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MESHWORK BAG

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Fig. 1.

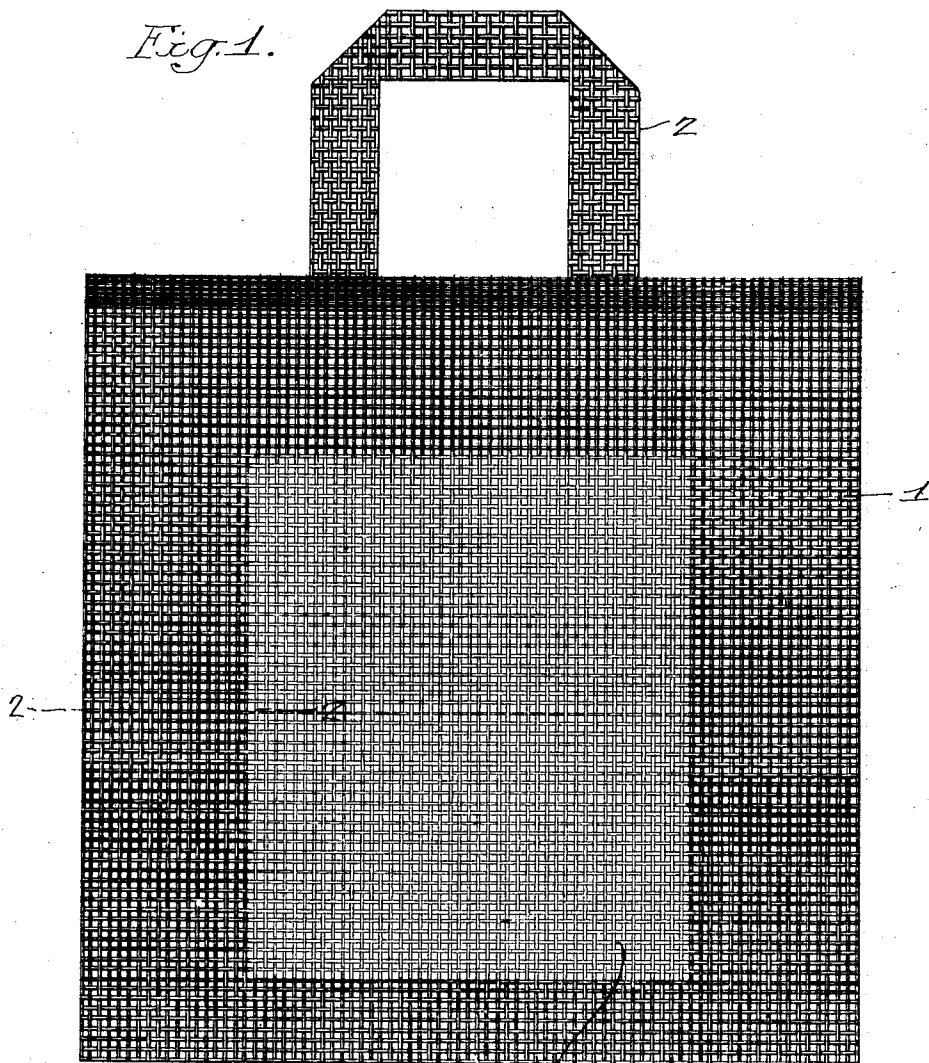


Fig. 2.

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MESHWORK BAG

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This invention relates to new and useful improvements in mesh work containers and particularly mesh work containers composed of paper yarns, jute, or like materials.

5 The principal object of the invention is to provide a bag or container of the character set forth with a suitable surface adapted to receive and legibly portray printed characters.

10 A more specific object of the invention is to provide a relatively solid surface for the reception of printed characters that is particularly adapted to containers of relatively open mesh structure.

15 Another object of the invention is to provide a surface for the reception of printed characters which will readily adhere to the body of the container under adverse conditions such as rubbing, friction, moisture

20 and the like.

Other features and details of my invention are set forth hereinafter and disclosed in the accompanying drawing, in which:

Figure 1 is a view in side elevation of a

25 container made in accordance with my invention; and

Fig. 2 is a view in section on line 2—2, Fig. 1.

The use of bags or containers of open

30 mesh fabric made from paper yarns, jute, or the like, for holding, and simultaneously displaying fruits, vegetables, and the like, is rapidly and consistently increasing as a result of the recognition of the need for

35 adequate ventilation of such articles and the visibility afforded as well as relative low cost of manufacture, and since such is the case the more open the mesh work, the greater will be the demand for such containers. However, heretofore, relatively

40 large spaces intermediate the strands forming the mesh have been impractical, due to the desirability of having legible printing on the outer surface of the containers, the

45 legibility of the printing obviously decreasing as the spacing of the mesh is increased.

Heretofore, the only solution available consisted of affixing an ordinary gummed

50 label to the outer surface of the container. This practice can readily be seen to be im-

practical, as labels so attached to the containers would constantly become loosened and drop off when said containers were placed under moist conditions such as ordinary damp out-of-door atmosphere, and

55 particularly where any variety of fruit or vegetables were stored in such containers in damp refrigerating rooms or processes. Furthermore, such a label affixed externally of the containers is subject to mutilation

60 or complete removal through contact or abrasion from other containers or adjacent surfaces. The utility of the externally affixed label is similarly undesirable when the size thereof necessary to receive the relatively large printed characters is considered.

By my invention I provide an open mesh bag or container having a portion of the surface thereof suitably processed to form

65 a relatively solid structure to receive and legibly portray printed characters or designs which eliminates all of the above undesirable characteristics encountered heretofore in the application of printed matter

70 to bags of the present character.

Referring now to the drawing, a container made in accordance with my invention may comprise an open mesh body 1

75 having handles 2 projecting therefrom, the said mesh work being fabricated of strands 80 of paper yarn, jute, or other like material which is suitably joined or sewed along respective free edges of the body by any suitable material.

The particular feature of my invention

85 resides in the novel surface 3 which may be processed on one or both side faces of a container for the reception of printed matter.

The surface 3 in the present instance is produced by placing plastic wood or paper

90 pulp or other macerated material, such as linen, cotton, jute or the like in the spaces residing intermediate the strands of the fabric, to effect a relatively solid surface for the purpose herein set forth. The pulp or

95 macerated material may be combined with the mesh fabric by forcing said fabric into the pulp or macerated material, or by forcing said material into the mesh fabric. In each instance, however, such combination of

100

the two materials is best effected by the use of powerful presses, or other means involving combination of the two elements under great pressures. It should be noted also that the pulp or macerated material may be applied to the mesh fabric simultaneous with printing of the characters thereon, however, the printing press must have sufficient power to efficiently combine the pulp and the fabric. The relatively solid surface thus produced permits of adequate printing for advertisements and the like, yet permits the remainder of the body of the fabric, not so treated to be of equal or much greater spaced mesh than has been possible heretofore, thus providing for the display and proper ventilation of the articles contained therein to better advantage.

While I have limited the description of my invention as applied to containers for perishable articles and the like, the invention may be advantageously utilized in containers of the type known as school and shopping bags, and containers adapted for many other articles not within the scope of the term fruits and vegetables.

I claim:

1. A container in the form of an open mesh bag fabricated of yarn having a relatively solid surface forming a part only of one or more sides of the bag and arranged for legible reception of printing, the said surface being formed by combining a layer of pulp to the open mesh fabric under pressure.

2. A container in the form of an open mesh structure fabricated of paper yarn, and a layer of macerated material combined integrally therewith under pressure and covering a part only of one or more side faces of said container.

3. A container in the form of an open mesh structure fabricated of paper yarn, said structure having a solid surface covering a part only of said container, the said surface being formed by combining paper pulp integrally with said part of the mesh-work under pressure.

4. In a structure having an open mesh body, a solid surface forming a part only of said structure, the said surface being formed by combining pulp to the structure under pressure.

5. In a structure having an open mesh body, a solid surface forming a part only of said structure, formed by combining a macerated mass with the structure under pressure, the said mass residing almost entirely in the spaces intermediate the strands of said structure.

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