(No Model.)

J. H. MITCHELL.

PAN FOR BAKERS' USE.

No. 344,194. Patented June 22, 1886.

FIG. 1.

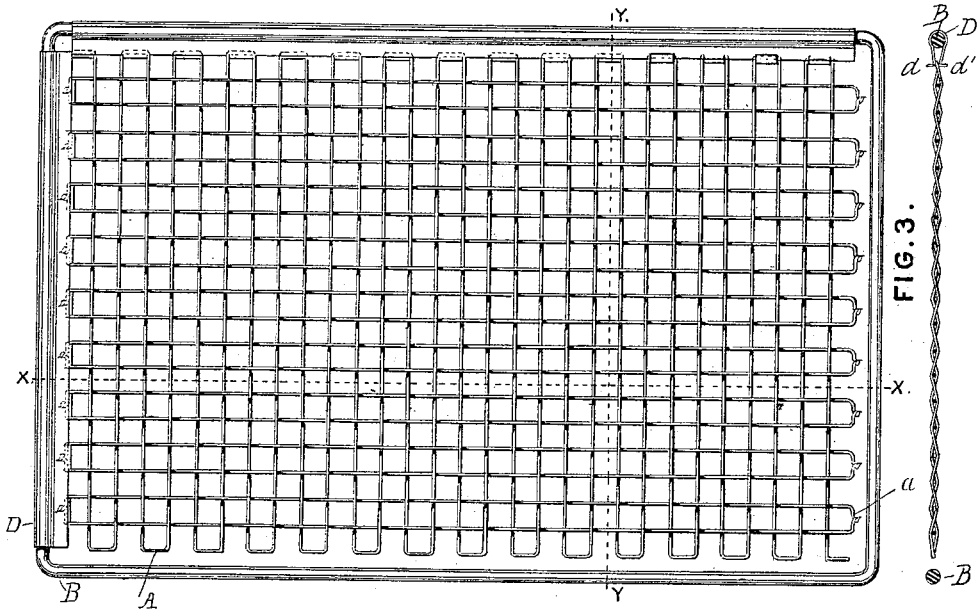


FIG. 3.

FIG. 2.

FIG. 4.

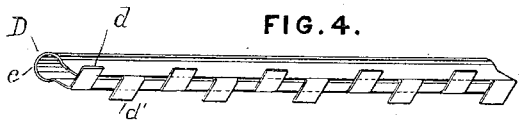


FIG. 5.

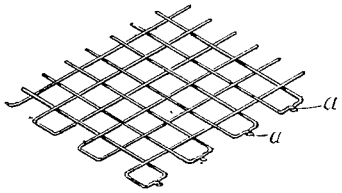
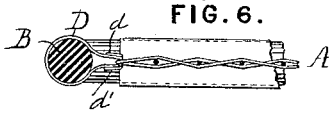


FIG. 6.



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PAN FOR BAKERS' USE.

SPECIFICATION forming part of Letters Patent No. 344,194, dated June 22, 1886.

Application filed January 25, 1886. Serial No. 189,596. (No model.)

To all whom it may concern:

Be it known that I, J. HENRY MITCHELL, of Philadelphia, in the State of Pennsylvania, have invented certain new and useful Improvements in Pans for Bakers' Use and Similar Structures, whereof the following is a specification, reference being had to the accompanying drawings.

My invention has special reference to that class of pans which are intended for use in connection with hard dough, and which, as heretofore constructed, have consisted of a woven-wire fabric or net-work to which a rim has been secured by riveting.

The object of my invention is not only to avoid the cost of this method of construction, but to strengthen the pan at the junction of the wire fabric and its rim, and at the same time to secure flatness and uniformity of surface in the pan.

In the accompanying drawings, Figure 1 represents a top or plan view of the pan, showing in different parts different stages of construction. Figs. 2 and 3 are sectional views thereof on the line X X and Y Y, respectively. Fig. 4 is a view in perspective of the locking-piece by which the wire rim is secured to the body of the pan. Fig. 5 is a perspective view of the wire fabric which forms the body of the pan; and Fig. 6 is a sectional view, on an enlarged scale, showing the completed joint by which the locking-piece is secured to the wire fabric.

In said drawings, A represents the woven-wire fabric which forms the body of the pan, and which, being cut into any suitable lengths, has the loose ends twisted together, as shown at *a*, so as to form a substantially straight edge to the sheet.

B is the rim of heavy wire, which is attached thereto in the following manner: I construct a locking-piece, D, of heavy sheet metal, which is bent longitudinally, as shown at *e*, the interior of the fold being of a proper size and shape to conform to the surface of the wire rim B. The edges of the locking-piece are indented in opposite directions, so as to leave preferably upon each side, as shown, a series of tongues, *d d'*. These tongues alternate with one another, as shown in Fig. 4, at intervals which correspond with the meshes of the wire fabric A, and the tongues upon each side are bent inwardly, so as to overlap the opposite edge. The locking-piece D having been placed around the wire rim B, the tongues *d d'* are inserted into the meshes along the edge of the wire fabric A, and are then closed or folded down, as shown in Fig. 6, so as to form a close joint with the opposite side of the locking-piece, which they overlap. The operation by which said tongues are closed down, as stated, also brings together the two sides of the locking-piece in curves, as shown in Fig. 6, and thus tends to stretch the wire fabric A, so as to make a flat and even surface for the body of the pan.

It will thus be seen that by the above-described method of construction I not only attach the rim of the pan in a very cheap and simple manner, but obtain great strength along the edges of the pan, where breakage is most likely to occur, and, by avoiding the holes and necessary roughness of riveting, afford the least possible lodgment for grease and other foreign matters. I also stretch the wire fabric which forms the pan, so as to maintain to the greatest possible extent a flat and uniform surface.

I am aware that it is not, broadly speaking, new to secure sheet metal to wire-cloth by inserting tongues of the metal through the interstices of the wire-cloth, and I therefore do not claim the same; but

I claim—

The combination, with a pan-body composed of woven wire, of a rim surrounding the same, and a series of locking-pieces which surround said rim, and have tongues which engage with the edge wires of the pan-body and are folded back toward said rim, substantially as set forth.

J. HENRY MITCHELL.

Witnesses:
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