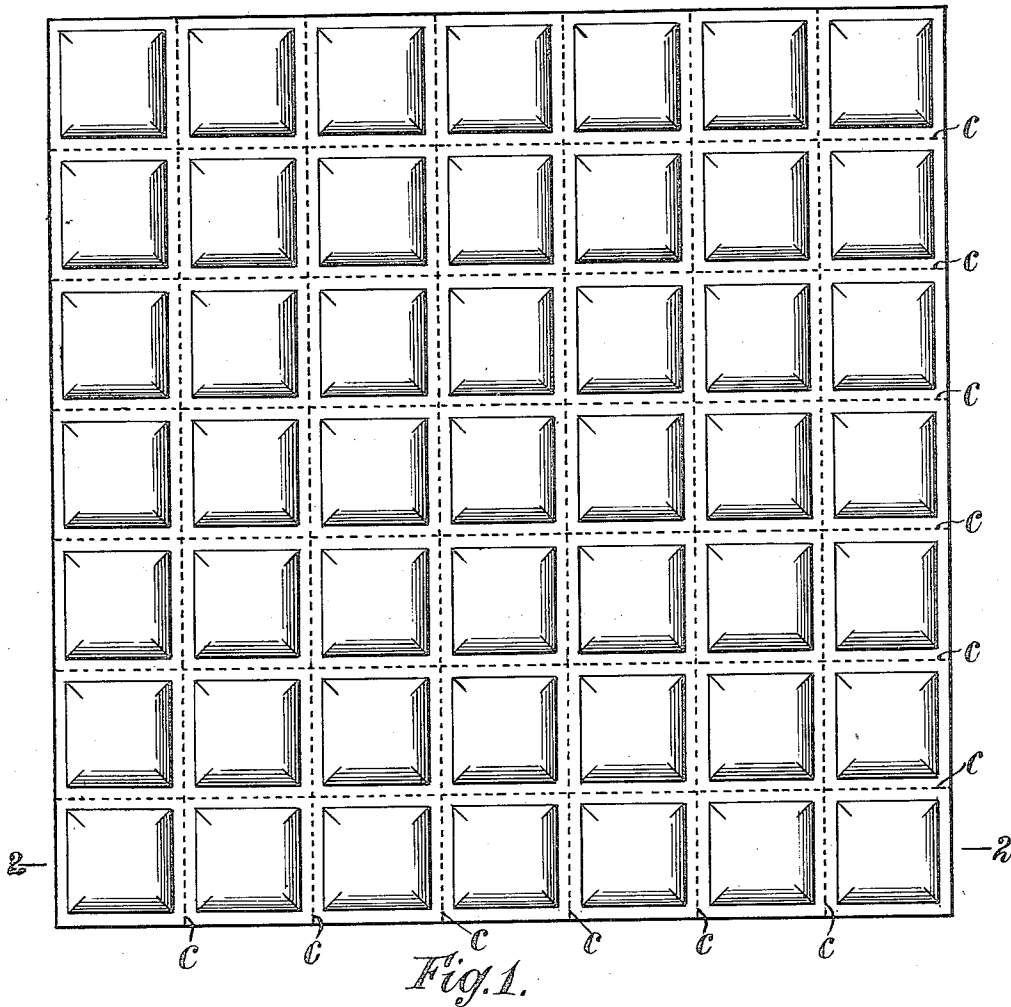


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LIQUID IMPREGNATING DEVICE.
APPLICATION FILED DEC. 3, 1912.

1,075,210.

Patented Oct. 7, 1913.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE EDWARD HEYL, OF LONDON, AND FREDERICK JOHN ALLEN, OF WANSTEAD, ENGLAND.

LIQUID-IMPREGNATING DEVICE.

1,075,210.

Specification of Letters Patent.

Patented Oct. 7, 1913.

Application filed December 3, 1912. Serial No. 734,726.

To all whom it may concern:

Be it known that we, GEORGE EDWARD HEYL and FREDERICK JOHN ALLEN, subjects of the King of Great Britain, residing at
5 Kings House, Kingsway, London, England, and St. Alkmunds, Hermon Hill, Wanstead, Essex, England, respectively, have invented a Liquid-Impregnating Device, of which the following is a specification.

10 This invention relates to a new article for domestic use which comprises a layer of material required for the impregnation of a relatively considerable volume of liquid, which layer is inclosed between two ad-
15 herent sheets of protective material forming a flat article, the triple layer being so perforated with rows of apertures as to permit the detachment with facility of a determined portion of the article from the re-
20 mainder just as an individual postage stamp can be detached from a sheet of stamps.

The nature and purpose of the invention will be explained by reference to a particular example of its application illus-
25 trated on the accompanying drawing, it being understood that this is only a representative example.

In this drawing Figure 1 is a plan of the device and Fig. 2 is a sectional view taken
30 on the line 2—2 of Fig. 1.

For laundry purposes, the washed linen is required to be rinsed in water containing a determined quantity of blue coloring-matter. By the present invention in which a
35 layer of such blue coloring-matter is inclosed between two sheets of paper *a*, *b* of a blotting-paper texture and so perforated at *c* that a known quantity of coloring-matter is contained within each separable portion
40 thereof, precision can be readily attained in respect to the degree of coloration of the rinsing water, and waste and mess avoided.

The protecting sheets of the essential inclosed-layer of material are required to be
45 adherent to one another either through the medium of the interposed material or otherwise. If the interposed substance is of a gummy nature the inclosing and protecting sheets will be sufficiently attached thereby
50 and, even if it is not, the perforation of two sheets inclosing a layer of powder will by the interconnection of the sides of the perforations of one sheet with those of the other unite together the enveloping sheets

sufficiently to serve the purpose of the 55 present invention.

Alternatively to relying on the above described inter-connection of the inclosing sheets the interposed layer of essential material may be deposited in separated patches 60 on one of the sheets which is gummed all over or along the borders of the separated patches, the second inclosed sheet being attached to the first along the said borders, the perforation of the said borders being effect- 65 ed either before or after the union of the two inclosing sheets.

Besides providing a conveniently divisible carrier of blue coloring-matter for laundry purposes the present invention is applicable 70 to other like purposes in which to a relatively considerable volume of liquid a determined quantity of concentrated substance is required to be added. Its employment for dyeing purposes will constitute only an ex- 75 tended use of the invention as above described.

The present invention is adapted to provide also a useful article for domestic use in culinary operations. The essential inter- 80 posed layer may consist of curry powder for example or other substances adapted to flavor gravies, soups, jellies or the like, or consist of herbs or the essences thereof to boil with vegetables such for example as 85 mint for peas.

When employed for culinary purposes the inclosing protecting sheets may advantageously be composed of wafer-paste or gela- 90 tin or a combination thereof which is adapted to be dissolved with the inclosed essential layer in the liquid to be flavored.

The inclosing protecting sheets may carry instructions as to the use of the inclosed layer of material, or provide other informa- 95 tion.

We claim:

1. An article for domestic use, comprising a layer of material required for the impreg- 100 nation, in proportionate quantities, of a relatively considerable volume of liquid, and two inclosing adherent sheets of protective material, the triple layer being perforated with rows of apertures adapted to facilitate the detachment of a determined portion of 105 the article from the remainder.

2. A flat article for domestic use, comprising a layer of blue coloring-matter required

for the proportionate coloration of a relatively considerable volume of water for laundry purposes, and two inclosing adherent sheets of blotting-paper texture, the
5 said flat article being perforated with rows of apertures adapted to facilitate the detachment from the remainder of a determined quantity of the blue coloring-matter.

In testimony whereof we have signed our names to this specification in the presence 10 of two subscribing witnesses.

GEORGE EDWARD HEYL.

FREDK. JOHN ALLEN.

Witnesses:

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TRACY LAY.