(No Model.) 2 Sheets—Sheet 1.

A. SCHMIEDL.

APPARATUS FOR HOLDING LEATHER WHILE BEING SCALLOPED.

No. 352,359. Patented Nov. 9, 1886.

Fig. 1.

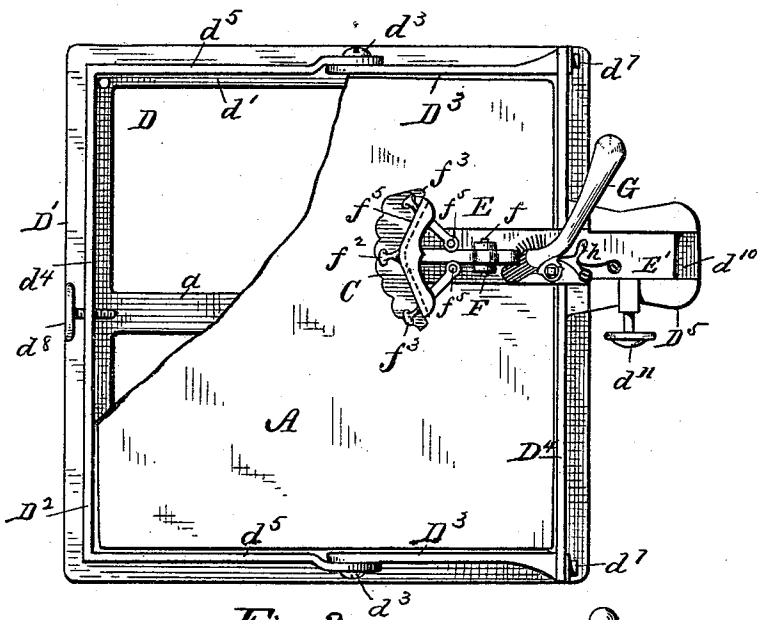


Fig. 2.

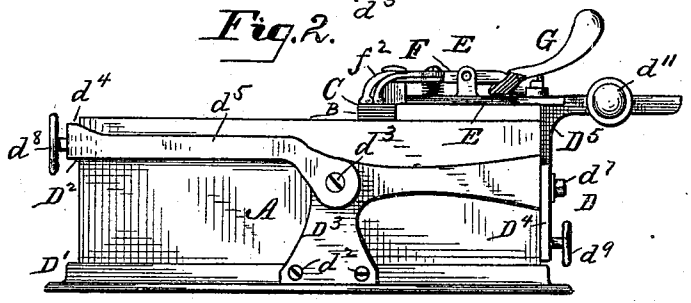
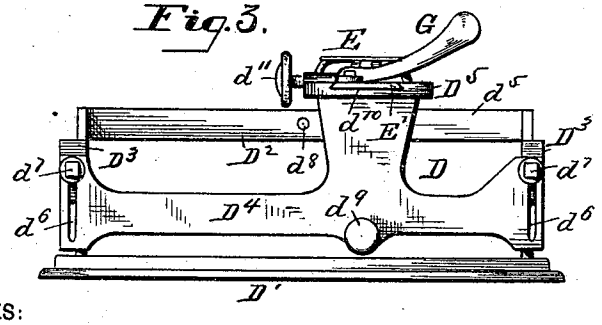


Fig. 3.



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(No Model.) 2 Sheets—Sheet 2.

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Fig. 4.

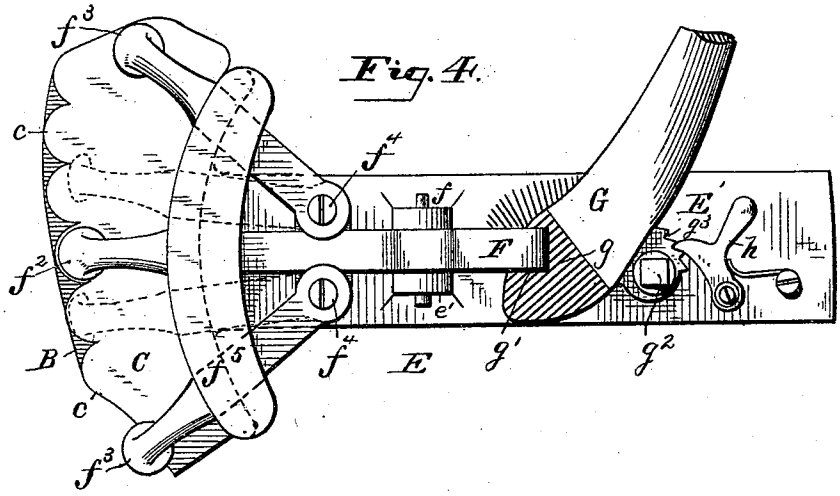


Fig. 5.

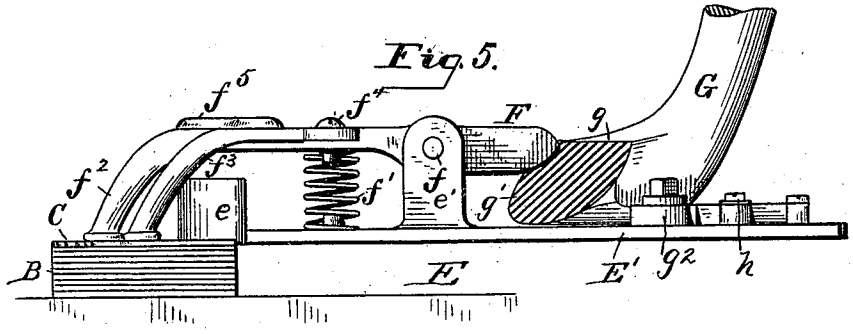
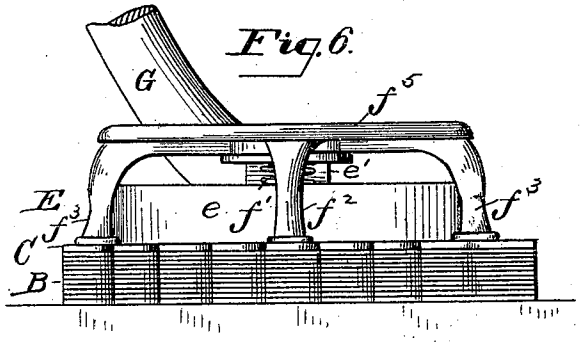


Fig. 6.



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UNITED STATES PATENT OFFICE.

ANTON SCHMIEDL, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO EDWARD B. JORDAN, OF BROOKLYN, NEW YORK.

APPARATUS FOR HOLDING LEATHER WHILE BEING SCALLOPED.

SPECIFICATION forming part of Letters Patent No. 352,359, dated November 9, 1886.

Application filed July 29, 1886. Serial No. 209,391. (No model.)

To all whom it may concern:

Be it known that I, ANTON SCHMIEDL, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Apparatus for Holding Leather while being Scalloped; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a plan of my invention, the block being shown partly broken away. Fig. 2 is a side elevation of same, and Fig. 3 an end elevation with block removed. Figs. 4, 5, and 6 are enlarged detail views of the clamp shown in Figs. 1, 2, and 3, showing also a series of blanks or laps and a pattern therefor.

My invention has for its object to produce a device to facilitate the holding and cutting of leather and other blanks—such as the button-laps of shoes—which require to have their edges scalloped.

By my invention I provide a construction whereby pins are dispensed with, the work held steadily, and other advantages gained, as hereinafter set forth.

Referring to the accompanying drawings, A designates a rectangular wooden block, on which the blanks shown at B B rest while being cut or scalloped to conform to the shape of the pattern shown at C, resting on said blanks.

D is a rectangular frame, preferably of castings, and comprising a flat base, D′, a swinging or pivoted yoke, D^2, standards D^3 D^3, and a back plate, D^4. The base D′ has a cross-piece, *d*, centrally located, and it is also rabbeted around its inner edge at *d′*, forming a ledge for the rest or support of the block A. The standards D^3 D^3 are approximately L-shaped, and are rigidly secured to the base D′ by screws d^2 d^2. At the elbows or bends of the standards the ends of the swinging yoke D^2 are pivoted on pins or screws d^3 d^3, said yoke being U-shaped, having a straight front bar, d^4, and two side arms, d^5 d^5. To the upper or rear ends of the standards D^3 D^3 is secured the back plate, D^4, said back plate having vertical slots d^6, through which adjusting-screws d^7 pass into said standards. The yoke D^2 has a set-screw, d^8, and the back plate, D^4, a similar screw, d^9. These screws when turned in press against the block A and hold it firmly in position. The yoke D^2 is made to swing, so as to allow it to be lowered in inserting and withdrawing the block A, and the plate D^4 is made vertically movable to adjust the clamp it carries relatively to the upper surface of said block, or to the height of the pile of blanks or laps and the pattern resting on said block.

D^5 is a rearwardly-extending bracket on the back plate, D^4, and preferably made integral therewith. Said bracket has a longitudinal dovetail groove, d^{10}, and a set-screw, d^{11}, for fastening a sliding plate, E′, which forms the base of a clamp, E. The forward end of the slide E′ is formed with a flange, *e*, which is preferably curved so as to conform to the concave inner edges of the blanks or laps B and pattern C, which rest against it.

F is a lever fulcrumed at *f* in a bifurcated boss or stud, *e′*, on the slide E′.

G is a lever having a cam-head, *g*, preferably serrated, as shown at *g′*, and fulcrumed at g^2 on the slide E′, so that it can be swung or thrown horizontally to bring its head under the rear end of lever F, thereby tilting or throwing down the forward end of said lever F, and reversely moved to allow said lever F to rise under the influence of a retracting or lifting spring, *f′*. The forward end of lever F is bent downwardly, as shown, and enlarged at its extremity, forming a clamping-toe, f^2. Said lever has also a cross-head, f^5, beneath which pass two other toes, f^3 f^3, which are pivoted at f^4 f^4, so that they may be adjusted by a horizontal swinging movement relatively to the center toe, f^2, the adjustability being indicated by the dotted lines in Fig. 4. If desired, more than two adjustable toes may be applied to the lever F. There may, for example, be one for every scallop *c* of the pattern C.

To hold the lever G dogged when under the lever F, a pawl, *h*, engaging with a ratchet, g^3, on said lever G, may be employed.

The operation is as follows: The block A having first been placed in the frame D and duly secured by the screws d^8 d^9, the blanks or

laps to be cut are laid in a pile on said block, the pattern C on top, and the inner edges of said blanks and pattern resting against the flange *e*, which forms a gage. The lever F, which was previously raised by the action of spring *f'*, is now tilted downwardly at its forward end, bringing the toes down on the pattern and clamping the latter and the blanks firmly on the block A, the lever G being thrown to effect the movement of said lever F. The scalloping of the blanks or laps is now effected in the usual manner. As the cutting or scalloping operation chips the block A, it is desirable from time to time to secure a fresh surface thereon for such operation. Accordingly the clamp E may be released and moved forward or back by first unloosening the screw d^{11}, and secured in a new position by turning in said screw against the slide E'.

It will be noted that the bracket D^5 and the clamp E are a little to one side of the median or central line of the base D'; hence the scalloping is performed not directly over the center of the block, but to one side of such center, and by lifting said block and turning it in the frame D substantially every part of the surface of the block may be used. When the whole operative surface of said block becomes scored or chipped it may be planed off. As this reduces the height of the block, the clamp E and back plate, D^4, may be correspondingly lowered by first loosening the screws d' and then tightening the latter.

What I claim as my invention is as follows:

1. A frame, D, and block A, and provided with the adjustable swinging or pivoted clamp constructed and adapted to embrace and secure said block, substantially as shown and described.

2. A frame constructed substantially as described, and adapted to receive and hold a block, A, and combined therewith, said frame having a pivoted or swinging yoke, D^2, with set-screws d^8, substantially as shown and described.

3. A frame, D, and block A, said frame having one of its sides composed of or comprising an adjustable plate or bar, D^4, which embraces said block, substantially as shown and described.

4. The frame D, comprising a base, D', pivoted or swinging yoke D^2, standards D^3 D^3, and adjustable plate or bar D^4, the bar D^4 being attached to side bars, D^3, which embrace a block, A, substantially as shown and described.

5. The combination, with frame D and block A, and with a clamp which embraces said block and holds it in position, of a clamp, E, for clamping work on said block, substantially as shown and described.

6. The combination, with a frame, D, and block A, and provided with a clamp which embraces said block and holds it in position, of a sliding horizontally-adjustable clamp, E, substantially as shown and described.

7. The combination, with a frame, D, and block A, and provided with a clamp which embraces said block and holds it in position, of a vertically-adjustable clamp, E, substantially as shown and described.

8. The combination, with a frame, D, and block A, and provided with a clamp which embraces said block and holds it in position, of a horizontally and vertically adjustable clamp, E, substantially as shown and described.

9. The combination, with frame A, having a bar or plate, D^4, with extension or bracket D^5, of a clamp, E. said clamp comprising a base or slide, E', and said bracket being grooved and provided with a set-screw, whereby said clamp is adjustably held, substantially as shown and described.

10. The combination, with frame D and block A, and having vertically-adjustable plate or bar D^4, of a clamp, E, supported on said plate or bar, substantially as shown and described.

11. The clamp comprising a slide or base, E', and lever F, having downwardly-extending toes, separately pivoted to the lever F and adjustable relatively to each other, substantially as shown and described.

12. The combination, with the clamp lever F, having downwardly-extending and laterally-adjustable toes f^2 f^3, of the lever G, substantially as shown and described.

13. The combination, with the lever F, of the laterally and relatively adjustable toes f^3, substantially as shown and described.

14. The combination, with base E', of lever F, having toes f^2 f^3, adjustable relatively to the lever and to each other, and cam lever G, substantially as shown and described.

15. The combination, with base E', of lever F, having central fixed toe, f^2, and adjustable toes f^3 on either side of the fixed toe, substantially as shown and described.

16. The combination, with base or slide E', having flange *e*, of lever F, fulcrumed thereon, said lever having downwardly-extending toes, spring *f'*, for raising said lever, and lever G, for throwing down and holding said lever F, substantially as shown and described.

17. The combination, with slide or base E' and clamping-lever F, of cam-lever G, pawl *h*, and ratchet g^3, substantially as shown and described.

18. The combination, with lever F, having cross-head f^5, of toes f^3, pivoted on said lever and movable on or along said cross-head, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 28th day of July, 1886.

ANTON SCHMIEDL.

Witnesses:
EDWARD E. PAXSON,
M. D. CONNOLLY.