

(No Model.)

T. L. BAUMGARTEN.
NAIL FOR FASTENING HIDES.

No. 511,671.

Patented Dec. 26, 1893.

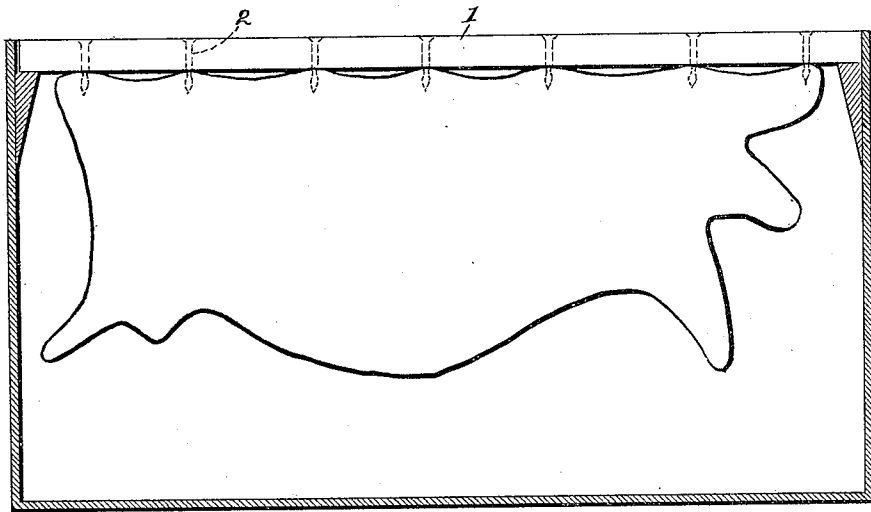


Fig. 1

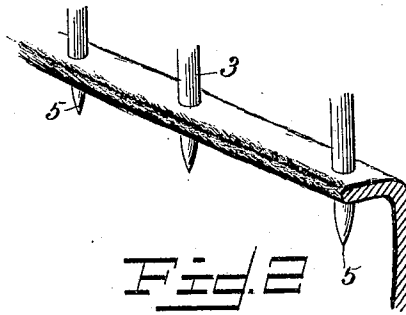


Fig. 2

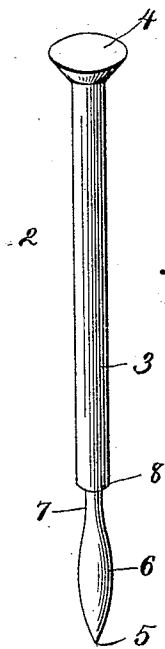


Fig. 3

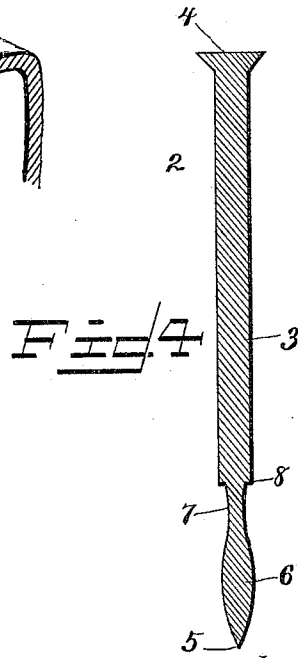


Fig. 4

Witnesses

Attest
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By his Attorneys,

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UNITED STATES PATENT OFFICE.

THEODORE L. BAUMGARTEN, OF HORNELLSVILLE, NEW YORK, ASSIGNOR OF
ONE-HALF TO FARRAND C. PRINDLE, OF SAME PLACE.

NAIL FOR FASTENING HIDES.

SPECIFICATION forming part of Letters Patent No. 511,671, dated December 26, 1893.

Application filed March 18, 1893. Serial No. 466,704. (No model.)

To all whom it may concern:

Be it known that I, THEODORE L. BAUMGARTEN, a citizen of the United States, residing at Hornellsville, in the county of Steuben and State of New York, have invented a new and useful Nail for Fastening Hides, of which the following is a specification.

This invention relates to nails for fastening hides and supporting the same during the operation of tanning or other treatment thereof, and it has for its object to provide simple and convenient means for readily and quickly securing a hide in position in connection with various mechanisms or suspending devices.

With this and other ends in view, the invention consists of the construction and arrangement of the parts thereof as will be hereinafter more fully described and claimed.

In the drawings: Figure 1 is a sectional elevation of a vat and supporting-stick in position therein and showing the improved nails in said stick with the hide attached thereto. Fig. 2 is a perspective view of a portion of the hide and a part of the nail projecting there-through, showing the manner of engagement of the nails with the hide. Fig. 3 is a detail perspective view of a nail on an enlarged scale. Fig. 4 is a transverse vertical section of the nail as shown in Fig. 3.

It has been the universal practice of tanners in tanning leather to suspend the hides when ready for the tanning liquor or fluid on long sticks in vats, or by means of brass or copper hooks or small wire nails, all of which methods consumed more or less time, both in putting the hide on the stick or other devices, and taking the same off therefrom, especially the latter operation. It is the intention of the present invention to obviate these disadvantages and to save labor and time in manipulating the hides in the manner set forth, as will now be fully and clearly explained.

Similar numerals of reference indicate corresponding parts in the several figures of the drawings.

Referring to the drawings, the numeral 1 designates a stick through which the improved form of nail 2 is driven, so that the lower end thereof will protrude or project below the said stick. The said nail consists of a cylindrical shank 3, of suitable length, preferably

constructed of brass or composition of metals that will not be affected by the acids in the tan liquor, and formed with a head 4 at the upper end thereof to prevent the nail from being drawn through the stick which carries the same. The lower end of the shank is sharpened to a point 5, of rounded form, and from thence upwardly the stock is gradually increased in diameter until it reaches the desired termination to form a circumferential enlargement or bulge 6, and from this enlargement the shank is reduced to form a contracted neck 7, that terminates at its base in a shoulder 8, from whence the shank of the nail again assumes the same, or about the same, diameter as the enlargement 6, and such diameter continues upwardly to the head 4. The shoulder 8 terminates the engaging and holding portion of the nail, or that part which is intended to be forced through the hide, and when driven through the stick it is intended that it shall occupy a position flush with the under edge of the stick and not interfere in the least with the operation of the enlargement 6 and neck 7. A plurality of the nails are driven through the stick, and the side of the hide is caused to engage the lower projecting ends of the nails that are all constructed in the manner set forth. In this engagement of the hide with the nails the former is caused to pass over the enlarged portions 6 and bear on the necks 7, it being understood that the hide will contract enough when the stick is turned over to hold the same firmly on the necks so that it can be suspended without danger of becoming accidentally detached. In removing the hide from the engaging points of the nails such operation can be easily accomplished by giving the stick a sudden upward jerk away from the side of the hide being operated upon.

The nail herein set forth is simple in its nature and can be easily constructed, and it is obviously apparent that changes in the proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having described the invention, what is claimed as new is—

A nail hanger of the class described, con-

sisting of a straight shank portion provided with a head at one end and a shoulder at its other end, said shank portion being extended beyond said shoulder into a contracted neck
5 and a rounded circumferential enlargement or bulge disposed below the neck and tapered into a rounded point, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

THEODORE L. BAUMGARTEN.

Witnesses:

A. T. PRINDLE,
L. C. BAUMGARTEN.