May 23, 1933. J. E. BALES 1,910,144

TABLE EDGING

Filed April 4, 1930

FIG. 1.

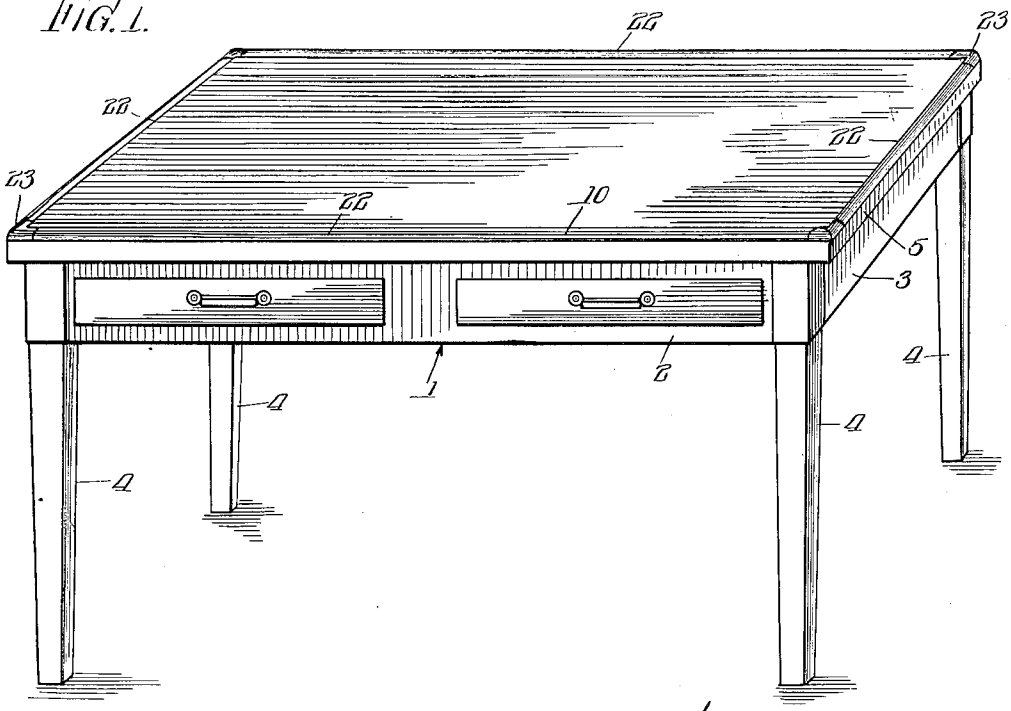


FIG. 2.

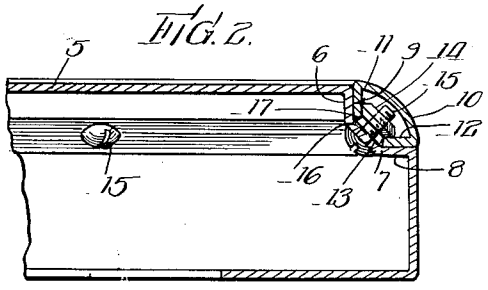


FIG. 3.

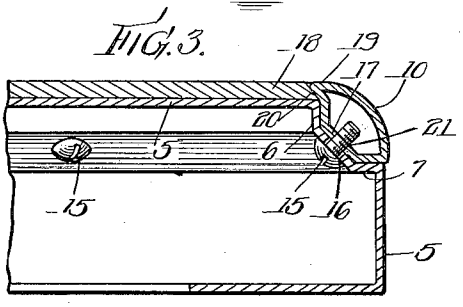


FIG. 4.

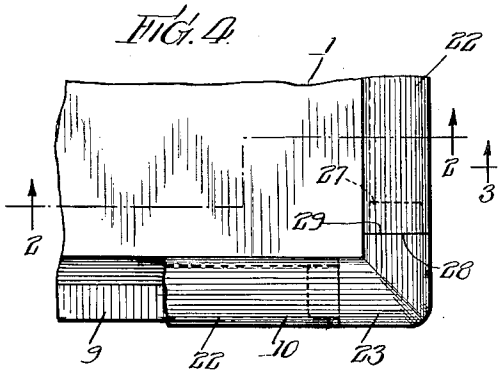
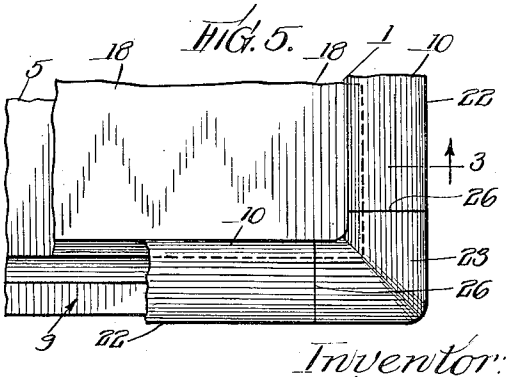


FIG. 5.



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UNITED STATES PATENT OFFICE

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TABLE EDGING

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This invention relates to table construction in general and particularly to an edging or bead to be fastened around the outer edge of a table. More specifically, the invention relates to an edge or beading which is fastened to sheet metal tables or similar products.

In the conventional type of tables the side edge of the table extends upwardly flush with the top of an inserted table covering which may be made of any material whatever, depending upon the type of table. In sheet metal tables this molding or outside edge is painted or enameled, which paint or enamel becomes worn after a short period of use due to rubbing thereagainst such as by the arms of a person or by articles being placed on or removed from the table top. These conventional tables must also have the top covering, if it is inlaid, such as a linoleum inlay, pasted or glued thereon, there being nothing about the edge of the linoleum to keep the inlay in place.

The primary object of the present invention is to arrange an edging or bead in a recess provided in a table top to permit the top surfacing of the table to be readily and quickly applied, to prevent wear at the edge, and to give the table a neat and ornamental appearance.

Another object is to provide an ornamental bead which is preferably made of non-ferrous material such as aluminum, brass, or chromium-plated metal to take up the wear at the upper edge of a table, desk, stand, or other similar article.

Another object is to provide an ornamental bead which assists in holding the table covering, such as linoleum inlay in place.

A still further object is to provide a table which is ornamental and which can be readily and economically manufactured.

Numerous other objects and advantages will be apparent throughout the progress of the following specification.

The invention comprises in general a sheet metal table having a groove provided therein at its upper edge to receive an ornamental bead. A hole is provided in the underside of the table in the recess through which fastening means extend for threadedly engaging the bead to hold the bead fixedly in position. The bead, as shown in one of the figures, may have a protruding lip or tongue to engage the outer edge of the linoleum or other inserted table covering. The bead or edging is preferably made of non-ferrous material such as aluminum, brass, bronze, or chromium-plated material of any kind. The bead has a smooth, rounded edge which eliminates all corners, prevents wear of the table edge, and makes a neat and ornamental appearance.

The accompanying drawing illustrates a selected embodiment of the invention and the views therein are as follows:

Fig. 1 is a detail perspective view of a table or desk embodying the invention.

Fig. 2 is a detail sectional view on the line 2—2 of Fig. 4 showing one form of the bead or edging connected in place.

Fig. 3 is a detail perspective view on the line 3—3 of Fig. 5 showing the table edging or beading having a protruding lip for engaging a linoleum or other type of table top.

Fig. 4 is a detail plan view partly in section of the construction shown in Fig. 2.

Fig. 5 is a detail plan view partly in section of the construction shown in Fig. 3.

Referring to the drawing, 1 designates a table generally having front and rear sections 2 and side sections 3 which are rigidly fastened to the table legs 4. A top 5 is rigidly secured to the members 2 and 3 in any convenient manner. The top 5 like the members 2 and 3, and the legs 4 are preferably made of sheet metal. The outer edge of the sheet metal top 5 is bent downwardly to provide a vertical edge 6, then diagonally to provide the beveled edge 7, and then horizontally to provide the horizontal edge 8, as shown in Fig. 2 to provide a groove 9 extending completely about the exterior edge of the top. A bead 10 has a vertical edge 11, a horizontal edge 12, and a diagonal edge 13. The edges 11, 12, and 13 fit with the edges or sides 6, 8, and 7 of the recess.

The bead may have a threaded member or

nut 14 welded therein to receive a threaded member or bolt 15. This bolt passes through alined holes 16 and 17 in the surface 7 of the groove and the surface or edge 13 of the beading. The screw or bolt 15 is inserted from the underside of the table and when tightened, securely holds the bead or edging 10 in position in the recess.

As shown in Fig. 3, the top 5 may be provided with a composition top cover 18, such as linoleum. The bead 10 is then provided with an inwardly extending lip 19 which engages the outer edge 20 of the composition top or linoleum. Instead of having a nut 14 welded inside of the beading as shown in Fig. 2, the beading may be provided with a threaded opening 21 to receive the threaded end of the bolt 15 which passes through the alined holes 16 and 17 in the groove and bead respectively.

Where the corners are rounded at a relatively large radius, the beading may be continuous thereabout. Where a sharp corner is provided, such as shown in Fig. 1, the beading cannot be conveniently bent or drawn around the sharp corner. In this case the beading is made in longitudinal strips 22, Fig. 1, which cooperate with corner members 23, Figs. 4 and 5. These corner members may be flush and abut the strips as designated at 26, Fig. 5, or the corner members may be provided with an insert reduced portion 27 which extends inwardly of the beading and edges with the shoulders 28 of the corner members engaging the outer edge 29 of the bead as shown in Fig. 4.

As shown in the various figures and particularly in Figs. 2 and 3, the top includes the downwardly extending portion forming the table rails or rim. The sheet metal rails are bent at the juncture with the inwardly extending top portion to provide a groove extending entirely about the rim. The top portion is integral with the side rails or rim and provides a support upon which a composition, leather, or other similar top is supported.

The invention provides a table which has an ornamental, non-ferrous bead arranged about the upper outer edge of the top to take up the wear, to ornament the table and, to hold the top inlaid surface in position. The bead gives a smooth round edge for the table, and a table constructed in accordance with the present invention may be readily and economically manufactured.

While the edging has been referred to as being applied to a table, it is to be understood that the invention is also applicable to desks as well as other similar products. The term "table" as set forth in the claims, is to be construed broadly and includes all articles having a top to which the invention may be applied such as desks, stands, and other articles.

Changes may be made in the form, construction, and arrangement of the various parts without departing from the spirit of the invention or sacrificing any of its advantages, and the right is hereby reserved to make all such changes as fairly fall within the scope of the following claims.

The invention is hereby claimed as follows:

1. A metal table having a top portion and downwardly extending integral rails providing a table rim, said rim being provided with a recess at the juncture of the rails with the top portion, a beading having its outer surface rounded and its inner surface conforming with the shape of the recess, said beading being arranged in said recess, and a threaded member extending through the metal of the rim at the recess and engaging the beading for holding the beading in position.

2. A table having a metal top portion and downwardly depending rails integral therewith and providing a rim, said rim being bent to provide a three-sided recess, said recess being formed at the juncture of the top portion and the rails, a beading having its outer surface rounded and its inner surface bent to conform with the shape of the groove walls, said beading being arranged in said recess, and a threaded member extending through the metal at the top of the recess for holding the beading in position.

3. A table having a metal top portion and downwardly depending rails integral therewith and providing a rim, said rim being belt to provide a three-sided recess, said recess being formed at the juncture of the top portion and the rails, a beading having its outer surface rounded and its inner surface bent to conform with the shape of the groove walls, said beading being arranged in said recess, a threaded member extending through the metal at the top of the recess for holding the beading in position, a composition top mounted on the top portion, and an inwardly extending lip on said beading for holding said top in place, the upper edge of the beading being flush with the composition top.

4. A sheet metal table having a top portion, downwardly extending rails integral with said top portion and forming a table rim, said rim being bent to provide a groove at the juncture of the top portion and the rails, a hollow edging or beading arranged in said recess, said beading being provided with threaded portions on its under side, a top covering for said top portion, a lip bent on said edging or beading and engaging the covering, a member extending through a part of the rim and engaging the threaded portion for holding said beading or edging

in said recess and causing said lip to impinge the covering to hold the covering against the top portion.

5. A sheet metal table having a top portion, downwardly extending rails integral with said top portion and forming a table rim, said rim and top each being bent to provide a groove at the juncture of the top portion and the rails, a hollow edging or beading arranged in said recess, and fastening means extending through the rim and threadedly engaging a wall of the edging or beading, said fastening means extending into the inside of the said edging or beading.

6. A metal table comprising a rim having an inwardly extending integral top portion, said rim being provided with grooves at the juncture of the top portion with the side rails, hollow beading arranged in the grooves, corner members at the corners of the table substantially the same size as the beading, and integral legs formed on the corner members and extending into the beading.

7. A sheet metal table having a top portion, a vertical edge extending about said top portion below the top thereof, rails for said top, a horizontal edge extending inwardly from said rails, a beveled edge connecting said vertical and horizontal edges, said vertical, horizontal and bevel edges forming a peripheral groove about the table top, and beading arranged in said groove.

In witness whereof, I have hereunto subscribed my name.

JAMES E. BALES.