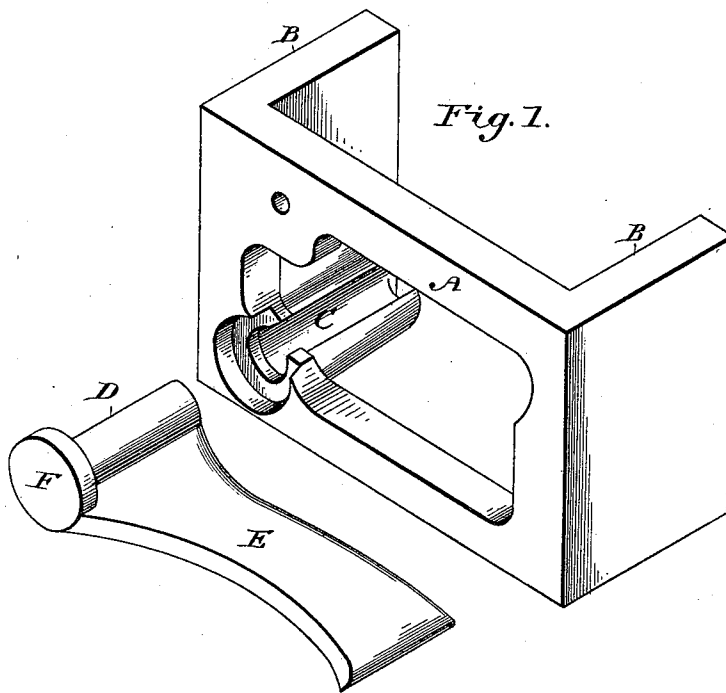
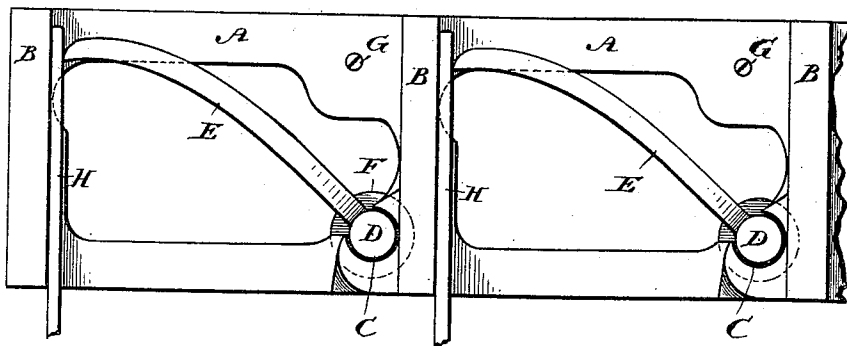


Fig. 2.



Witnesses.

H. W. Elworth.

Amey M. Parkins.

H. Lee Clark,

Inventor,

By his Attorney,

Geo. D. Mitchell.

UNITED STATES PATENT OFFICE.

HARRY LEE CLARK, OF CANTON, PENNSYLVANIA.

AUTOMATIC LEATHER-HANGER.

SPECIFICATION forming part of Letters Patent No. 464,493, dated December 8, 1891.

Application filed April 7, 1891. Serial No. 387,957. (No model.)

To all whom it may concern:

Be it known that I, HARRY LEE CLARK, a citizen of the United States, residing at Canton, in the county of Bradford and State of Pennsylvania, have invented certain new and useful Improvements in Automatic Leather-Hangers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in devices for suspending leather and hides in tanneries while undergoing the drying and other processes; and it has for its object to provide an appliance automatic in operation by which the leather shall be held securely while hung up and which shall at the same time obviate the injury and mutilation thereof that results from the antiquated methods now in use. In order to accomplish this object, I have devised the construction and arrangement of parts illustrated in the accompanying drawings, wherein—

Figure 1 represents a perspective view of my device from the rear, the two parts thereof being separated in order to illustrate more clearly their relation to each other; and Fig. 2 is a plan view of the same, partly broken away, showing my device in operation.

Similar letters of reference indicate similar parts in both views.

A is the base of the frame of the apparatus, preferably cast in the skeleton form shown and provided at its ends with the upright projections B. The thickened corner at C is bored out or left hollow for the reception of the rounded shoulder or pintle D of the latch E, for which it affords a bearing. The rear end of the pintle D of the latch E terminates in an annular disk F, as shown, and the rear end of the pintle-bearing C in the corner of the frame has an annular recess to correspond, so that when the latch E is placed in its intended position, as shown in Fig. 2, with the pintle D resting in the bearing C, and the whole fixture is screwed into its final position against a wall, beam, or other appropriate support, the latch will be prevented by said disk from moving out of its bearing longi-

tudinally. I am by this construction enabled to produce an appliance with but two parts, which are so simple and positive in their construction and operation that they will last indefinitely without getting out of order. It is obvious, however, that the clamp may be pivoted on a screw at C without departing from the spirit of my invention, though I prefer the construction particularly described as being simpler and more economical.

I prefer to construct my fixtures in gangs of six, for instance, as the cost of manufacture is thereby reduced and the work of putting up diminished. I also find it of advantage to give the fixture a plating of copper, if it is made of iron, in order to prevent discoloration of the leather.

The parts of my invention being constructed and arranged as described, its operation is as follows: The latch or clamp E being inserted in its proper place within the frame, with the pintle D resting in its bearing, the whole fixture is fastened to a wall, beam, or other appropriate support by the screws G, as shown in Fig. 2, and it is ready for use. A small end of a side of leather H is then pushed up between the free end of the latch E and the face of the neighboring upright wall B of the frame A, whereupon the latch descends of its own weight and the leather remains suspended, and when it is desired to take the same down it is only necessary to push the end of the latch upward and thus free it from its hold thereon. The ordinary practice among tanners is to cut a hole in the end of the leather and hang it on a nail, and the result is that that portion of the leather is damaged and has to be cut off, involving considerable waste; but with my automatic hanger the operation of hanging up and taking down is not only simplified, but the leather is not disfigured or injured in any way.

Having thus described my invention, what I claim is—

1. In a clamp adapted for attachment to a wall or other vertical support, the combination, with the frame having a flange or side plate and a pintle-bearing open at its rear end, of a gravitating latch having a pintle adapted for insertion endwise into the rear open end of the bearing in the frame and the

free end of the latch co-operating with the flange, substantially as described.

2. In a clamp adapted for attachment to a wall or other vertical support, the combination, with the frame having a flange or side plate and a pintle-bearing open at its rear end, and said bearing being slotted longitudinally, of a gravitating latch terminating at its pivot end in a pintle, said pintle being adapted for endwise insertion into the bearing and the free end of the latch co-operating with the flange, substantially as described.

3. In a clamp adapted for attachment to a wall or other vertical support, the combination, with the frame having a flange or side plate and an open-ended pintle-bearing, said bearing being slotted longitudinally and having an enlarged annular recess at one end, of the pivoted gravitated latch having a pintle integral therewith, said pintle having

an enlarged disk-shaped head at one end, so as to fit the recess when the pintle is inserted endwise into the bearing in the frame, substantially as described.

4. In a clamp adapted for attachment to a wall or other vertical support, the combination, with the frame having a flange or side plate and an open-ended pintle-bearing provided at the end next the wall with an annular recess, of a gravitating latch having a pintle, said pintle having an enlarged head at its rear end adapted for insertion lengthwise into the bearing in the frame from the rear side, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

H. LEE CLARK.

Witnesses:

S. J. STRAIT,

W. M. COONS.