

Nov. 1, 1949

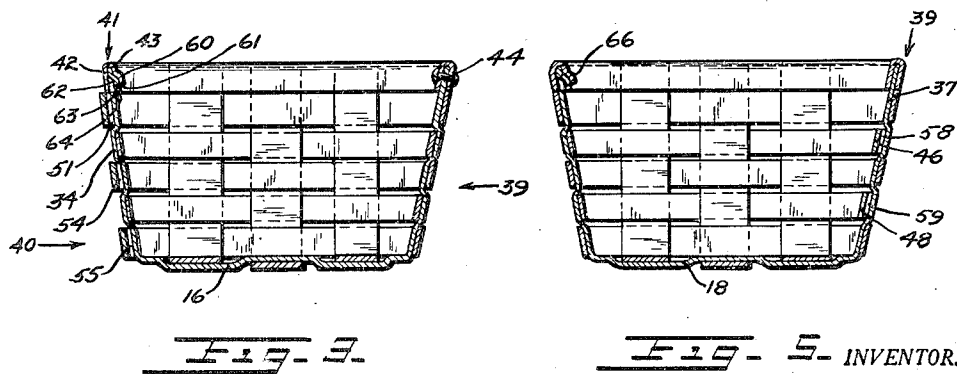
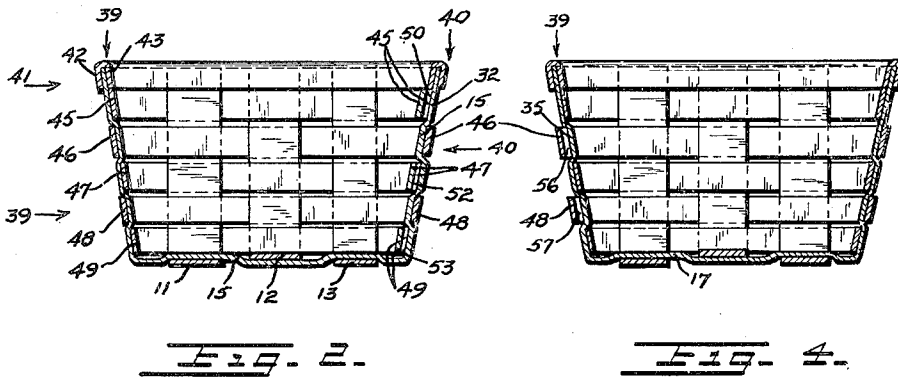
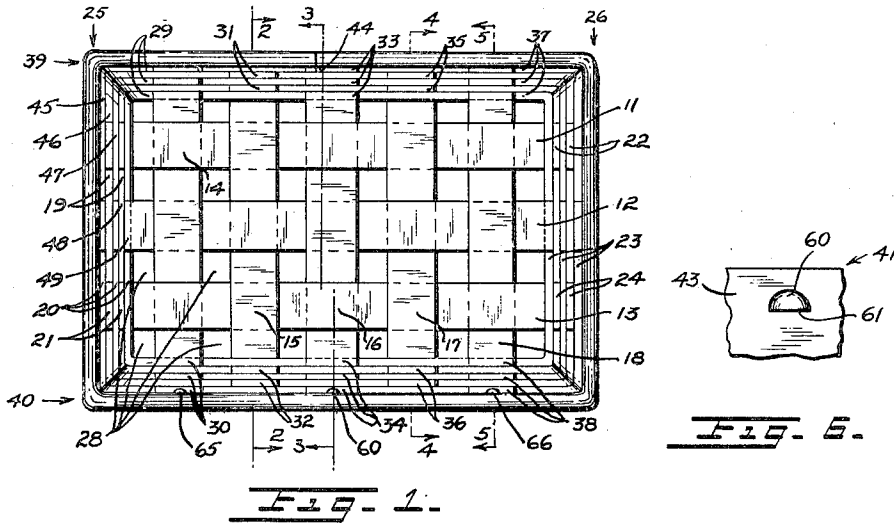
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2,486,838

WOVEN METAL BASKET

Filed Jan. 15, 1947

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

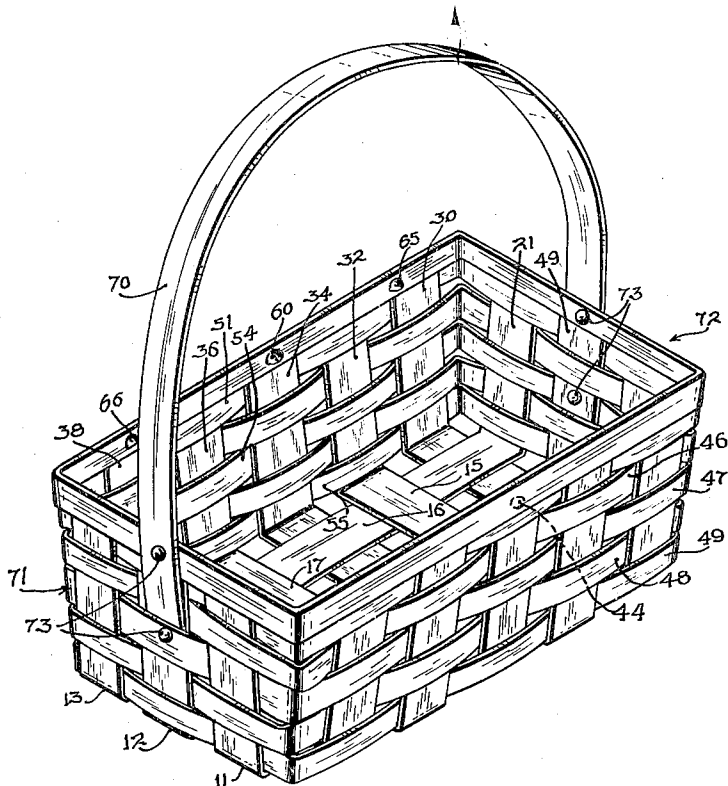


Fig. 7.

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WOVEN METAL BASKET

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1 Claim. (Cl. 220—73)

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The present invention concerns a woven metal basket and refers more particularly to a basket of metal strips woven and fastened together in novel manner.

An object of the present invention is the provision of a basket of novel appearance.

A further object is that the basket shall be easy to keep clean.

A still further object is that the basket shall be substantially free of protruding ends of the metal strips of which it is fabricated.

Another object is the provision of novel means for fastening the basket together.

Still another object is the provision of a pattern of basket weaving possessing the maximum strength.

In accomplishing the objects of the present invention the basket is woven of longitudinal and lateral metal strips, both of which are continued from the basket bottom up, the four sides thereof, being woven with perimetral strips which extend horizontally each in a separate substantially vertical plane to form the basket sides. A binding strip of substantially inverted U cross section engages the ends of the upturned longitudinal and lateral strips, its own two ends being joined together and to one of the upturned ends by a rivet. Said binding strip is further fastened to at least one of the other upturned ends at a point substantially perimetally opposite the rivet, said fastening being preferably by means of the interengagement of specially created surfaces formed on the binding strip and the upturned member, both of which members are somewhat resilient.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claim in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a top elevational view of the basket, showing the interior thereof.

Fig. 2 is a section on the line 2—2 of Fig. 1.

Fig. 3 is a section on the line 3—3 of Fig. 1.

Fig. 4 is a section on the line 4—4 of Fig. 1.

Fig. 5 is a section on the line 5—5 of Fig. 1.

Fig. 6 is a front elevational view of the quarter spherical button formed on the binding strip as a fastening means, the binding strip being shown fragmentarily.

Fig. 7 is a perspective view showing a further modified form of the invention.

Referring now in detail to the drawings, the

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basket 10 comprises the longitudinal metal strips 11, 12 and 13 and lateral metal strips 14, 15, 16, 17 and 18. All the strips being preferably of light, corrosion resisting material such as aluminum or magnesium. Strips 11, 12 and 13 have their respective end portions 19, 20, 21, 22, 23 and 24 upturned to constitute portions of the end walls 25 and 26 of basket 10, the main or longitudinally central portions of the strips 11 to 18 inclusive being woven to form the floor portion 27 of basket 10, defining spaces 28 having substantial length and breadth in the plane of floor 27. The lateral strips 14 to 18 inclusive have their end portions 29 to 33 inclusive upturned to constitute portions of the side wall portions 39 and 40 of basket 10.

A binding strip 41 of substantially inverted U cross section engages all the upturned end portions of the longitudinal and lateral strips, strip 41 extending perimetally of basket 10 and comprising the outer portion 42 extending outside the upturned portions and the inner portion 43 extending inside the upturned portions extending exteriorly and interiorly respectively of the upturned end portions 19 to 24 and 29 to 33, strip 41 being generally rectangular in its extension along the sides and ends of basket 10. The two ends of strip 41 are joined together and to side wall portion 39 longitudinally midway thereof by rivet 44 which extends through strip 41 and the free end of portions 33 of lateral strip 16, as shown in Figs. 1 and 3.

Five perimetally extending metal strips 45 to 49 inclusive combine with the upturned end portions of the longitudinal and lateral strips to constitute the side walls 39 and 40 and end walls 25 and 26 of basket 10, being interwoven with said upturned portions. Strip 45 has one end portion 50 concealed and protected between its main portion and portion 32 of strip 15, the other end portion 51 being concealed and protected between the main portion of strips 45 and portion 34 of strip 16, the latter being adjacent strip 15 as illustrated. Similarly, end portion 52 of strip 47 and end portion 53 of strip 49 are concealed and protected between the main portions of their respective strips and portion 32 of strip 15, while the other end portions 54 and 55 of strips 47 and 49 are concealed and protected between the main portions of the strips 47 and 49 and portion 34 of strip 16. It will be noted that all the end portions 50 through 55 are located in wall portion 40. Wall 40 further comprises portions of the perimetral strips 46 and 48 which are continuous throughout the length of wall 40, thereby preventing wall 40 from coming undone by reason

of the longitudinal separation of the free ends 50 through 55.

The free end portions 56 and 57 of strips 46 and 48 are located in wall 39 and concealed and protected between the main portions of their respective strips and portion 35 of strip 17. The opposite end portions 58 and 59 of strips 46 and 48 are protected and concealed between the main portions of their respective strips and portion 37 of strip 18, also in wall 39. Wall 39 is provided with longitudinal rigidity by continuous portions of the strips 45, 47 and 49, thus preventing the free end portions 56, 57, 58 and 59 from coming undone by reason of longitudinal separation.

Opposite rivet 44, the inner portion 43 of strip 41 is cut and stamped or otherwise formed to produce the substantially semi-circular button 60 extending inwardly of basket 10 from portion 43 and comprising the flat under surface 61. Portion 34 of strip 16 is correspondingly formed with the semi-circular button 62 having the flat under surface 63. It being understood that the strips are somewhat resilient, binding strip 41 may be pressed downwardly over button 62, and upon reaching its lowermost position, the lower portion 64 of inner portion 43 will snap under surface 63 of portion 34 to lock binding strip 41 in place. This method of fastening is cheaper than riveting. Similar buttons 65 and 66 on binding strip 41 may be provided for interengagement with buttons on the upturned portions of other longitudinal or lateral strips if so desired.

In Fig. 7 a handle 70 is shown to be secured to the end walls 71 and 72 by rivets 73 or the like. In other respects this form of the invention is similar to the previous form and corresponding parts may be recognized by similar reference numerals.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claim.

Having thus described my invention, what I

claim as new, and desire to secure by United States Letters Patent, is:

In a basket having integral bottom and side walls formed of interwoven crossing flat metal strips with certain of the strips forming the side walls being extended vertically, a strip of resilient material and of inverted U-shape engaged over the top ends of the vertically extended strips of said side walls, said strip having its free ends overlapped upon the top end of one of the flat vertically extended strips, a rivet engaged through the overlapped free ends of said strip and the said one top end securing together said overlapped ends of said strip and said one top end, and interengaging means securing a diametrically opposite portion of said strip to the top end of a diametrically opposite vertically extended flat strip, said latter-mentioned securing means comprising a semi-circular button stamped from one wall of said inverted U-shaped strip of material, said button having a straight bottom edge, and a semi-circular button having a straight bottom edge stamped from the top end of said diametrically opposite vertically extended strip and engaging said button of said strip.

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