

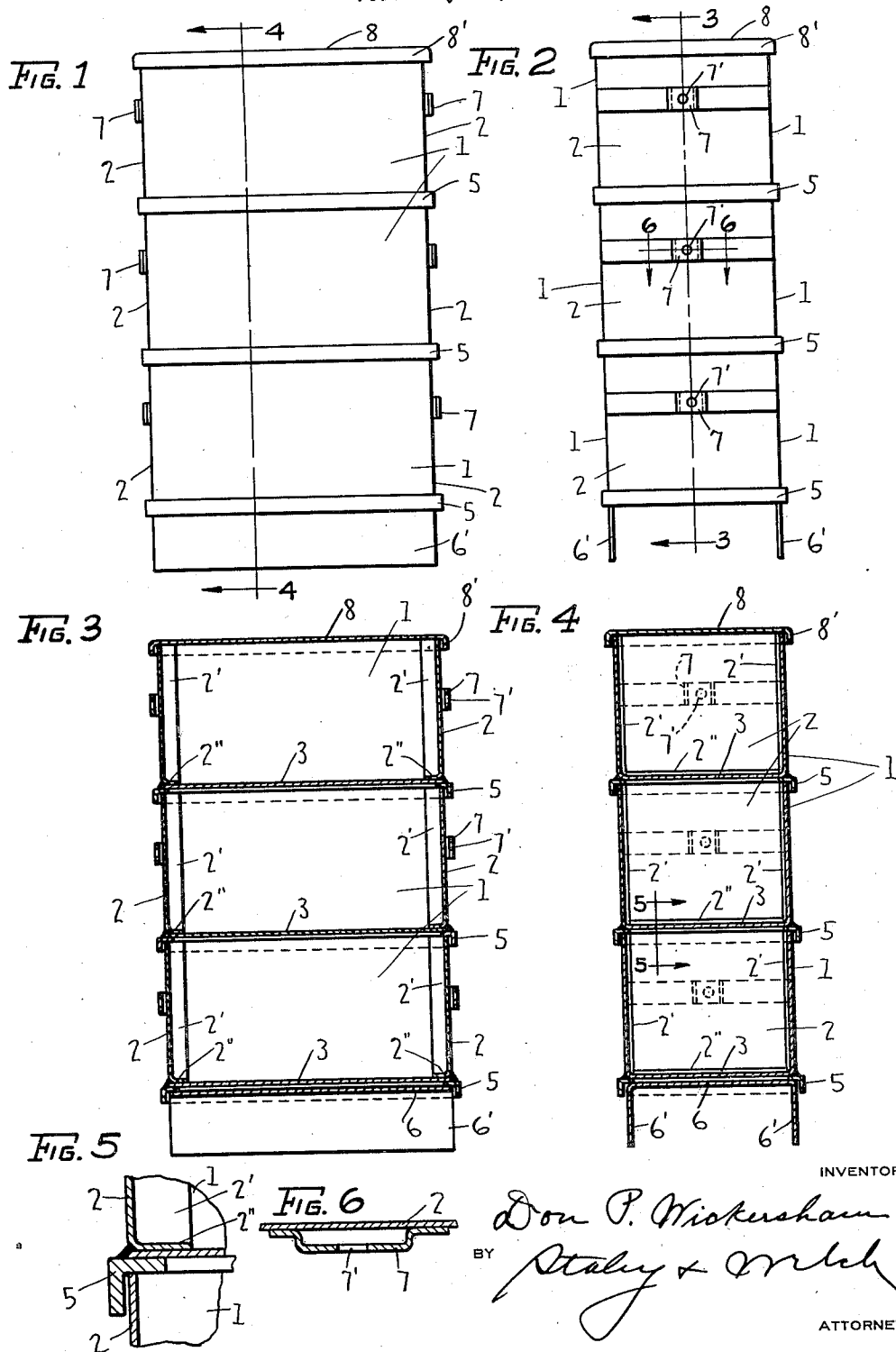
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SHIPPING BOX

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SHIPPING BOX

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1 Claim. (Cl. 220—97)

This invention relates to improvements in shipping containers, the particular container shown in the drawing being one especially adapted for shipping packing which has been removed from the journal boxes of railway cars, although not limited to that particular use.

One of the objects of my invention is to provide a container of the character described in the form of a rectangular-shaped box so constructed as to fit upon a standard rectangular-shaped skid and be retained from lateral movement with relation to the skid.

A further object of the invention is to provide a shipping box of this character which will overlap or nest to a degree with a similar box whereby a stack of such boxes may be placed in a box car with little danger of any of the boxes becoming displaced during transportation.

A further object of the invention is to provide in a shipping container or box of this character which when stacked with other similar boxes will form the top or lid of the box immediately below it.

A further object of the invention is to provide a shipping box so constructed which when stacked in vertical tiers with similar boxes will provide a waterproof joint between the boxes or between the lowermost box and the skid upon which it is mounted.

In the accompanying drawing:

Fig. 1 is a side elevation of a stack of shipping boxes embodying my improvements.

Fig. 2 is an end elevation of the same.

Fig. 3 is a section on the line 3—3 of Fig. 2.

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

Fig. 5 is an enlarged section on the line 5—5 of Fig. 4.

Fig. 6 is an enlarged section on the line 6—6 of Fig. 2.

Each box is of rectangular form and has sides 1, ends 2 and a bottom 3, the top being open. Each of the ends 2 of the box has its side edges bent at right-angles thereto as indicated at 2' and its bottom edge likewise bent as indicated at 2'', the sides 1 being secured to the outer surfaces of the flanges 2' and the bottom 3 secured to the outer surfaces of the flanges 2'', preferably by spot welding; the joints being further welded as indicated at 3 to make them water-proof. Secured to the under surface of the bottom adjacent all of its edges are members 5, preferably of angle iron, these members 5 having their horizontal legs secured to the bottom 3 preferably by spot welding, with their vertical legs forming down-hanging flanges; the dimensions of the down-hanging portions being somewhat greater than the dimensions of the box so that when the boxes are stacked in tiers the flanges of any box will overlap the box immediately beneath to not only retain the boxes in position with relation to

each other, but also to provide hoods or sheds for water in the event the boxes should be exposed to the weather.

There is shown at 6 a skid of a standard rectangular form, the side edges of which are down-turned to form legs as indicated at 6', and the down-turned flanges for the members 5 are also of such dimensions as to fit and overlap the edges of the skid to retain the box placed thereon in position.

The ends of each box are provided with loop-shaped handle members 7 suitably secured thereto preferably by spot welding, each of which has an opening 7' to receive the hooks of a hoist whereby the boxes may be readily handled.

As before stated, each box is open at its upper end and in order to close the uppermost box of a stack there is provided a lid 8 having down-turned edges 8' which overlap the box to not only retain the lid in position but also form a water shed.

The boxes are preferably formed of sheet metal and each box as to length and breadth is the same as the standard size skid so that the boxes may be readily used in connection with such a skid; these skids being so constructed that an elevating truck may be placed therebeneath to raise the load. When the boxes are stacked in tiers, each box forms a cover for the box immediately beneath it, thus avoiding the necessity of providing covers for the boxes excepting for the uppermost one. The arrangement also provides for interlocking the lowermost box with the skid and all the boxes with each other to prevent side-wise or lateral shifting of the boxes and also provides water sheds for the spaces between boxes to prevent the entrance of water thereto, it being essential to keep water from the contents, particularly when the contents is journal box packing.

Having thus described my invention, I claim:
In a shipping container, an open-top box-like structure having the same top and bottom dimensions, the lower edges of at least two of the sides being bent inwardly to form flanges, the bottom of said structure being secured to said flanges, and a plurality of angle-shaped members having their horizontal legs secured to said bottom and their vertical legs offset slightly with relation to the side walls of the box so as to overlap and snugly fit the outer surfaces of the upper portions of the walls of a similarly formed box upon which the first box is positioned.

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