

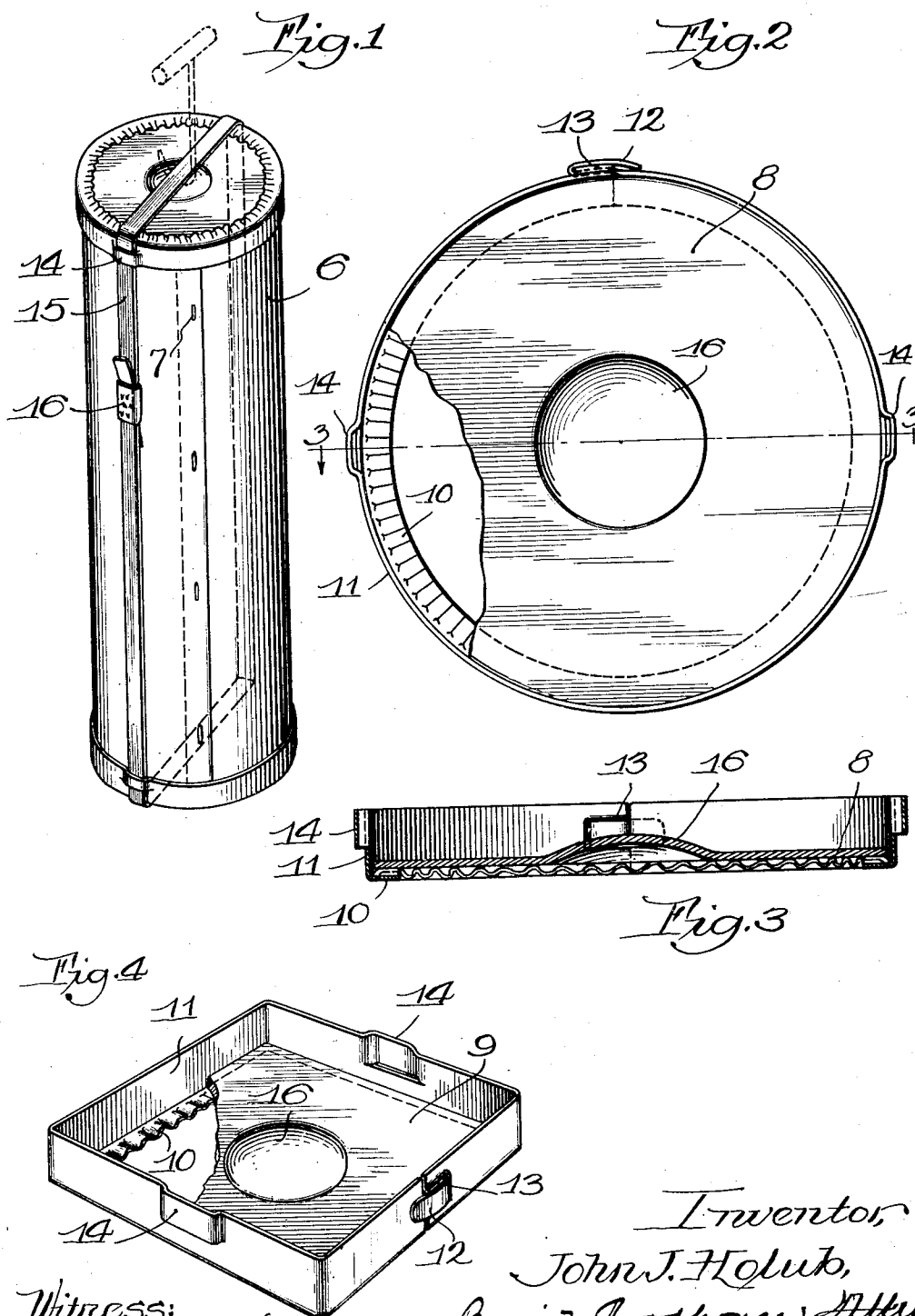
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PACKAGE FOR SHIPPING

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PACKAGE FOR SHIPPING

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My present invention relates to improvements in packages for shipping commodities of divers kinds. It was originally designed for shipping nests of sections of stove pipe, but the principles of its construction are equally applicable to the provision of rectangular as well as cylindrical packages and for containing a variety of other articles as well as nests of stove pipe.

Nests of stove pipe have heretofore been prepared for shipment by burlapping and then wrapping, and in a great many instances in addition crating. This is expensive, takes up considerable space and when the package is completed requires both hands to handle the package. Corrugated paper board containers are now very largely used for packing articles for shipment and are deservedly popular on account of their lightness of weight. However, such paper board containers involve the expense of fabrication, and, when of any size, require two hands for handling them.

As will hereafter be seen, my container involves the provision of a body portion, a top and a bottom, together with top and bottom edge bands and a securing strap, which parts are assembled first and finally when the package is prepared for shipment and needs no other securing means than the strap. By depressing the central portions of the top and bottom so that the fingers or a hook may be inserted under the strap, the package may be much more readily handled with one than two hands.

I have secured the above mentioned results by means of the structure illustrated in the accompanying drawings in which—

Fig. 1 is a perspective of a complete cylindrical package embodying my invention,

Fig. 2 is an inside view of a top or bottom and protecting edge band, a portion of the top or bottom being broken away to more completely disclose the protecting band.

Fig. 3 is a central transverse section on line 3—3 of Fig. 2.

Fig. 4 is a perspective of a top or bottom and edge band for a rectangular instead of a cylindrical package.

Similar reference characters are employed

to designate similar parts throughout the several views.

The body portion of my package consists of a rectangular blank 6 suitably proportioned so that when rounded into a cylinder or folded to constitute a prism the longitudinal edges will lap a suitable distance, which lapping edges may be secured by staples 7, or in any other way, or if the material employed is of sufficient stiffness requires no securing means whatever. If the package is to be cylindrical, circular disks 8 are provided, which will register with the top and bottom of the body portion. If the package is to be of rectangular form, square or other rectangular top and bottom pieces 9, as shown in Fig. 4, are provided. The top and bottom securing and edge protecting members are formed from a strip of sheet metal, such as galvanized iron, which is put through the requisite forming wheels to turn and corrugate thereon a lateral flange 10 from a side portion 11. Upon one end of the side portion 11 is provided a tongue 12 and upon the opposite end of the side portion 11 is pressed out and partially detached from the side portion 11 a staple or loop 13 under which the tongue 12 passes and back over which the tongue 12 is bent. Also, in diametrically opposite portions of the side 11 are provided similar pressed out staples or loops 14, positioned, however, at right angles to the loop 13.

After the top and bottom and top and bottom edge protecting pieces have been assembled with the body portion a metal strap or band 15 is passed around the package through each one of the four loops or staples 14 and secured, as at 16, by any of the several means which have already been provided for pulling and securing such tie bands in position.

Before assembling the tops in the package and while blanking out these tops I provide by means of suitable dies a depressed area 16 centrally of each top and bottom. This depressed central area 16 occurs directly under the path of the tie band across the bottom and top of the package and permits the fingers, or other instrument, to be inserted beneath

the tie band for lifting and otherwise handling the package.

The most vulnerable portion of shipping packages are their top and bottom edges and with my package these portions are rendered strongest by the presence of the right angle holding and protecting bands at these places. My package requires a minimum of fabrication and assembly. By proper selection of materials it can be made of any desired strength. It is readily opened by snipping the tie band and all portions thereof except the tie band may be repeatedly employed.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. A shipping container comprising a body portion, end portions with centrally depressed areas, right angle members provided with oppositely located loops covering the juncture between and engaging said body portion and said top and said body portion and said bottom, a tie strap passing longitudinally around said package and through said loops and means for securing the ends of said tie strap together.

2. A package comprising a body and top and bottom portions, annuluses of right angle section the horizontal elements whereof are corrugated and the vertical elements whereof are provided with diametrically positioned raised loops assembled with said body portion and with said tops and bottoms to cover the juncture of said tops and bottoms with said body portion and a tie strap passing through said loops and encircling said package.

3. In a shipping package top and bottom edge holding and protecting members comprising bands of right angle section the horizontal flange whereof is corrugated, means for securing the ends of each band together and diametrically oppositely positioned loops provided upon each of said bands and a tie strap passing through said loops and encircling said package.

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