(No Model.)

J. DAVIS.

HOOK.

No. 314,168. Patented Mar. 17, 1885.

Fig. 1.

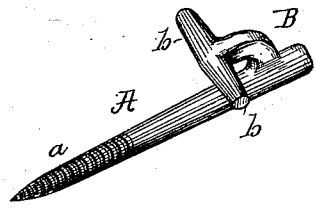
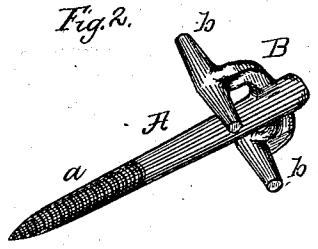


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN DAVIS, OF ALLEGHENY, PENNSYLVANIA.

HOOK.

SPECIFICATION forming part of Letters Patent No. 314,168, dated March 17, 1885.

Application filed July 9, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN DAVIS, a citizen of the United States, and a resident of Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Hooks, of which the following is a full, clear, and exact description.

The object of my invention is to provide a hook for use in tanning-vats, which shall securely hold the hides, and at the same time be of such material as not to stain the leather.

In the accompanying drawings, Figure 1 represents a perspective view of my invention, and Fig. 2 a like view of a hook having a double extremity.

Similar letters of reference indicate corresponding parts throughout the different views.

In the operation of tanning (by my improved process) a revolving cylindrical vat is used, within which the hides are held, stretched from side to side of the vat. Said hides when first introduced are heavy, pliable, and somewhat elastic. When the vat is revolved the hides are stretched, and when ordinary hooks or like devices are used they slip from their fastenings and fall toward the bottom of the vat. When this happens the process has to be stopped for a time and the hides returned to their proper places. To prevent such occurrences I have devised the hook about to be described.

A represents the body of the hook, and is preferably provided with the screw-threads *a*, by means of which it may be secured to the wood-work of the vat.

B is the extremity of the hook, and is provided with lateral offsets, *b*. Said offsets may be either at acute or right angles to the body of the hook.

In Fig. 2 is shown a modification of my invention, the hook end being duplicated. The same offsets are used in this as in the hook shown in Fig. 1.

The operation of the invention is as follows: The hooks are secured into the opposite sides of the vats, and the hides are stretched across said vats, and slits made in their edges. Said slits are in alignment with the bodies of the hooks, and are twisted at right angles to their normal position when about to be slipped over the offsets *b*. It will be seen that after the hides are secured upon the hooks no subsequent sagging or stretching during the operation of tanning can affect the security of the fastening, the offsets at all times preventing the hooks from becoming disengaged.

In order that the action of the tannic acid upon the hooks may not stain the leather, I construct said hooks of gun-metal or other alloy of copper having similar properties. Said gun-metal or alloy is practically unaffected by the tannic acid used, and consequently is innocuous to the hides and leather.

Having thus described my invention, what I claim is—

A hide or tanning hook consisting of a piece of metal pointed at one end, hooked at the other, and having an offset directly across the hook-points, substantially as shown and described.

JOHN DAVIS.

Witnesses:
JOHN A. KURTZ,
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