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EDGE CONSTRUCTION FOR FURNITURE TOPS

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2 Sheets-Sheet 2

Fig. 3.

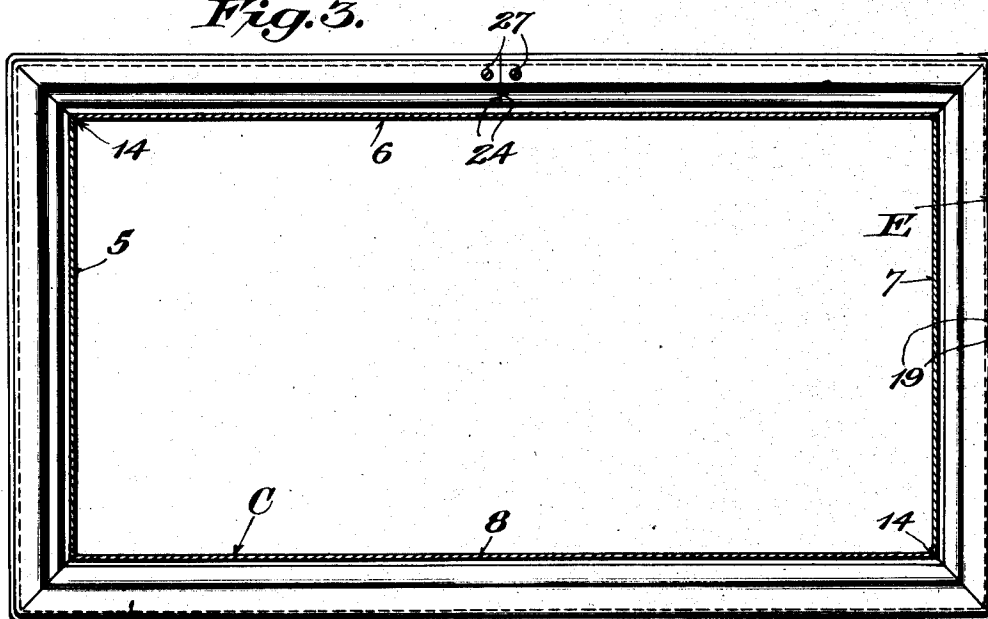


Fig. 4.

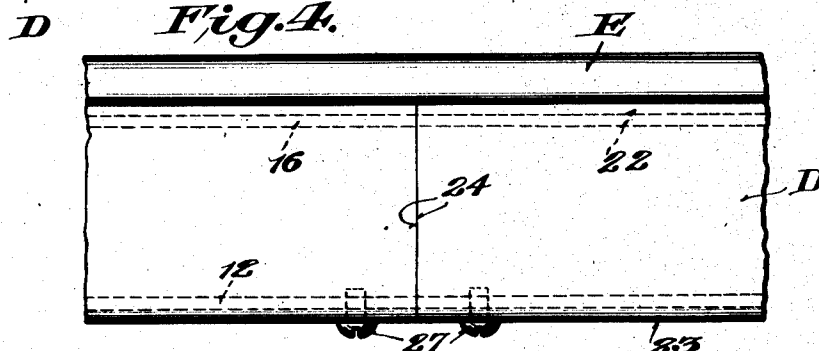
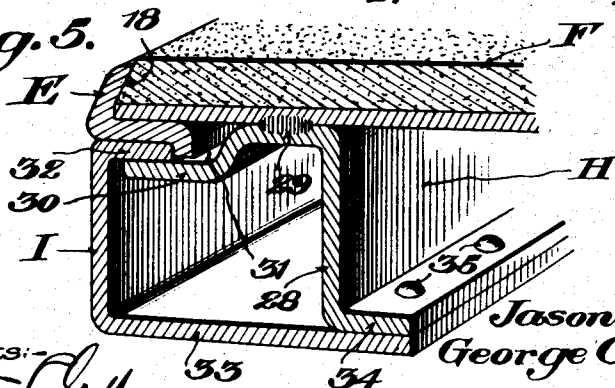


Fig. 5.



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UNITED STATES PATENT OFFICE.

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EDGE CONSTRUCTION FOR FURNITURE TOPS.

Application filed March 31, 1924. Serial No. 703,185.

This invention relates to an improved edge construction for furniture tops such as desks, tables, or the like.

A primary object of the invention is to provide a neater binding strip at the edge of the linoleum and to protect the face of the binding strip support so that the finished surface will not be so readily worn away and also making a substantial binding strip which is readily placed in position and also readily removed when desired.

Another object of the invention is to provide an edging for the table which will be of substantial depth to present a good design.

A further object of the invention is to provide a supporting rail for the table top, and a facing strip for the rail which is inset from the outer face of the edging bead whereby the latter will protect the former from becoming injured or otherwise marred.

With the above and other objects in view which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter more fully described, illustrated and claimed.

In the accompanying drawings

Figure 1 is a detail vertical sectional view through a table top constructed in accordance with our invention.

Figure 2 is a perspective view of the parts forming the edging of the table.

Figure 3 is a bottom plan view of the table top and taken on the line 3—3 of Figure 1.

Figure 4 is a detail elevation showing the meeting ends of the facing strip and the means for fastening the ends of the facing strip to the supporting rail, and

Figure 5 is a perspective view partly in section, showing a modified form of a table edging.

Like reference numerals designate corresponding parts throughout the several figures of the drawings.

In embodying the invention in a metallic furniture top or platen for a desk or table, the top A is fitted with edging B which preferably consists of a supporting rail C, a facing strip D, and a bead E for protecting the edges of the linoleum F or other

covering which may be cemented or otherwise secured to the upper surface of the top or platen to provide a composite furniture top.

The table top A is secured to the rail C and the facing strip D is in turn supported by the rail and cooperates with the bead abutment E to lock the latter in position.

The rail C may be formed from pressed sheet steel and preferably comprises four sections 5, 6, 7 and 8 which are respectively disposed under the edge portions of the table top and offset inwardly a short distance from the edges of said top. Each of these sections is bent longitudinally to form in cross section a rectangular construction comprising an inner wall 9, an outer wall 10, a connecting top 11, and a base flange 12, the latter extending inwardly from the bottom of the outer wall 10 and terminating as at 13 in spaced relation to the inner wall 9. The sections of the rail C have their ends mitered and welded as indicated at 14 so as to make a snug fit. The connecting top portion 11 of each section may be spot welded to the table top A as indicated at 15. The outer portion of each connecting top portion 11 is depressed as indicated at 16 to form a resultant pocket 17 between said depressed portion 16 and the outer edge portion of the table top A.

The edges of the surfacing material F of the table top are preferably beveled as at 18 and the metallic bead E which is formed of a single length for the four sides of the table top is disposed along the beveled edge 18 and has its ends 19—19 disposed in abutting relation. In order to retain this bead in position, we have provided the same with an inwardly extending flange 20 which projects into the pocket 17. The inner end of this flange 20 is formed with a downturned lip 21 which lies near the back of the pocket.

The facing strip D is likewise formed of pressed sheet steel and preferably is formed from a single length. This strip is bent longitudinally to form an upper bead keeper flange 22 and a lower retaining or base flange 23. This facing strip surrounds the sections of the rail C and the ends 24—24 thereof are disposed in abutting relation as shown in Figure 4. The upper flange 22 of the facing strip projects into the pocket

17 between the inwardly extending flange 20 of the bead E and the depressed portion 16 of the rail, the inner edge of the flange 22 cooperating with the depending flange 21 of the bead to lock the latter in position. The lower or base flange 23 of the facing strip D extends under the base flange 12 of the rail and has an inwardly extending projection 25 which constitutes a finger guard. The extension or guard 25 is raised above the plane of the base flange 23 through the medium of a locking shoulder 26 which cooperates with the inner edge of the base flange 12 of the rail to provide an interlocking or retaining engagement between the rail and the facing strip.

In order to securely hold the abutting end portions of the facing strip D against movement screws 27—27 may be employed, the same being disposed on opposite sides of the abutting edges 24 of the base and engage the base flanges 23 and 12 of the strip and rail respectively.

The outer face of the facing strip D is inset relative to the outer face of the bead E whereby the latter will protect the former from becoming disfigured or marred.

If the table or other article is provided with a drawer G, which is disposed directly under the edging B, the guard 25 will prevent the fingers from being pinched between the base flange 23 and the drawer upon outward movement of the latter.

From the foregoing it will be observed that the invention provides a table or other article with a detachable bead which is retained in position through an interlocking connection with a facing strip which in turn has an interlocking engagement with a supporting rail. Consequently, should it be desired to replace the bead E or to remove the latter for the purpose of substituting a new surfacing material F, the bead may be readily detached after first detaching the facing strip.

In the modified form shown in Figure 5, we have illustrated a slightly different construction of a rail and a facing strip. In this form the rail H includes an inner wall 28 and a top 29, the outer edge portion of the latter being depressed as at 30 to form a pocket 31 corresponding to the pocket 17 previously described. The top 29 in this form is not provided with either a front wall or a lower base flange. The facing strip I is provided with an upper flange 32 for interlocking engagement with the bead E and with a lower base flange 33. The base flange 33 extends inwardly beyond the inner wall 28 of the rail and is connected to a base flange 34 of the latter by screws 35—35.

Without further description it is thought that the features and advantages of the invention will be readily apparent to those skilled in the art, and it will of course be

understood that changes in the form, proportion and minor details of construction may be resorted to without departing from the spirit of the invention and scope of the appended claims.

We claim:—

1. An edge construction for furniture tops including the combination with a top section, of a bead extending along the edge thereof, a supporting rail disposed under the top and extending along the edge thereof, said rail having an outer depressed portion forming a resultant pocket located under the edge portion of the top, said bead having an inwardly extending flange disposed in said pocket, and a facing strip connected to said rail and having an inwardly extending flange disposed within said pocket between the bead flange and the depressed portion of the rail for retaining said bead in position.

2. An edge construction for furniture tops including the combination with a top section, of a bead extending along the edge thereof, a supporting rail disposed under the top and extending along the edge thereof, said rail having an outer depressed portion forming a resultant pocket located under the edge portion of the top, said bead having an inwardly extending flange disposed in said pocket, and a facing strip connected to said rail and having an inwardly extending flange disposed within said pocket between the bead flange and the depressed portion of the rail, the inner edge of the bead flange terminating in a downwardly extending locking flange cooperating with the rail flange to retain the bead in position.

3. An edge construction for furniture tops including the combination with a top section, of a bead extending along the edge thereof, a supporting rail disposed under the top and extending along the edge thereof, said rail being formed from a strip of pressed metal and bent longitudinally to form spaced inner and outer walls, a connecting top and a base flange extending inwardly from the lower edge of the front wall, and a facing strip having an inwardly extending base flange connected to the base flange of the rail and having its upper portion connected to the bead to hold the latter in position.

4. An edge construction for furniture tops including the combination with a top section and a drawer slidably mounted therebeneath, of a bead extending along the edge thereof, a supporting rail disposed under the top and extending along the edge thereof, said rail being formed from a strip of pressed metal and bent longitudinally to form spaced inner and outer walls, a connecting top and a base flange extending inwardly from the lower edge of the front wall and terminating in spaced relation to said inner wall, and a facing strip having

an inwardly extending base flange connected to the base flange of the rail and having its upper portion connected to the bead to hold the latter in position, said base flange of said facing strip extending inwardly beyond the base flange of the rail to form a finger guard.

5. An edge construction for furniture tops including the combination with a top section, of a bead extending along the edge thereof, a supporting rail disposed under the top and extending along the edge thereof, said rail being formed from a strip of pressed metal and bent longitudinally to form spaced inner and outer walls, a connecting top and a base flange extending inwardly from the lower edge of the front wall, said connecting top being depressed along its outer edge portion to form a resultant pocket located under the edge portion of the top, said bead having an inwardly extending flange disposed in said pocket, the inner edge of said bead flange terminating in a downwardly extending locking flange, and a facing strip connected to said rail and having an inwardly extending flange disposed within said pocket between the bead flange and the depressed portion of the rail and cooperating with the locking flange of the bead to retain the latter in position.

6. An edge construction for furniture tops including the combination with a top section, of a bead extending along the edge thereof, a support-rail disposed under the top and extending along the edge thereof, said rail being formed from a strip of pressed metal and bent longitudinally to form spaced inner and outer walls, a connecting top and a base flange extending inwardly from the lower edge of the front wall, said connecting top being depressed along its outer edge portion to form a resultant pocket located under the edge portion of the top, said bead having an inwardly extending flange disposed in said pocket, the inner edge of said bead flange terminating in a downwardly extending locking flange, and a facing strip formed of pressed metal and bent longitudinally to form a vertical wall and upper and lower inwardly extending flanges, the lower flange being connected to the rail and the upper flange fitted within the pocket located between the rail and the desk top and cooperating with the downwardly extending bead flange to retain the bead in position.

7. An edge construction for furniture tops comprising a top, a supporting member carried by the underside of the top and formed to provide a continuous pocket along the underside of the edge of the top, a bead strip comprising a body having offset flanges one of which is adapted to form the edge of the top and the other of which is adapted to enter said pocket, and a facing strip cooperating with said supporting member to lock

the bead strip in the pocket and form the outer lower facing of the table edge.

8. An edge construction for furniture tops comprising a top, a supporting rail located at the underside of the top and having a portion thereof spaced to provide a pocket opening outwardly at the edge of the underside of the table top, a bead strip adapted to be fitted in said pocket, and a facing strip of substantially channel shaped cross section having one of its flanges adapted to enter said pocket to hold the bead strip in said pocket.

9. An edge construction for furniture tops consisting of the top, a supporting rail arranged beneath the top and having a portion thereof spaced from the underside of the top to provide a pocket opening at the outer underside of the top, a bead strip comprising a body having oppositely offset flanges one of which is adapted to embrace the edge of the table top and the other of which enters said pocket, and a facing strip of substantially channel shaped cross section having one of its flanges adapted to also enter the pocket thereby to hold the facing strip in place and means for securing the other flange to said rail.

10. An edge construction for furniture tops comprising a top member, a supporting member carried by the underside of the top, a bead strip of angular cross-section located at the edge of the top and having an upright flange and a horizontal flange, and a facing strip adapted to be applied to said supporting member by movement in a plane parallel to the table top and engaging said bead strip to hold the same in position.

11. An edge construction for furniture tops, comprising a top member, a supporting member located at the underside of the top, separate bead and facing strip members, the former being of angular formation and having one of its flanges adapted to engage with a face of the top member, and the said facing strip being adapted to be applied to the supporting member by a movement in a plane parallel to the top member thereby to engage and hold the bead strip in position.

12. An edge construction for furniture tops including in combination, a top member and a covering therefor, a bead strip extending along the edges of the top member and covering and concealing the joint therebetween, a supporting rail carried by the underside of the top adjacent the edge thereof, and a facing strip having means for interlocking with the bead strip to hold it in place, and means for connecting the facing strip with the said rail.

13. An edge construction for furniture tops including in combination, a top member, a covering supported by said top member, a bead strip extending along and embracing the top member and the covering, a support-

ing member carried by the top member, a facing strip separate from said bead strip but adapted to engage the same to hold it in position, and means for connecting the facing strip with the supporting member. 25

14. An edge construction for furniture tops including in combination, a top member, a covering supported by said top member, a bead strip extending along and embracing the edges of the top member and the covering, a supporting member carried by the underside of the top member and spaced from the outer edge thereof, a facing strip separate from said bead strip but adapted to engage the same to hold it in position, and means on said facing strip for connecting it with the supporting member. 30

15. An edge construction for furniture tops including in combination with a top section and a covering therefor, of a bead strip adapted to extend along the edge of the top and the covering, a supporting rail disposed under the top and adjacent the edge thereof, a facing strip having an offset flange adapted to engage with the bead strip and means for fastening the facing strip to the rail. 35

16. An edge construction for furniture tops including in combination with a top section and a covering therefor, of a bead strip extending along the outer edges of the top section and covering to conceal the joint there-between; a supporting rail carried by the underside of the top section adjacent an edge thereof and having an angularly disposed bottom flange, and a facing strip having offset flanges at the top and bottom edges thereof, the flange at the top engaging the bead strip and the flange at the bottom extending rearwardly toward the angular flange of the supporting rail, and means for fastening the said latter flanges together. 40

In testimony whereof we hereunto affix our signatures.

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