Oct. 20, 1959 F. J. GALASSI 2,909,287

ASSEMBLY OF RACKS TO HOLD ARTICLES

Filed Jan. 20, 1958 2 Sheets-Sheet 1

Fig. 1.

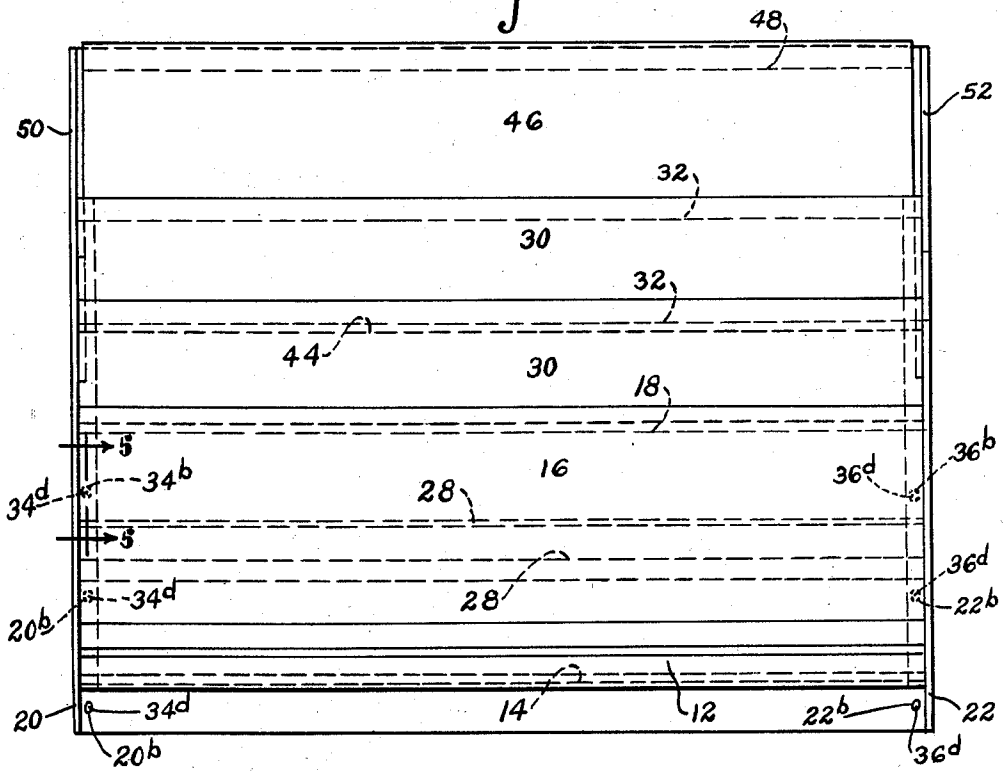
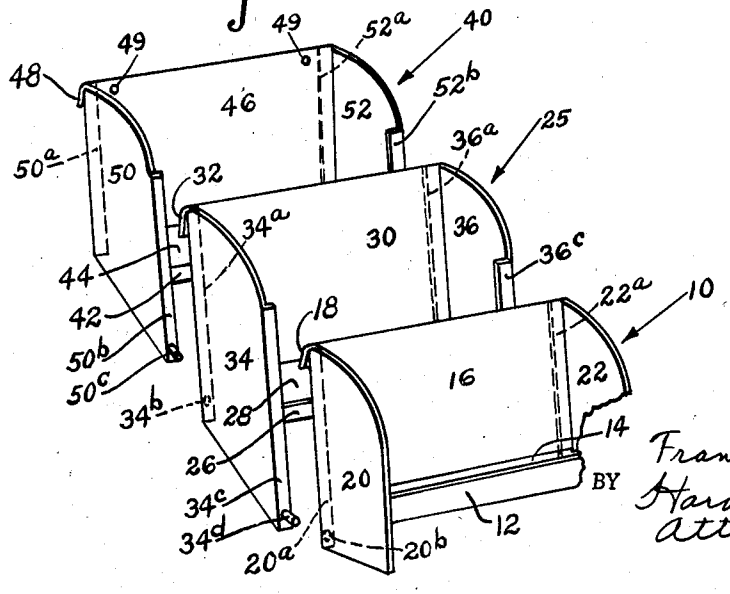


Fig. 3.



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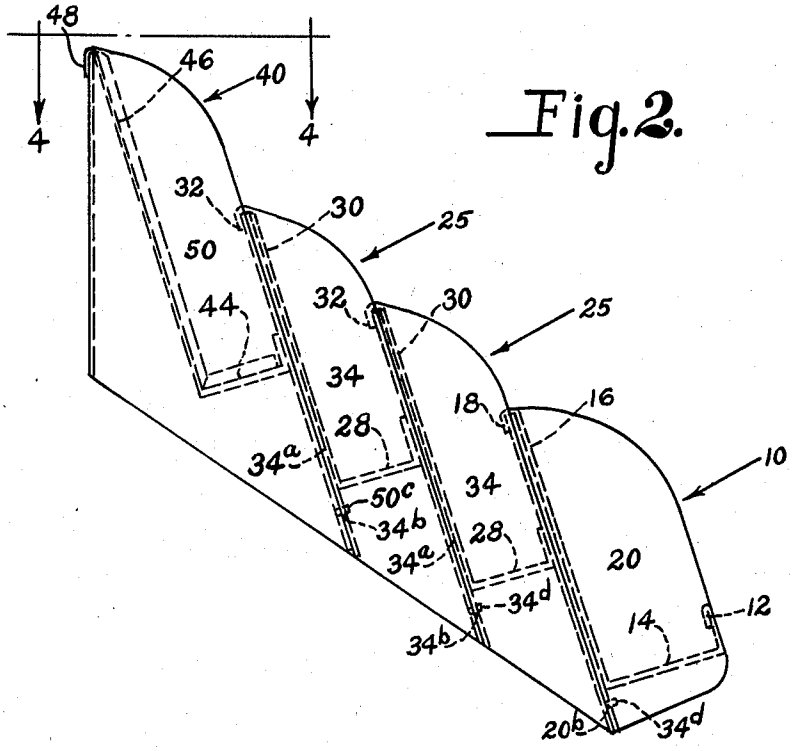


Fig. 2.

Fig. 5.

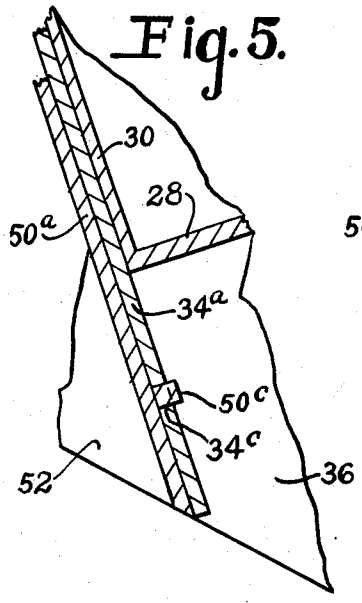
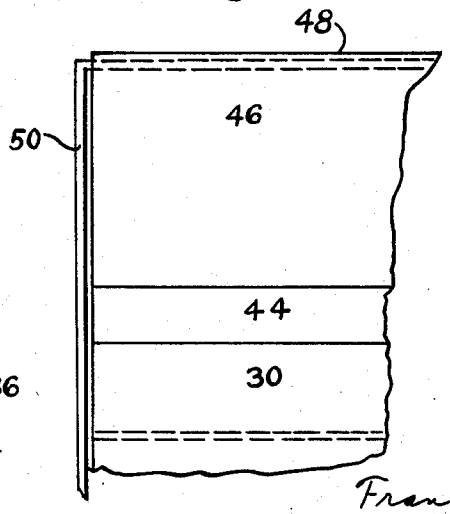


Fig. 4.



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ASSEMBLY OF RACKS TO HOLD ARTICLES

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Application January 20, 1958, Serial No. 709,847

7 Claims. (Cl. 211—55)

This invention relates to an assembly of racks to hold articles, such as magazines and books, for instance.

One object of my invention is to provide racks to hold articles which racks are so constructed that one can be attached to the other to thereby form an assembly which is practically self-supporting.

Another object is to provide racks for such an assembly which can quickly be erected by an unskilled person, added to when more are needed, and likewise can quickly be disassembled.

A further object is to provide such an assembly composed of racks that are relatively simple and inexpensive to manufacture, and that occupy the minimum amount of space.

The foregoing and other objects which will appear as the nature of the invention is better understood, may be accomplished by a construction combination and arrangement of parts such as is disclosed by the drawings. The nature of the invention is such as to render it susceptible to various changes and modifications, and therefore, I am not to be limited to the construction disclosed by the drawings nor to the particular parts described in the specification; but am entitled to all such changes therefrom as fall within the scope of my claims.

In the drawings:

Fig. 1 is a front elevational view of an assembly of my racks.

Fig. 2 is a side elevational view of an assembly of said racks.

Fig. 3 is a perspective view of three racks separate from each other; but in a position ready for assembly.

Fig. 4 is a fragmentary top plan view of a said assembly.

Fig. 5 is an enlarged, sectional view taken on the line 5—5 of Fig. 1.

As illustrated, my assembly has a front rack **10** having a retainer front **12**, shown beaded, and extending upwardly in position of use and which is relatively short. It also has a bottom **14** extending rearwardly from said front, and a back **16** that extends from said bottom upwardly, being bent over rearwardly at the top edge to provide a downwardly extending, attaching flange **18**, spaced slightly from the portion of said back **16** opposite thereto.

Said front rack **10** has two sides **20** and **22**, preferably made separately from, and welded to, said back **16**, and extending lower than said bottom **14**. Said side **20** has an inwardly turned rear flange **20***a* overlying and welded to, a portion of said back and extending lower than the latter. In the lower portion of this flange **20***a*, a hole **20***b* is provided. Said side **22** likewise has a similar, inwardly turned, rear flange **22***a*, welded to said back, in which a hole **22***b* is provided.

In my assembly there will usually be one or more intermediate racks **25**, having a front **26**, a bottom **28** extending from the front, a back **30** extending from said botom. Said back has a rearwardly extending attaching flange **32** similar to said flange **18**. This intermediate

rack **25** has a left side **34** that extends below said bottom **28** having an inwardly turned rear flange **34***a* welded to said back **30** and which has a hole **34***b* therethrough at a point below said bottom **28**. This left side **34** also has a front supporting flange **34***c* extending inwardly from the lower part of which a pin **34***d* extends forwardly, being so positioned that it enters said hole **20***b* of said front rack **10** when the racks are assembled.

Said intermediate rack **25** also has a right side **36**, similar to said side **34**, having an inwardly turned rear flange **36***a* which has a hole **36***b* therethrough at a point below said bottom **28** which also extends through said back **30**. This right side **36** also has a front supporting flange **36***c*, similar to flange **34***c*, from the lower part of which a pin **36***d* extends forwardly and enters said hole **22***b* of said front rack **10** when the racks are assembled.

There is a rear or top rack **40** in the assembly, having a front **42**, a bottom **44** extending therefrom, and a back **46** which may have a rearwardly extending flange **48** that may fit over the top of a supporting wall, or partition, in a room, or other main support for my assembly. Said back **46** is also shown provided with two holes **49**, through which screws or other pin members may pass to thereby hold the assembly to a wall.

Said rear rack **40** has a left side **50** having an inwardly turned rear flange **50***a* which is attached, as by welding to said back **46**. This rear rack **40** also has an inwardly turned front supporting flange **50***b* from the lower portion of which a pin **50***c* extends and fits into a said hole **34***b* in an intermediate rack **25**. Said front flanges **50***b* and **52***b* receive a said back flange **32**.

Said rear rack **40** also has a right side **52** having an inwardly turned rear flange **52***a* similar to flange **50***a*; it also has an inwardly turned front supporting flange **52***b*, from the lower portion of which a pin **52***c* extends and fits into a said hole **36***b* in an intermediate rack **25**.

My racks may be made of sheet metal which may readily be bent to the shapes desired, hence are manufactured at a moderate expense. They may be added to by including as many intermediate racks as desired. If desired the racks may form part of the assembly of shelving such as is used in grocery stores. Also the racks may be set up as a separate, independent unit by providing well known shelving standards, not shown, at opposite sides of the assembly. Where only two racks are needed, the front and rear racks alone are used. Under some circumstances said pins, and the holes to receive them, need not be used, as when temporary assemblies are made.

What I claim is:

1. A plurality of racks constituting an assembly, comprising a rack embodying a front, bottom and back, said back having a rearwardly and downwardly extending, attaching flange at the top spaced from said back, and two sides each having an inwardly-turned rear flange overlying and attached to said back and extending lower than said bottom and each having a hole therethrough in said lower extending portion, and another rack embodying a front, bottom and back, and two sides, a pin extending forwardly from each said latter side and so positioned that said pins are adapted to enter said holes in said first-mentioned rack, each said latter two sides embodying an inwardly extending front supporting flange extending into said space between said attaching flange and said back of the first said rack.

2. A plurality of racks constituting an assembly, comprising a rack embodying a front, bottom and back, said back having a rearwardly and downwardly extending, attaching flange at the top spaced from said back, and two sides each having an inwardly-turned rear flange overlying and attached to said back, and another rack embodying a front, bottom and back, and two sides, each said latter two sides embodying an inwardly extending front

flange extending into said space between said attaching flange and said back of the first said rack.

3. A rack for use in an assembly of racks, said rack comprising a front, bottom and back, said back having a rearwardly and downwardly extending, attaching flange at the top spaced from said back, and two sides attached to said back and each having an inwardly extending front supporting flange at the front overlying said back, each said side also having an inwardly-turned rear flange overlying and attached to said back having a portion extending below said back and having a hole therethrough in said portion, said supporting front flanges each extending below said bottom and having a pin extending forwardly that is adapted to enter a said hole.

4. An assembly of racks, comprising a front rack embodying a front, bottom and back, said back having a rearwardly and downwardly extending, attaching flange at the top spaced from said back, and two sides, and comprising an intermediate rack embodying a front, bottom and back, said back having a rearwardly extending, attaching flange at the top spaced from said back, and two sides each having an inwardly extending front supporting flange extending into said space between said attaching flange and said back of said front rack, and comprising a rear rack embodying a front, bottom and back, and two sides each having an inwardly extending, front supporting flange extending into said space between said attaching flange and said back of said intermediate rack.

5. An assembly of racks, comprising a front rack embodying a front, bottom and back, said back having a rearwardly and downwardly extending, attaching flange at the top spaced from said back, and two sides each having an inwardly-turned, rear flange overlying and attached to said back, and comprising an intermediate rack embodying a front, bottom and back, said back having a rearwardly extending, attaching flange at the top spaced from said back, and two sides each having an inwardly turned, rear flange overlying and attached to said latter back, and each said latter two sides having an inwardly extending front supporting flange extending into said space between said attaching flange and said back of said front rack, and comprising a rear rack embodying a front, bottom and back and two sides, each said latter two sides having an inwardly turned, rear flange overlying and attached to said latter back, and each said latter two sides having an inwardly extending, front supporting flange extending into said space between said attaching flange and said back of said intermediate rack.

6. An assembly of racks, comprising a front rack embodying a front, bottom and back, said back having a rearwardly and downwardly extending, attaching flange at the top spaced from said back, and two sides each having an inwardly-turned, rear flange overlying and attached to said back and extending lower than said bottom and each having a hole therethrough in said lower extending portion, and comprising an intermediate rack embodying a front, bottom and back, said back having a rearwardly extending, attaching flange at the top spaced from said back, and two sides each having an inwardly

turned, rear flange overlying and attached to said latter back and extending lower than said bottom and each having a hole therethrough in said lower extending portion and each said latter two sides having an inwardly extending front supporting flange extending into said space between said attaching flange and said back of said front rack, said latter two sides each embodying a pin extending from said front supporting flanges into said holes in said front rack, and comprising a rear rack embodying a front, bottom, back and two sides, each said latter two sides having an inwardly turned, rear flange overlying and attached to said latter back, and each said latter two sides having an inwardly extending, front supporting flange extending into said space between said attaching flange and said back of said intermediate rack, said latter two sides each embodying a pin extending from said latter front supporting flanges into said holes in said intermediate rack.

7. An assembly of racks, comprising a front rack embodying a front, bottom and back, said back having a rearwardly and downwardly extending, attaching flange at the top spaced from said back, and two sides each having an inwardly-turned, rear flange overlying and attached to said back and extending lower than said bottom and each having a hole therethrough in said lower extending portion, and comprising an intermediate rack embodying a front, bottom and back, said back having a rearwardly extending, attaching flange at the top spaced from said back, and two sides each having an inwardly turned, rear flange overlying and attached to said latter back and extending lower than said bottom and each having a hole therethrough in said lower extending portion and each said latter two sides having an inwardly extending front supporting flange terminating upwardly at a point lower than said latter back and extending into said space between said attaching flange and said back of said front rack, said latter two sides each embodying a pin extending from said front supporting flanges into said holes in said front rack, and comprising a rear rack embodying a front, bottom and back in two sides, each said latter two sides having an inwardly turned, rear flange overlying and attached to said latter back, and each said latter two sides having an inwardly extending, front supporting flange terminating upwardly at a point lower than said latter back and extending into said space between said attaching flange and said back of said intermediate rack, said latter two sides each embodying a pin extending from said latter front supporting flanges into said holes in said intermediate rack.

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