

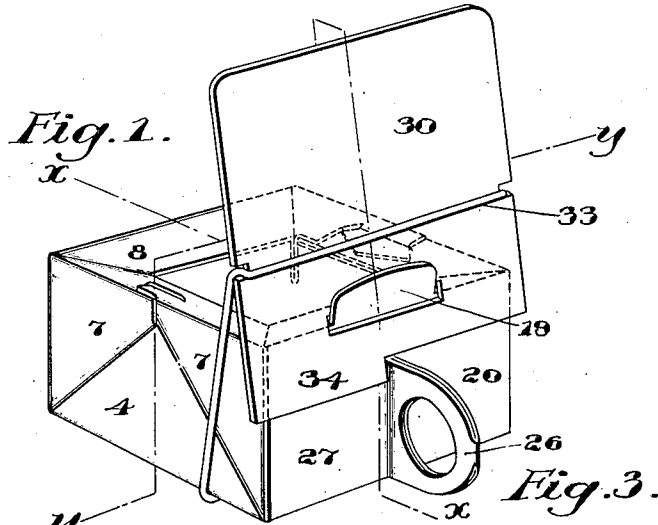
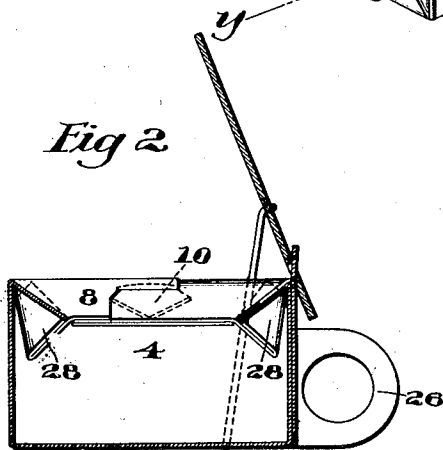
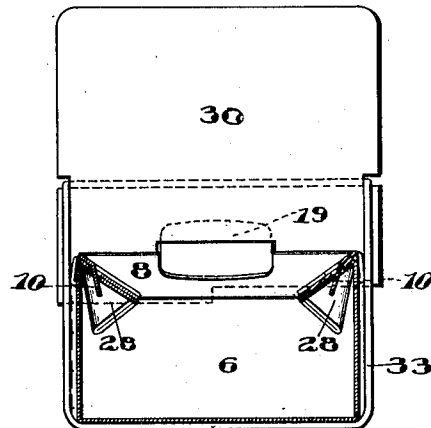
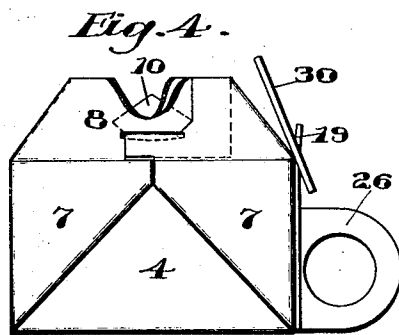
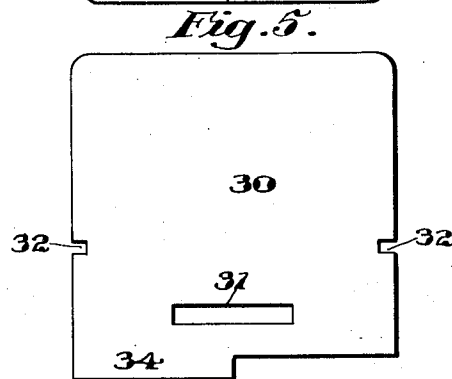
H. J. POTTER.
SPUTUM CUP.

APPLICATION FILED JUNE 4, 1906.

920,180.

Patented May 4, 1909.

2 SHEETS—SHEET 1.



Witnesses
Adolph C. Kaiser.
Robert H. Kammeler.

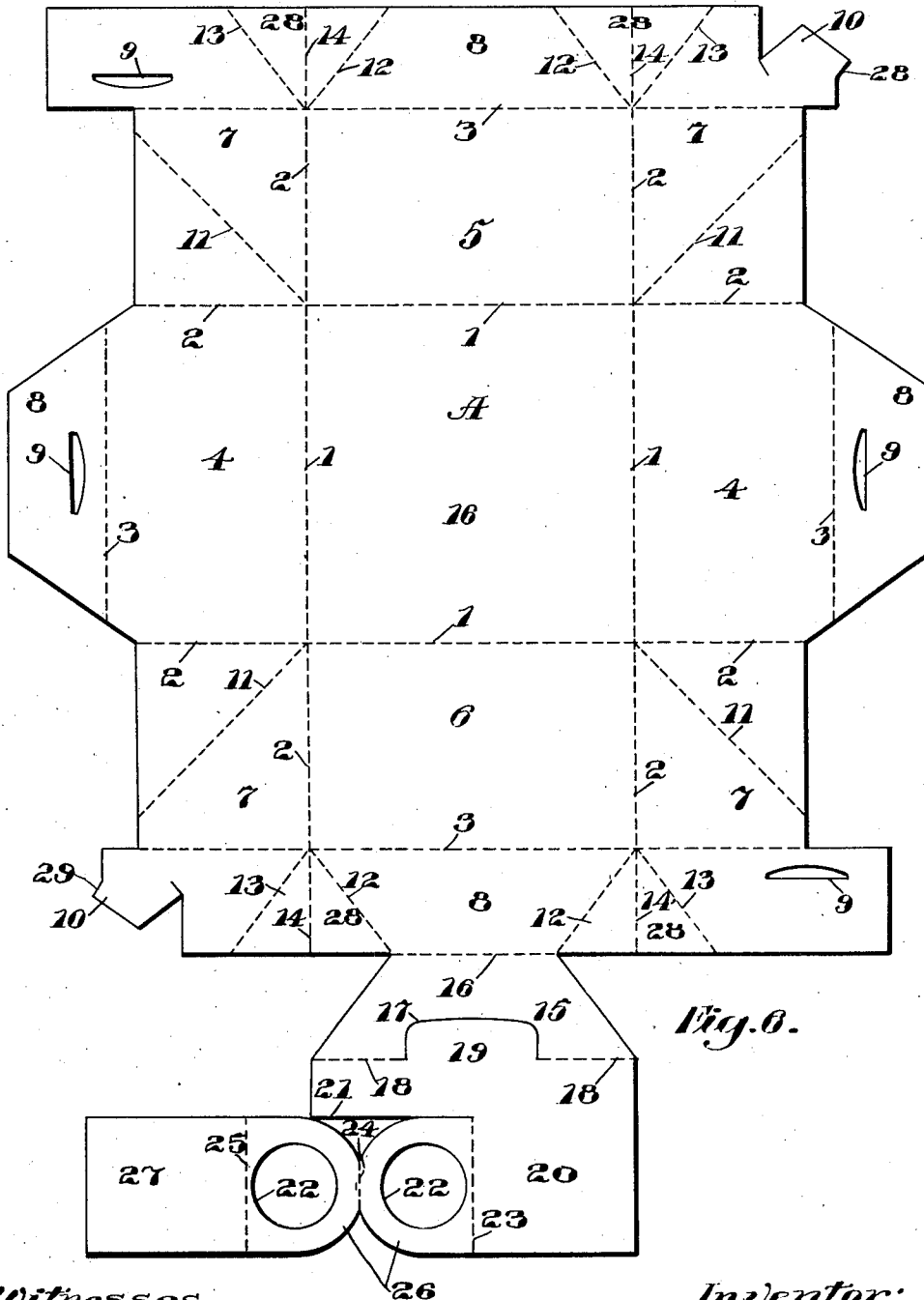
Inventor:
Harry J. Potter.
by Emory & Booth.
Attys.

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 SPUTUM CUP.
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2 SHEETS—SHEET 2.



Witnesses
Adolph C. Kaiser.
Robert H. Kammer.

Inventor:
Harry J. Potter
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UNITED STATES PATENT OFFICE.

HARRY J. POTTER, OF CAMBRIDGE, MASSACHUSETTS, ASSIGNOR TO BURNITOL MANUFACTURING COMPANY, OF CAMBRIDGE, MASSACHUSETTS, A CORPORATION OF MAINE.

SPUTUM-CUP.

No. 920,180.

Specification of Letters Patent.

Patented May 4, 1909.

Application filed June 4, 1906. Serial No. 319,978.

To all whom it may concern:

Be it known that I, HARRY J. POTTER, a citizen of the United States, and a resident of Cambridge, in the county of Middlesex, State of Massachusetts, have invented an Improvement in Sputum-Cups, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention relates to receptacles adapted, among other purposes, for use as a sputum cup, for the sick room, hospitals and wherever such cups are used. A cup for such use, should be of light weight, and provided usually with a cover.

My invention provides a cup, which, while possessing all the good qualities of cups heretofore used, possesses the additional important advantage, that, being inexpensive to manufacture, it may, after reasonable, usually one use, be destroyed, thus avoiding the necessity of cleansing it frequently, saving the time and labor necessitated by such cleansing, as well as avoiding the danger arising from lack of proper cleansing.

Although the cup may be made from different kinds of material, it is preferably made from heavy paper, previously rendered water proof and may be made from a blank previously cut from a single sheet of material and so folded that it is perfectly tight.

While my invention may be embodied in many different forms the one selected for illustration herein is preferred, it being provided with a handle, a self-closing cover, and an infolded flange to prevent accidental falling out of the roll of cotton or similar material commonly used in such cups.

Referring to the drawings:—Figure 1 is a perspective view of a cup comprising my invention showing the cover raised. Fig. 2 is a sectional view from the right of said cup on the line *x—x*, Fig. 1; Fig. 3 is a sectional view of the cup from the front on the line *y—y*, Fig. 1; Fig. 4 is a view of the cup from the right hand side, showing the cover partially broken off, the body of the cup completed with locking members in locking position, but before the flange has been returned; Fig. 5 is a plan view of the cover, and Fig. 6

is a view of the blank from which the cups are made, showing the method of scoring and folding the blank to form the cup.

Referring to Fig. 6 of the embodiment of my invention shown herein, the blank A, shaped as shown, is first scored along lines 1—1, thus outlining the bottom of the cup. By scoring along the lines 2—2 and 3—3 the sides 4—4 and front 5 and back 6 of the cup are formed, leaving between the sides 4—4 and front 5 and back 6 the corner pieces 7—7 and providing the respective sides, front and back with extensions 8—8. For convenience of description, the sides 4—4, the front 5, and the back 6, may be termed side portions. These extensions 8—8 are provided with the slots 9—9, and the locking members 10—10, as shown, adapted to enter the slots and lock the various parts of the receptacle securely together.

The corner parts 7—7 are scored along lines 11—11 permitting them to be folded adjacent the sides of the receptacle and the extensions 8—8 are scored along lines 12—12, 13—13 and 14—14 forming the flanges.

The extension 8 of the back 6 of the cup is provided with a neck like member 15 scored at 16 to permit it to be folded inwardly over the flange at the back of the cup. This member 15 is cut along the line 17 and scored in the line 18, thus forming a tongue like member 19 which stands upright and to which the cover is hinged when the part 20 is bent downwardly adjacent the back of the cup. Part 20 is then cut along lines 21 and 22—22 and scored along lines 23, 24 and 25 preparatory to forming the handle 26.

To form the cup the blank scored as above described is first folded upward along lines 1—1 thus forming the bottom. The sides 4—4 and front 5 and back 6 being brought to an upright position, the corner sections 7—7 are folded inwardly along lines 11—11, forming triangular wings which are then pressed adjacent the sides of the cup, bringing the slots 9—9 on each side opposite to each other and in position to receive the locking members 10—10 for the respective sides. The locking member 10, provided

with shoulders 29, is then inserted through the slots 9—9, locking the sides securely. The triangular corner pieces 28—28 of the front and back extension 8—8 are then in-
 5 folded along lines 12—13—14 and the parts 8—8 then turned inwardly, forming flanges which serve to retain in the cup the roll of cotton or similar substances which is cus-
 10 tomarily used in such receptacles and completing the formation of the cup proper. The part 20 is then turned downwardly ad-
 15 jacent the back of the cup, the parts 26 forming the handle folded outwardly on lines 23 and 25 and brought together on line 24, and
 20 part 27 laid adjacent the part 20 at the back of the cup. The parts 20 and 27 may now be secured to the back of the cup by any
 25 suitable adhesive and the cup is complete. The handle 26 being flexible may be folded
 30 against the back of the cup for convenience in packing, if desired. The tongue 19 re-
 35 maining in an upright position serves as a hinge member for the cover 30 in connection with the slot 31 therein.

Claim.

1. As a new article of manufacture a recep-
 35 tacle of the class described comprising a body formed from a single sheet of material shaped and scored to present a bottom, side walls
 40 extending therefrom and provided with in-
 45 folding extension pieces integral therewith, one of said extension pieces being provided with a portion extending therefrom in line
 50 therewith, said latter extension portion being adapted to be folded back over said extension
 55 piece and down over the corresponding side
 60 wall and cut to form a tongue member near the top of said side wall, and also cut to form a handle member adapted to be bent out at an
 65 angle to said side wall beneath the tongue, and a cover hinged upon said tongue member
 70 and having a portion thereof extending above
 75 said handle member.

2. As a new article of manufacture a recep-
 80 tacle of the class described, comprising a body formed from a single sheet of material
 85 shaped and scored to present a bottom, side walls extending therefrom, one of said side walls being provided with a portion extend-
 90 ing therefrom in line therewith, said exten-
 95 sion being adapted to be folded back and
 100 downward over said latter side wall, and cut
 105 to form a tongue member near the top of
 110 said side wall, and also cut to form a handle
 115 member adapted to be bent out at an angle
 120 to said side wall beneath the tongue, and a

cover hinged upon said tongue member and
 125 having a portion thereof extending above
 130 said handle member.

3. As a new article of manufacture, a recep-
 135 tacle comprising a body formed from a single sheet of flexible material scored to present a
 140 bottom portion, side portions extending therefrom, corner portions between said side
 145 portions and an extension piece extending from one of the side portions and shaped so
 150 as to be folded outwardly and downwardly
 155 over that side portion of the receptacle from which it extends, a handle piece formed in
 160 said extension piece and adapted to be bent therefrom and extend outwardly from the
 165 side of the receptacle.

4. As a new article of manufacture, a recep-
 170 tacle comprising a body formed from a single sheet of flexible material scored to present a
 175 bottom portion, side portions extending therefrom, corner portions between said side
 180 portions, and extension pieces extending from the side portions and adapted to be
 185 folded and interlocked to form an inwardly extending flange about the mouth of the re-
 190 ceptacle, one of said extension pieces being continued to form a portion which is adapted
 195 to be bent back at the edge of the flange and extend downwardly over that portion of the
 200 receptacle of which it is a continuation, and a tongue member cut from said extension and
 205 adapted to project near the upper edge of the receptacle and a cover for the receptacle,
 210 said tongue forming a hinge member for said cover.

5. As a new article of manufacture, a re-
 215 ceptacle comprising a body formed from a single sheet of flexible material scored to pre-
 220 sent a bottom portion, side portions extend-
 225 ing therefrom, corner portions between said side portions, and an extension piece extend-
 230 ing from one of the side portions and shaped so as to be folded outwardly and downwardly
 235 over that side portion of the receptacle from which it extends, a handle piece in said ex-
 240 tension piece and adapted to be bent there-
 245 from and extend outwardly from the side of the receptacle, and a cover hinged upon the
 250 receptacle and adapted to be operated by the thumb upon that hand of the user grasping
 255 said handle piece.

6. As a new article of manufacture, a re-
 260 ceptacle of the class described comprising a body formed from a single sheet of material
 265 shaped and scored to present a bottom, side walls extending therefrom, infolding corner
 270 portions between the side portions and in-
 275 folding extension pieces 8, one pair of in-
 280 folding extension pieces 8 being formed as continuations of opposite side walls and in-
 285 folding corner walls, each of said pair of ex-
 290 tensions having at opposite ends a slot and an extended tongue, the other pair of extensions
 295 8 each extending from and in line with the

other pair of the side walls of the receptacle
and each provided with a slot, each tongue of
said extensions being adapted when the re-
ceptacle is shaped to enter two of said slots
5 and said extensions 8 being adapted to be in-
folded to form a retaining flange.

In testimony whereof, I have signed my

name to this specification, in the presence of
two subscribing witnesses.

HARRY J. POTTER.

Witnesses:

SIDNEY F. SMITH,
EVERETT S. EMERY.