

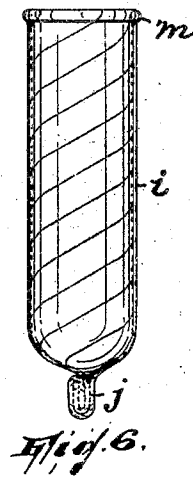
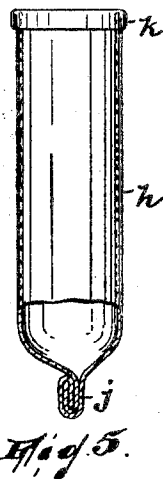
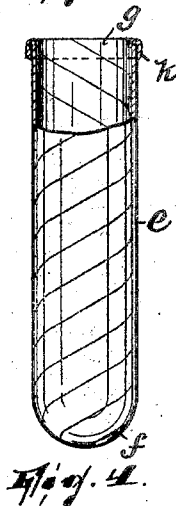
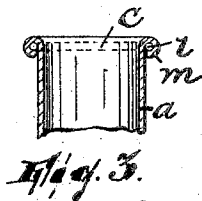
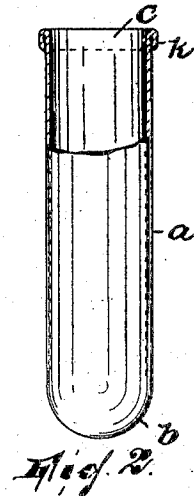
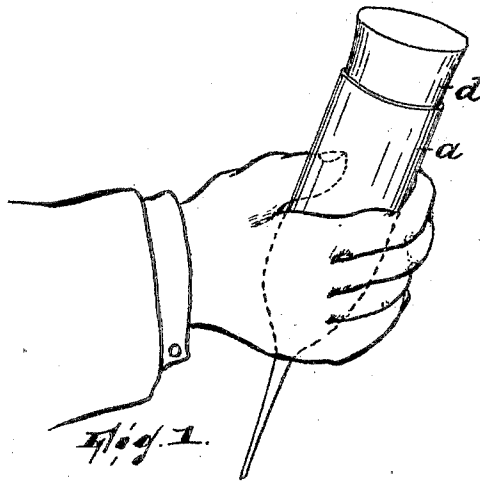
No. 797,775.

PATENTED AUG. 22, 1905.

S. LUSTIG.

WATER ICE AND ICE CREAM CARTRIDGE.

APPLICATION FILED FEB. 16, 1904.



WITNESSES:

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UNITED STATES PATENT OFFICE.

SAMUEL LUSTIG, OF PATERSON, NEW JERSEY, ASSIGNOR TO NATIONAL ICE-CARTRIDGE & NOVELTY COMPANY, OF PATERSON, NEW JERSEY, A CORPORATION OF NEW JERSEY.

WATER-ICE AND ICE-CREAM CARTRIDGE.

No. 797,775.

Specification of Letters Patent.

Patented Aug. 22, 1905.

Application filed February 16, 1904. Serial No. 193,810.

To all whom it may concern:

Be it known that I, SAMUEL LUSTIG, a citizen of the United States, residing in Paterson, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Water-Ice and Ice-Cream Cartridges; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention consists in an article of manufacture comprising a hollow, elongated holder of thin material having a relatively large mouth or opening at one end and its other end closed and a filling of some substance which by being frozen stands in said holder converted from a liquid into a semi-solid or plastic state. In use the holder is compressed in the hand sufficiently to cause the contents to be forced therefrom at its open end in the same manner that the ordinary compressible paint-tube, for instance, is manipulated to eject its contents; but in the present instance by virtue of the above-described peculiar forms of holder portion and contents portion of the article the latter is essentially differentiated from others (such as that particularly mentioned above, for instance) in that when held in the hand for compression the superficial portion of the contents will soften by melting from the warmth of the hand, so that not only is adhesion between the latter and the walls of the holder destroyed, but a kind of lubricant formed. Thus the contents will discharge without difficulty from the holder and as an incident thereto the danger of bursting the holder will be eliminated.

The invention will be found fully illustrated in the accompanying drawings, wherein—

Figure 1 shows the article as held in the hand and as already partly compressed, so that its charge or filling protrudes therefrom; and Figs. 2, 3, 4, 5, and 6 show modified forms of the holder or container.

The holder or container, as above stated, is in the form of a compressible cartridge or capsule closed at one end and provided with

an opening at the other end approximating in size the size of said other end of the cartridge or capsule. The cartridge or cap is formed of any heat-conducting material—such as heavy tin-foil, soft gelatin, sheet-lead—in which instance the surface thereof should be protected by some coating which would prevent poisonous chemical action between the contents and the lead or any other suitable compressible material. It may be molded or otherwise shaped into the form shown in Figs. 1, 2, and 3, where such cartridge or capsule *a* has one end closed, as at *b*, and the other end formed with an opening *c*, approximating in diameter the diameter of said end. *d* in Fig. 1 designates the plastic frozen contents, or such cartridge or capsule may be produced by winding spirally a strip of some such material as is above referred to, (see Fig. 4, where *e* indicates a cartridge or capsule thus shaped,) in which instance one end of the cartridge is formed closed, as at *f*, while the other end is open, as at *g*, or, again, such cartridge or capsule may be produced by molding or casting the material used in the form of a cylinder, as at *h* in Fig. 5, or by winding a strip of the material spirally, as at *i* in Fig. 6, the closing of one end of the cylinder in either instance being effected by first flattening the same and then folding it one or more times, as at *j* in Figs. 5 and 6.

If desired, the open or mouth end of the cartridge or capsule may be strengthened or reinforced in any suitable manner, as by folding the edge portion back on itself, as at *k* in Figs. 2, 4, and 5, or by rolling said edge portion back on a strengthening-ring *l*, as at *m* in Figs. 3 and 6. The contents may be some frozen edible substance, as water-ice, ice-cream, or the like. It is usually first deposited in the holder and then refrigerated until sufficiently hard. It will be understood that in using the article it is held in the hand, as shown in Fig. 1, and compressed until some of the contents protrudes from the holder, and when this has been bitten off or otherwise removed the holder is again compressed, forcing out more of the contents, and so on until the holder is empty. The warmth of the hand softens up the portion of the contents nearest the walls of the holder, destroying any adhesion between the

contents and said walls, and in effect forming a lubricant, whereby the bulk of the contents is readily ejected from the holder without danger of bursting the latter.

I do not wish to be limited either as to the form of the cartridge or capsule, the material used in producing the same, or in any other particular not hereinafter expressly set forth in the claims.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a hollow collapsible holder having its body portion substantially in the form of a cylinder, formed throughout of flexible heat-conducting material of uniform thickness in said body portion, and being open at one end and closed at the other, in combination with an

edible frozen charge, substantially as described.

2. As a new article of manufacture a hollow collapsible holder having its body portion substantially in the shape of a cylinder, formed throughout of flexible heat-conducting walls of uniform thickness in said body portion, and being opened at one end and closed at its other end, in combination with an edible charge frozen within said holder, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 9th day of February, 1904.

SAMUEL LUSTIG.

Witnesses:

ALFRED GARTNER,
JOHN W. STEWARD.