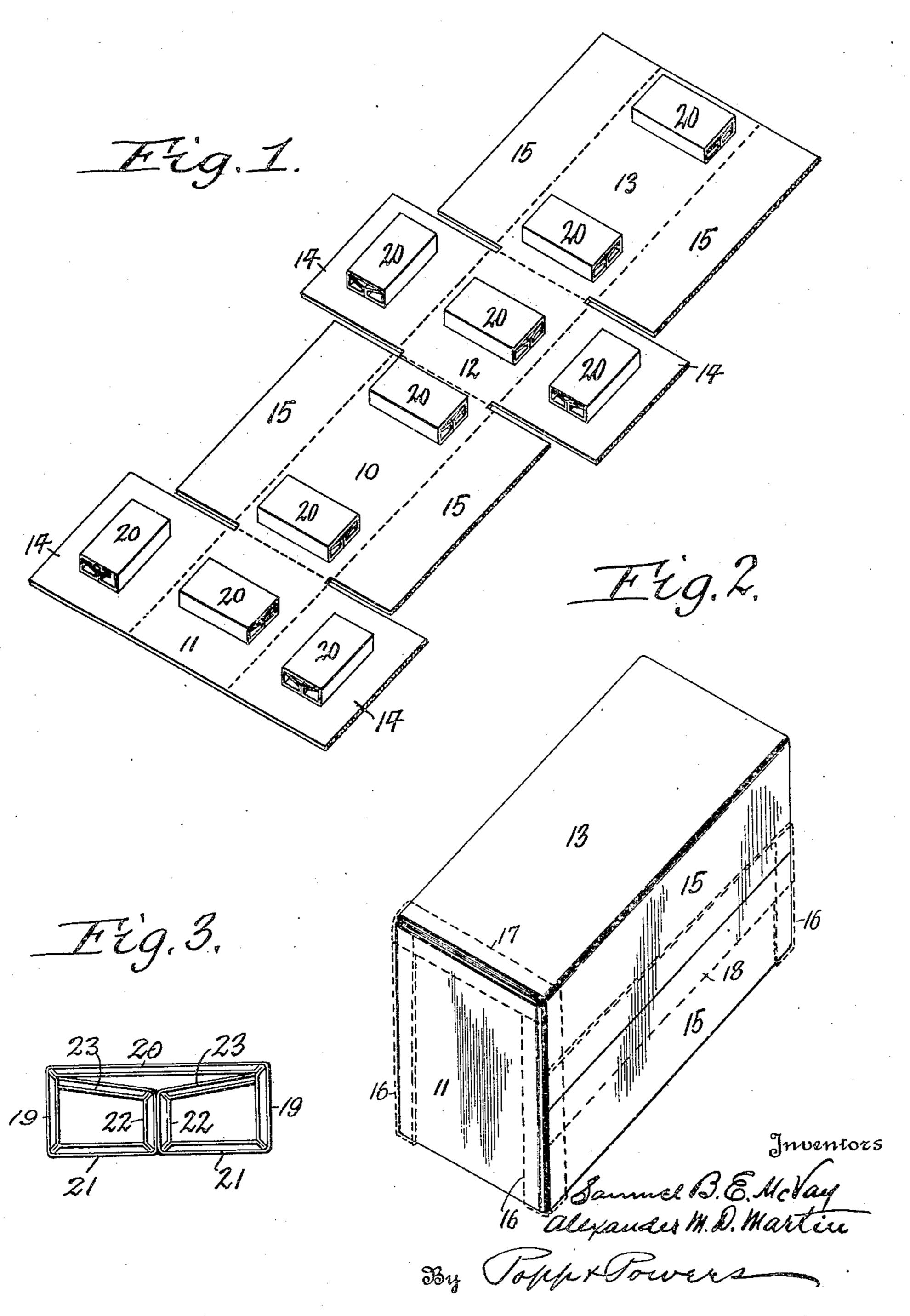
CONTAINER

Filed April 11, 1929

2 Sheets-Sheet 1



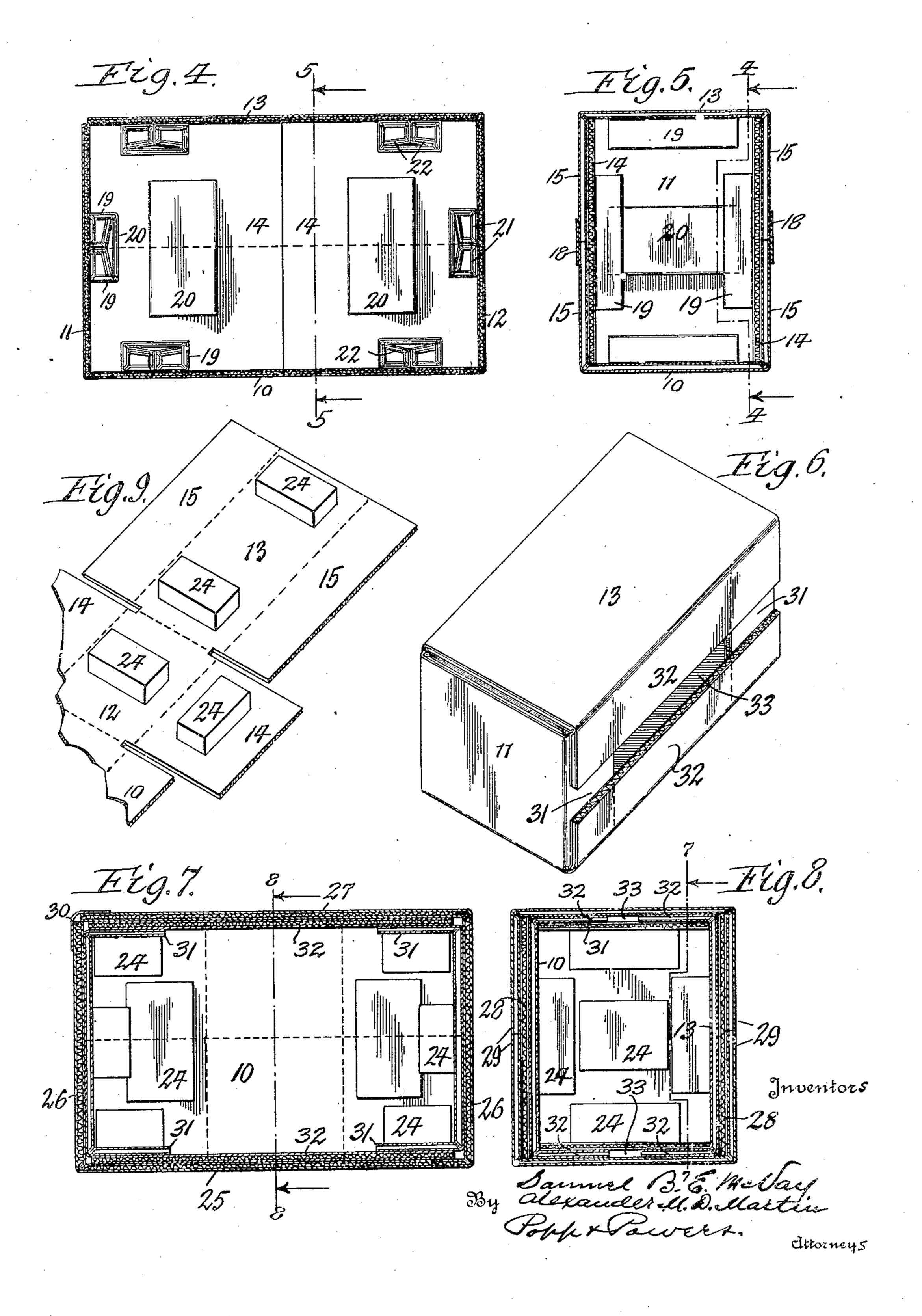
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UNITED STATES PATENT OFFICE

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CONTAINER

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This invention relates to a container which is more particularly intended for packing articles such as radio apparatus furniture, and other articles so that the same may be shipped and stored with greater safety, and it is the object of this invention to provide a container for this purpose which is composed of a minimum number of parts, which permits of easily and expeditiously packing articles for shipment or storage, and which affords the maximum protection against injury for the article packed.

In the accompanying drawings:

Fig 1 is a perspective view of the unfolded prepared sheet forming the body of one form of the container embodying our invention together with the retainers on the inner sides of the same holding the article packed therein against displacement.

Fig. 2 is a similar view showing the same

in a folded condition.

Fig. 3 is an end view on an enlarged scale, of one of the retainers whereby the article is held in place within the body of the container.

Fig. 4 is a longitudinal section of the con-

tainer taken on line 4—4, Fig. 5.

Fig. 5 is a transverse section taken on line

5—5, Fig. 4.

Fig. 6 is a perspective view showing this invention embodied in a container adapted to be enclosed in a separate casing.

Fig. 7 is a longitudinal section of the container shown in Fig. 6 with an enclosing casing taken on line 6—6, Fig. 8.

Fig. 8 is a transverse section, taken on line

8—8, Fig. 7.

Fig. 9 is a fragmentary perspective view of a prepared sheet for use in forming a container provided with a modified form of retainer.

In the following description similar characters of reference indicate like parts in the

several figures of the drawings.

Referring to Figures 1-5, the numeral 10 represents the bottom or lower plate of the container, 11, 12 the end walls bent upwardly from opposite transverse ends of the bottom and 13 the top or upper plate bent downwardly from the upper transverse edge of one

of the end walls and extending to the upper transverse edge of the other end wall.

Each of the end walls is provided at its opposite vertical edges with two inner side wall flaps or wings 14, 14 which are bent horizontally and longitudinally inward so as to meet the two similar side flaps 14, 14 of the other end wall.

At the opposite longitudinal edges of the bottom and top plates the same are each provided with two outer side wall flaps or wings 15, 15 the flaps of each of these plates being bent inward along the longitudinal edges of the respective plate so as to meet the corresponding outer side wall flaps of the other plate.

The several bottom and top plates, end walls and flaps are formed as an integral unit from a single sheet of material such as corrugated paper board or the like so that when the same is completely unfolded all these members are arranged in the same plane as shown in Fig. 1.

Preparatory to packing the merchandise within the body of the container the same is folded into the position shown in Figs. 2, 4 and 5 with the lower plate and end walls thereof secured together at the corners by means of adhesive tape 16, or otherwise, but with the top plate left loose to permit of in- 80 troducing the merchandise into the container. After the merchandise has been placed within the container the top plate is closed so as to meet the upper edge of the respective end wall and the outer side wall flaps engage the 85 outer sides of the inner side wall flaps and meet the outer side wall flaps of the lower plate after which these members may be united so as to completely close the carton by means of strips 17, 18 of adhesive tape or 90 other suitable fastening means.

A container of this construction requires a minimum of material and provides walls of double or two ply thickness at the longitudinal sides thereof so as to reduce the possibility of damaging the goods placed within the container.

For the purpose of securely holding the merchandise against displacement within the container and prevent injury thereof 100

are provided consisting preferably of a plu- or connected with each other by adhesive rality of retainers having the form of blocks tapes 30 at the joints after receiving the which are secured to the inner side of the inner container enclosing the goods to be container walls and so placed as to fit the shipped.

shape of the particular article which is be
When employing such outer casing the ing packed and engage the sides of said ar- inner container may have its inner side wall ticle and thereby prevent the article from flaps 31 made short so that the inner side shifting about within the container. Each wall flaps of the end walls do not meet and of these retainers may be variously conthe outer side wall flaps 32 of the upper and structed, that shown in Figs. 1, 3 and 4 belower plates may also be shorter so that they ing preferred and constructed as follows: do not meet, thereby reducing the amount of

walls, 20 a long, outer face plate or top con- covering the article which is being packed necting the upper ends of the end walls, 21 because the outer casing extends across the 80 two short base plates or sections extending opening 33 formed on each side of the inner inwardly from the lower ends of the end container between the respective flaps. walls and meeting at their inner ends, 22 We claim as our invention: two inner walls arranged between the outer 1. A spacer for containers consisting of a 20 end walls and parallel therewith and extend- sheet of material which is folded to form two 85 ing upwardly from the inner ends of the outer end walls, a face section connecting base or bottom plate sections 21, and 23 two the upper ends of the end walls, two base braces extending from the upper ends of sections extending inwardly toward each the inner walls in opposite directions to the other from the lower ends of the end walls, 25 inner corners between the top plate 20 and two inner walls extending transversely in- 90

outer end walls and the braces incline in op- inner walls to the corners between said face 30 posite directions from the upper ends of the section and said outer end walls.

the base sections of the retainers to the walls face section. of the container by cement, glue or other ad- In testimony whereof we hereby affix our hesive.

If desired the retainers may be construct-50 ed of blocks of material which is soft and provides a cushion bearing against the goods packed in the container, such blocks being shown at 24 in Figs. 7, 8 and 9, and may consist of balsa wood or similar solid but slight-55 ly yielding material.

When the character of the goods or the conditions under which the same are shipped require a greater amount of protection against injury the container may be further 60 enclosed in an additional outer casing constructed from corrugated paper, card board or the like the form of which is in all respects like the container shown in Figs. 1, 2, 4 and 5, having a bottom 25, two end walls 26, 26, 55 a top 27, two inner side wall flaps 28, and

during shipment retaining or holding means two outer side wall flaps 29 which are sealed

The numeral 19 represents two outer end material which is used and still completely

the end walls, as best shown in Fig. 3. ward from the inner ends of said base sec-In the preferred construction the inner tions, and two braces extending longitudiwalls are of less height or shorter than the nally outward from the inner ends of said

inner walls to the corners between the outer 2. A spacer for containers consisting of a walls and the top plate, thereby leaving the sheet of material which is folded to form two central part of the top plate free to be de- outer end walls, a face section connecting flected inwardly and thus provide a cushion the upper ends of the end walls, two base 35 support for the goods within the container sections extending inwardly toward each 100 which are engaged by the top plate of the other from the lower ends of the end walls, retainer. These several members of the re- two inner walls extending transversely intainer are preferably constructed of a single ward from the inner ends of said base secstrip or sheet of corrugated paper board tions, and two braces extending longitudiwhich is folded inwardly from opposite ends nally outward from the inner ends of said 105 thereof into the above described form. inner walls to the corners between said face Any approved means may be employed for section and said outer end walls, said inner securing the retainers to the inner side of walls being of less height than said outer the walls of the container body but it is walls and said braces being inclined and preferable to accomplish this by securing out of contact with the central part of said 110

signatures.

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