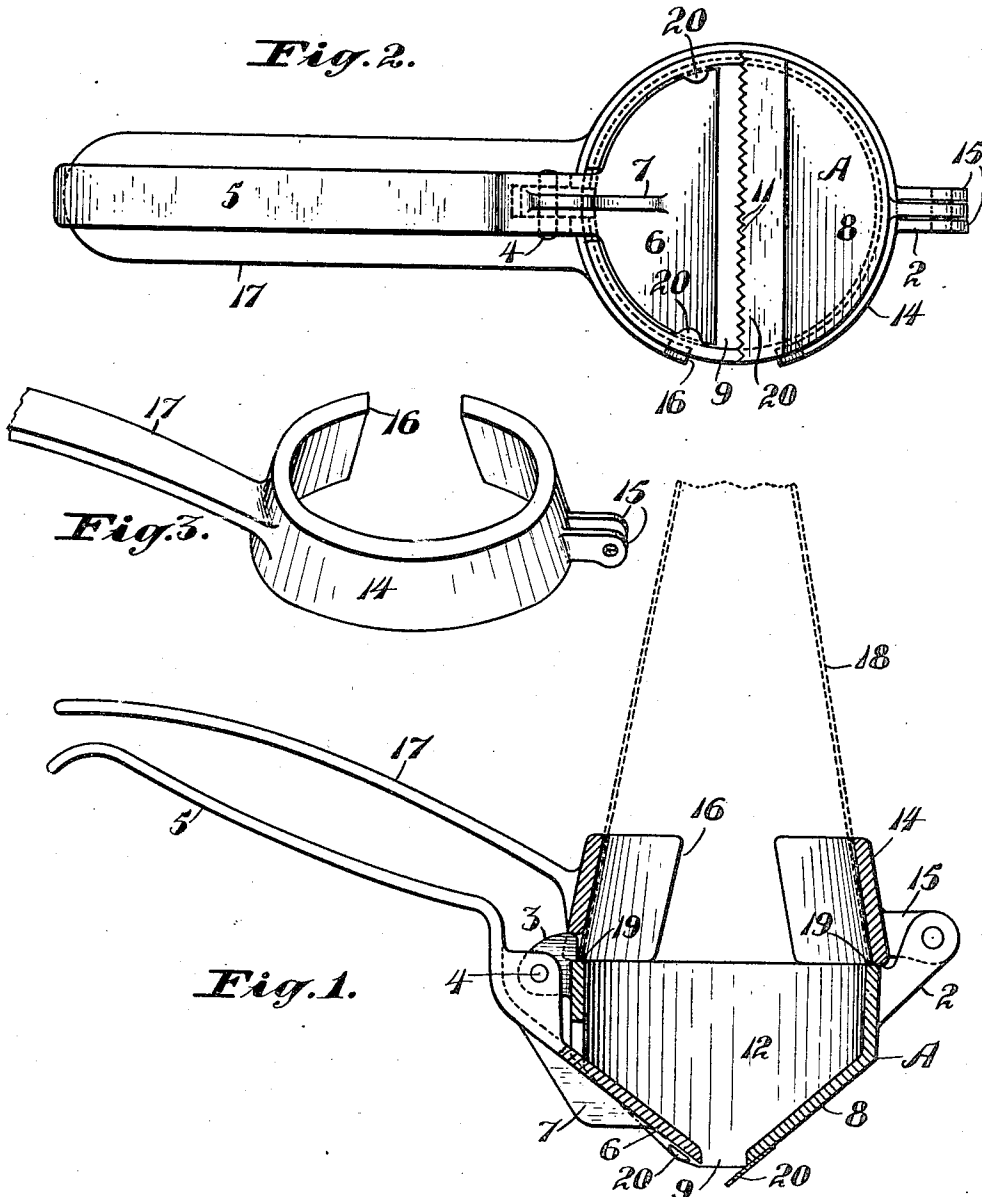


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*Fig. 1.*

*Fig. 2.*

*Fig. 3.*

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# UNITED STATES PATENT OFFICE.

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## ICE SCRAPER.

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*To all whom it may concern:*

Be it known that I, WILLIAM S. VAN SANT, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented new and useful Improvements in Ice Scrapers, of which the following is a specification.

This invention relates to a scraper and especially to a scraping or shaving device whereby ice may be quickly and readily reduced to a snow-like consistency.

One of the objects of the present invention is to generally improve and simplify devices of the character described, and especially to provide a simple, substantial and easily operated device whereby ice may be readily reduced by scraping or shaving action to a snow-like consistency, and simultaneously transferred to a container provided for its reception.

Another object of the invention is to provide means whereby a container or mould for the reception of the shaved ice may be readily attached or removed with relation to the scraper; further to provide means for freeing the scraper if clogged, and for insuring transfer of the snow to the receptacle.

Other objects will hereinafter appear.

The invention consists of the parts and the construction, combination and arrangement of parts as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Fig. 1 is a central, vertical, longitudinal section through the scraper.

Fig. 2 is a bottom view of the same.

Fig. 3 is a perspective view of the holder in which the receptacle is placed.

Referring to the drawings in detail, A indicates a cylindrical shaped container on opposite sides of which are formed bearing lugs such as indicated at 2 and 3. Pivotaly attached to the lug 3, as at 4, is a handle 5, and forming a part of the handle or an extension thereof, is a movable bottom section or ejector 6, on which is formed a lug 7. The ejector is semi-circular in shape as shown in Fig. 2 and forms a partial closure or bottom section for the cylindrical container A; the opposite side of the container being closed by a permanent bottom section 8; the bottom sections 6 and 8 being sepa-

rated to form a transverse slot 9, through which the reduced or shaved ice may be admitted.

For the purpose of permitting ice or like material to be readily reduced to a snow-like consistency, a scraping blade 10 has been provided. The forward edge of this blade is sharp and serrated as at 11, thus forming an ideal cutting edge for scraping or shaving the ice. The forward edge of the blade extends over the transverse slot 9, and it is disposed at such an angle that it will direct the ice shavings upwardly through the slot into a chamber 12 formed within the container. The blade may be secured to the permanent bottom section 8 by rivets or the like, or soldered as here shown.

The present device is intended for the purpose of reducing ice by scraping or shaving action to a snow-like consistency, and simultaneously transferring the disintegrated material into a receptacle such as a cornucopia or the like, and it is then flavored by pouring syrup or other flavoring material over the contents. With this object in view it should be obvious that direct transfer of the disintegrated material to the receptacle is preferable as it not only reduces time, but permits sanitary handling of the ice. To accomplish this, a holder 14 has been provided. This holder is cylindrical and cone-shaped as shown in Figs. 1 and 3, and it is pivotally attached to the container A by means of a pair of bearing lugs 15. One side of the holder is open as at 16 and the holder is otherwise provided with a handle 17 which aligns with the handle 5. The preferred form of receptacle for the disintegrated ice is a cone-shaped cornucopia, or a paper container such as indicated at 18. These are inserted when the holder and the container are separated and are retained during the scraping operation when the parts are swung together as the container A is slightly less in diameter than the enlarged end of the holder 14, thus forming a shoulder 19 which secures the receptacle against endwise movement when in position. In actual operation with a cone shaped receiver or a cornucopia placed within the holder, it is only necessary to grasp the

handle sections 5 and 17 and to pull the scraper over the smooth surface of an ice block. The disintegrated material or shavings thus produced are directed through the slot 9 into the chamber 12 and are from time to time forced upwardly into the container 18 by depressing the movable bottom section 6; this being accomplished by pressing on the lug 7 either by means of a finger or by rocking the scraper so that the lug engages with the surface of the ice. Such engagement of the lug causes the bottom section 6 to move inwardly, thus forcing the disintegrated material upwardly into the cone, and at the same time freeing the scraper edge if it should be clogged. The operation is continued until the cone or container 18 has been filled, and it is then only necessary to separate the sections A and 14 and then to remove the container 18, this being accomplished by grasping the container at its lower reduced end and lifting it upwardly through the holder 14 until the reduced end can be passed out or through the opening or slot 16 formed in one side thereof. A flavoring extract, syrup or the like may then be poured over the snow and the contents is ready for consumption. A new cone may now be inserted and the operation repeated.

For the purpose of limiting the outward movement of the movable bottom section or ejector 6, a pair of lugs 20 has been provided. These lugs are formed on the rim or sides of the container A and are only projected sufficiently far to engage the bottom section 6, thus securing it in proper position during the scraping operation and otherwise limiting its outward movement.

The combined scraper and holder here shown is exceedingly simple and substantial, and may be handled by practically any one as comparatively little knowledge or practice is required in the operation of the same. A large scraping edge is formed by the serrated blade 11 and the operation of filling the cone or receptacle is therefore comparatively quick. A fresh product is always insured by the buyer as snow cones of this kind melt readily and cannot be kept except in cold storage. The operation of producing the snow cone, is however so easily and quickly accomplished, that the operator does not have to make a supply of the same for sale, but fills each cone when required. The device as a whole is otherwise exceedingly sanitary as no part of the contents of the cone is at any time handled by the operator.

While certain features of the present invention are more or less specifically illustrated, I wish it understood that various changes in form and proportion may be resorted to within the scope of the appended claims, similarly that the materials and finish of the several parts employed may be

such as the experience and judgment of the manufacturer may dictate or varying uses may demand.

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

1. A combination scraper and holder comprising a pair of hingedly connected sections, a scraper on one section, a handle pivotally attached to said section, an ejector carried by the handle and movable with relation to the scraper, and means for securing a receptacle in the other section.

2. A combination scraper and holder comprising a container, a stationary half bottom section formed therein, a scraper secured to said bottom section, an ejector hingedly secured to the container forming a movable bottom section for the other half of the container, said bottom sections being separated to form a slot in front of the scraper, and means for securing a removable receptacle with relation to the container.

3. A combination scraper and holder comprising a container, a stationary half bottom section formed therein, a scraper secured to said bottom section, an ejector hingedly secured to the container forming a movable bottom section for the other half of the container, said bottom sections being separated to form a slot in front of the scraper, a holder for the reception of a removable receptacle, and a hinge connection between the holder and the container.

4. A combination scraper and holder comprising a container, a stationary half bottom section formed therein, a scraper secured to said bottom section, an ejector hingedly secured to the container forming a movable bottom section for the other half of the container, said bottom sections being separated to form a slot in front of the scraper, a holder for the reception of a removable receptacle, a hinge connection between the holder and the container, and a pair of aligned handles formed one on the container and one on the ejector, said handles adapted to secure or separate the container and holder with relation to each other, and also adapted to permit independent movement of the ejector.

5. In a device of the character described, the combination with the container and a scraper carried thereby, of a holder hingedly secured to the container, said holder being ring shaped and having a slot formed in one side to permit removal of an insertable receptacle, and means for securing the holder with relation to the container.

6. In a device of the character described, the combination with a container and a scraper carried thereby, of a holder hingedly secured to the container, said holder being ring shaped and having a slot formed in one side to permit removal of an insertable re-

ceptacle, a bottom section hingedly secured to the container, a handle thereon, and an aligned handle formed on the holder.

5 7. In a device of the character described, the combination with the container and a scraper carried thereby, of a holder hingedly secured to the container, said holder being ring shaped and having a slot formed in one side to permit removal of an insertable re-

ceptacle, a bottom section hingedly secured 10 to the container, a handle thereon, an aligning handle formed on the holder, stop lugs on the container limiting the movement of the bottom section, and a lug formed on the movable bottom section to permit depression 15 thereof.

WILLIAM S. VAN SANT.