No. 896,138. PATENTED AUG. 18, 1908.

H. J. MITTELL.

PORTABLE CONTAINER FOR GAS FORMING CHEMICALS.

APPLICATION FILED MAY 3, 1907.

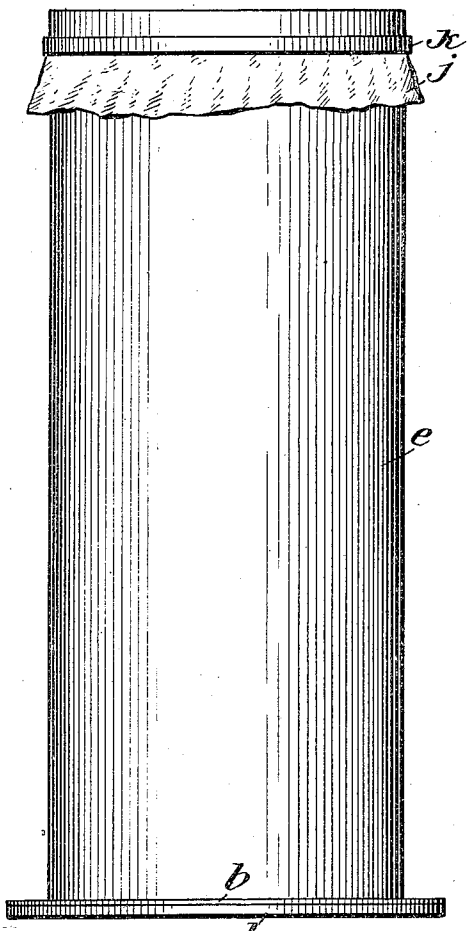


Fig. 1.

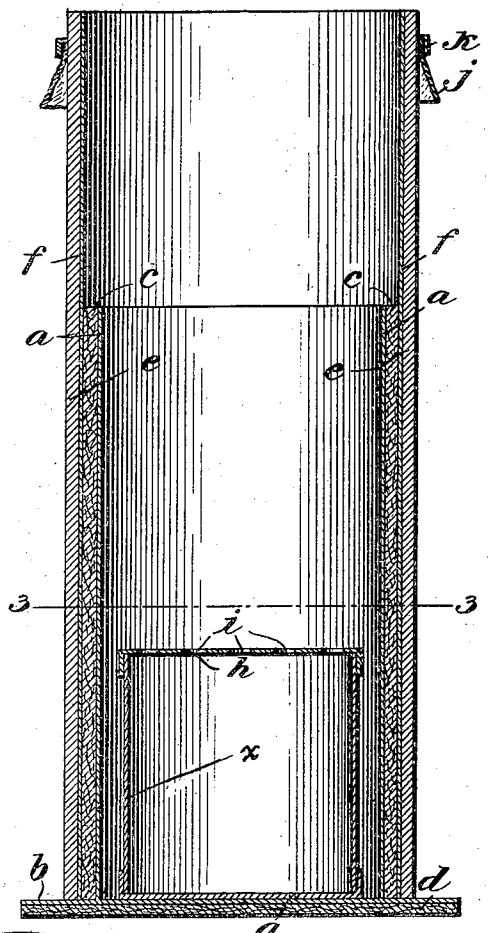


Fig. 2.

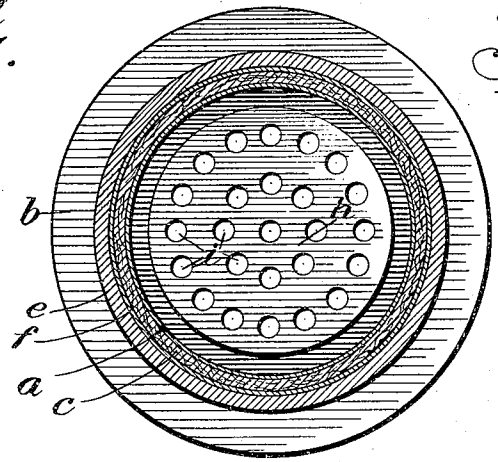


Fig. 3.

Witnesses:
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UNITED STATES PATENT OFFICE.

HARRY JOHN MITTELL, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO JOHN S. BILLINGS, JR., OF NEW YORK, N. Y.

PORTABLE CONTAINER FOR GAS-FORMING CHEMICALS.

No. 896,138. Specification of Letters Patent. Patented Aug. 18, 1908.

Application filed May 3, 1907. Serial No. 371,752.

To all whom it may concern:

Be it known that I, HARRY JOHN MITTELL, a citizen of the United States, residing in the city of New York and State of New York, have invented a new and useful Portable Container for the Holding of Gas-Forming Chemicals.

My invention relates to improvements in a portable container of gas-forming chemicals in which a metal cylinder with metal bottom, and strawboard cylindrical extension, or telescopic slide, covered inside with paraffin, is used to hold a dry chemical on which a liquid chemical is poured, producing fumigating gases; and the object of my improvements is, first, to provide a simple and convenient device to hold those chemicals used in fumigation; second, to use strawboard in place of metal, reducing the weight of the device so that a nurse can easily carry it; third, to prevent the overflowing of chemicals which may do damage to the contents of rooms in process of fumigation. I attain these objects by the device illustrated in the accompanying drawing in which—

Figure 1 is a vertical view of the entire portable container; Fig. 2 is a vertical section of the entire portable container; Fig. 3 is a sectional plan on the line 3—3, Fig. 2.

Similar letters refer to similar parts throughout the several views.

The metal cylinder *a*, used to hold chemicals, and its bottom *b*, consisting of a separate flat disk of metal soldered or otherwise tightly attached to the wall of *a*, form the metal parts of the portable container. The diameter of this metal cylinder *a* is one-half of its altitude, and the diameter of its bottom *b* is greater than the diameter of *a*. The outside of *a* and the underside of *b* are covered with asbestos sheets about one-eighth of an inch thick, marked *c* and *d* respectively. The bottom *b* rests on the floor or ground. Fitting closely around *a* is a cylinder made of strawboard, *e*, which is covered on its inner surface with a coat of paraffin, *f*. The altitude of *e* is one-third again as high as that of *a*. When the portable container is not in use, *e* rests on *b*, which extends beyond the wall of *a*, as shown in Figs. 1 and 2. When the portable container is in use, *e*, which fits very closely around *a*, is made to extend upwards sliding on the asbestos covering, *c*, after the fashion of a telescope, and remains in place because of its close fit.

Inside the above described metal and strawboard cylinders, *a* and *e*, respectively, and resting on *b*, there is a small tubular cardboard box, *x*, for the purpose of holding dry chemicals. The diameter of *x* is four-fifths that of *a*, and its altitude is less than half the altitude of *a*. *x* has a cardboard bottom, *g*, and a flat metal top, *h*, with perforations, *i*. A piece of cheesecloth, *j*, held in place by a rubber or metal band, *k*, is stretched across and entirely covers the top of the portable container.

The various proportions stated in this specification are those which I have found most convenient in practice. But an exact adherence to them is not an essential part of the invention. They may be modified, provided the general arrangement of parts before described which enable me to accomplish the desired results, be preserved.

What I claim as my invention and desire to secure by Letters Patent, is:

1. In a portable container, the combination with a cylindrical can covered by asbestos, of a paraffin lined and cheesecloth capped strawboard cylinder capable of sliding upon said can, and a receptacle covered by a perforated top and capable of resting within said can, substantially as described and for the purposes specified.

2. In a portable container, the combination of a metal cylinder having an exterior asbestos covering and a broad metal bottom, a tubular cardboard box having a perforated metal top, which box is capable of resting within and on the bottom of said metal cylinder, with a strawboard cylinder having a paraffin lining and a cheesecloth cover, which strawboard cylinder is capable of sliding up and down upon said metal cylinder, substantially as described and for the purposes specified.

H. JOHN MITTELL.

Witnesses:
R. W. SMITH,
J. DEXTER CROWELL.