

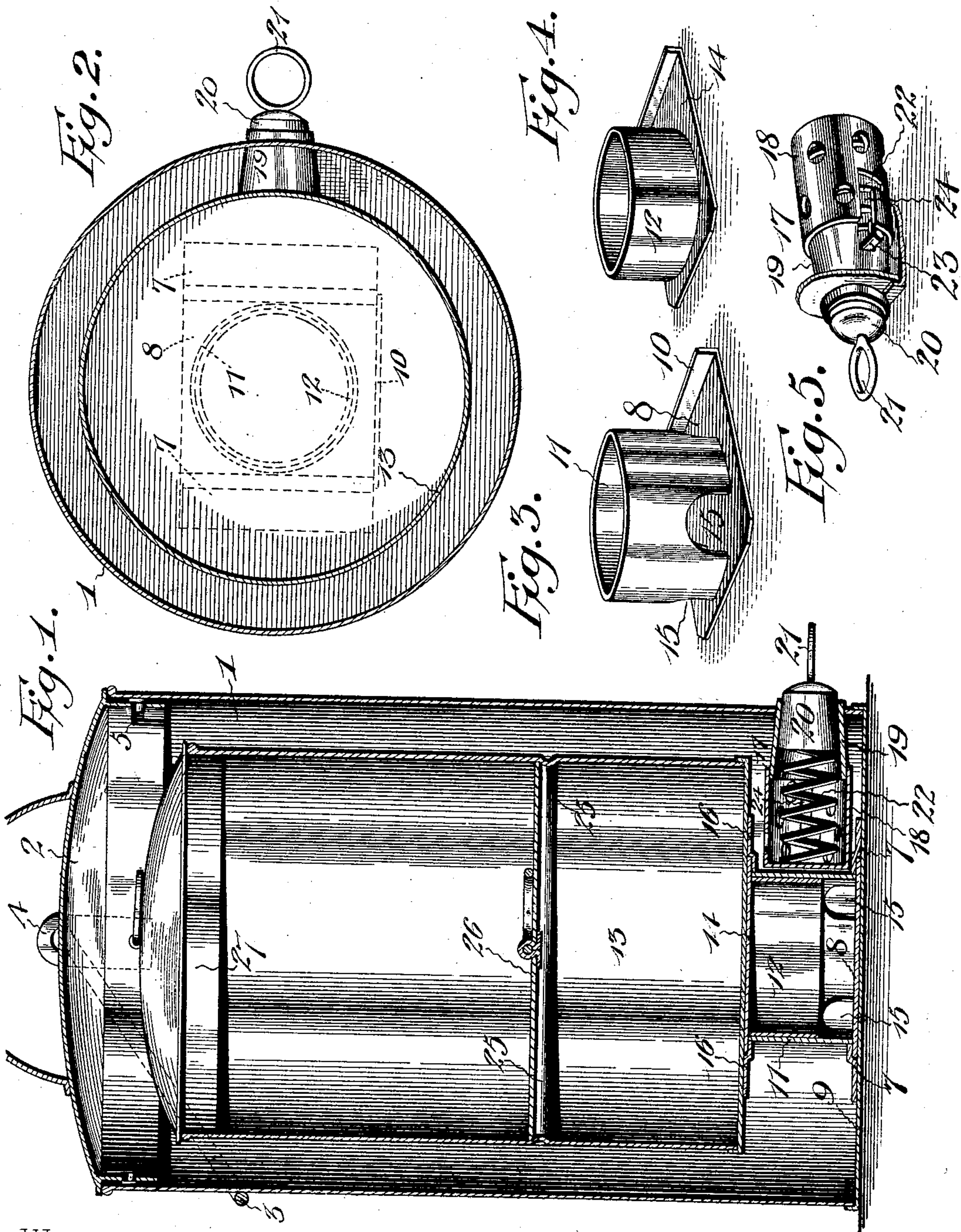
No. 633,201.

Patented Sept. 19, 1899.

J. KRANER.
REFRIGERATOR PAIL.

(Application filed June 3, 1898.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

JACOB KRANER, OF KENDALLVILLE, INDIANA.

REFRIGERATOR-PAIL.

SPECIFICATION forming part of Letters Patent No. 633,201, dated September 19, 1899.

Application filed June 3, 1898. Serial No. 682,488. (No model.)

To all whom it may concern:

Be it known that I, JACOB KRANER, a citizen of the United States, residing at Kendallville, in the county of Noble and State of Indiana, have invented a new and useful Refrigerator-Pail, of which the following is a specification.

The invention relates to improvements in refrigerator-pails.

10 The object of the present invention is to improve the construction of refrigerator-pails and analogous receptacles and to provide a simple and comparatively inexpensive one in which the inner receptacle will be thoroughly
15 subjected to the action of the ice or cold water and will be held in fixed relation with the outside receptacle in a position that will permit water and ice to pass beneath it.

20 A further object of the invention is to provide a simple, inexpensive, and efficient device which will enable water to be readily drawn from the pail when desired.

25 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

30 In the drawings, Figure 1 is a vertical sectional view of a refrigerator-pail constructed in accordance with this invention. Fig. 2 is a horizontal sectional view. Fig. 3 is a detail perspective view of the slide and the supporting-ring of the outer receptacle. Fig. 4 is a detail perspective view of the slide of the inner receptacle or pan, showing the device
35 which interlocks with the supporting-ring. Fig. 5 is a detail view of the vent.

40 Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates an outer receptacle or pail having a cover 2 and provided with a swinging bail or handle 3, connected with ears 4 in the usual manner; but any other suitable form
45 of handle may be employed, if desired. The cover or lid 2 is provided at opposite sides of its flange with L-shaped slots 5 to receive projections 6, extending inward from opposite sides of the receptacle 1. The slots of the lid
50 or cover have vertical branches extending upward from the lower edges of the flanges and are provided with horizontal branches extend-

ing from the upper terminals of the vertical branches, so that the cover or lid is interlocked with the body of the receptacle by forcing it downward over the projections and partially rotating it to bring the said projections in the horizontal branches of the slots. 55

The bottom of the pail or receptacle 1 is provided on its upper face with ways 7, receiving a slide 8 and consisting of strips of metal secured upon the bottom 9 and having their inner longitudinal edges angularly bent to form substantially L-shaped flanges. The slide 8, which has one edge bent upward
60 to form a stop 10, is provided with a vertically-disposed tubular support 11, consisting of a ring or cylinder and adapted to receive a depending tube or cylinder 12 of an inner receptacle 13. The tube or cylinder 12, which
65 forms a depending stem, is carried by a slide 14 and fits within the tubular support 11, terminating short of the bottom thereof to provide a space for openings 15, which permit water and ice to pass beneath the de-
70 pending stem and circulate over the entire bottom of the pail. The slide 14 is mounted in ways 16, consisting of strips secured to the bottom of the inner receptacle and constructed similar to the ways 7. One end of
75 the slide 14 is bent upward to form a combined stop and handle, like the slide 8, and both slides may be readily removed when desired. By interlocking the inner and outer receptacles in the manner shown the inner recep-
80 tacle is supported above the bottom of the outer one and is maintained in fixed relation with the same, so that water and ice may circulate freely around the inner receptacle. 85

The outer receptacle or pail is provided
90 near its bottom with an opening for the discharge of water, and a casing 17 is arranged within the receptacle 1 and secured at the opening. The casing 17 consists of a perforated inner portion 18 and a tapering outer
95 portion 19, which receives a tapering plug or stopper 20, having a handle or ring 21, located on the exterior of the pail and adapted to enable the plug to be readily forced inward when it is desired to allow the water to run
100 off. The plug or stopper, which may be constructed of any suitable material, is normally held extended to close the vent-opening by a coiled spring 22, located within the inner por-

tion of the casing and interposed between the plug and the rear end of the same. The perforations allow the water to flow freely from the device and at the same time prevent pieces
 5 of ice from escaping. The plug or stopper is provided at one side with an arm or projection 23, arranged in an L-shaped slot 24, consisting of a horizontal portion and a vertical portion depending from the inner end of the
 10 horizontal portion and adapted to receive the arm when the plug or stopper is moved inward, whereby the latter is retained in such position.

The inner receptacle is provided with a lid, and it has at a point between its ends an annular groove forming an interior bead 25 and adapted to support a horizontal partition 26. The partition, which is provided with a suitable handle, is adapted to separate the contents of the can or inner receptacle, and the
 20 lid or cover 27 prevents water from entering the same.

The refrigerator-pail is designed to receive finely-cracked or shaved ice, and it is adapted
 25 for carrying oysters, ice-cream, milk, lemonade, and various other kinds of drinks, and in cold weather it will serve as a convenient lunch-pail and may then be supplied with hot water.

30 The invention has the following advantages: The device, which is simple and comparatively inexpensive in construction, forms a convenient refrigerator which is adapted to be readily carried about. It will be found
 35 convenient for carrying produce to market, and by supporting the inner receptacle in the manner shown it is held in proper position and does not interfere with the free circulation of water and ice beneath it. The interlocking parts of the inner and outer receptacles may be readily removed when desired, and the vent, which is self-closing, may be
 40 locked in an open position to allow water to drain from the device. The perforated inner portion of the vent-casing prevents the escape of ice when the vent is open.

Changes in the form, proportion, and mi-

nor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention. 50

What I claim is—

1. A device of the class described, comprising an outer receptacle provided on the upper face of its bottom with ways, a slide
 55 mounted in the ways and provided with an upwardly-extending tubular support having openings near its bottom, an inner receptacle provided on the lower face of its bottom with ways, and a slide mounted in the ways of the
 60 inner receptacle and provided with a depending stem fitting in the tubular support, and terminating short of said openings, substantially as described.

2. In a device of the class described, the combination with a receptacle having an opening, of a vent-casing composed of a perforated inner portion and a tapering outer portion, said casing having a substantially L-shaped slot, a plug or stopper fitting in the
 70 tapering portion of the casing, provided with an outer handle and having an arm or projection arranged in said slot, and a spring arranged within the casing and engaging the inner end of the plug or stopper, substantially as described. 75

3. A device of the class described, comprising an outer receptacle provided on the upper face of its bottom with ways, a slide
 80 mounted in the ways and provided with an upwardly-extending tubular support, an inner receptacle provided on the lower face of its bottom with ways, and a slide mounted in the ways of the inner receptacle and provided with a depending stem fitting in the tubular
 85 support, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JACOB KRANER.

Witnesses:

E. A. LEWIS,
 LEWIS GOERING.