(No Model.)

E. H. COOKE & H. T. SEYMOUR.

HERMETICALLY SEALED TIN CAN, CANISTER, &c.

No. 310,989. Patented Jan. 20, 1885.

Fig. 1

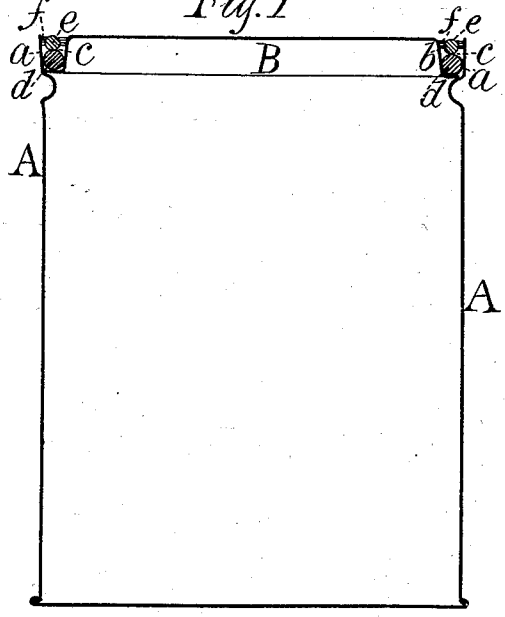


Fig. 2

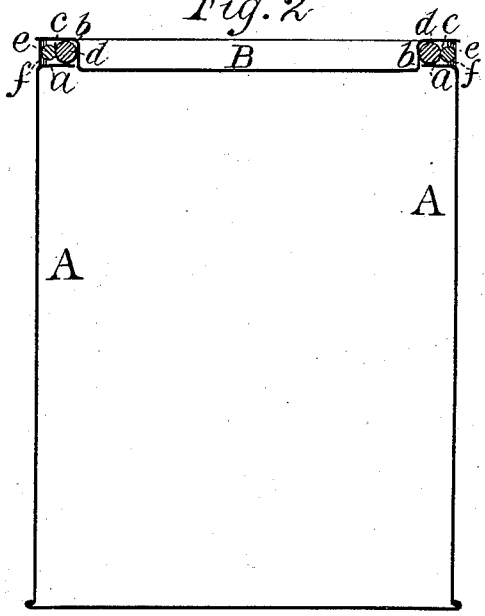


Fig. 3

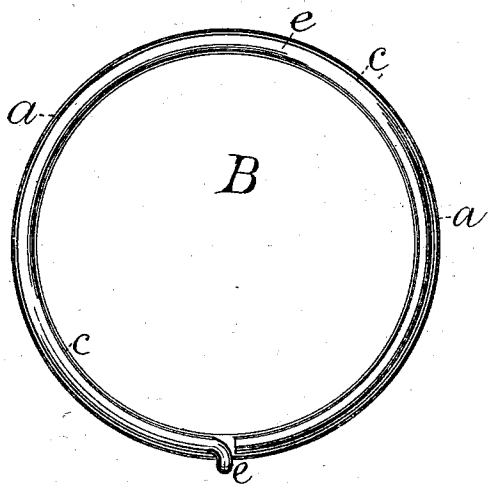
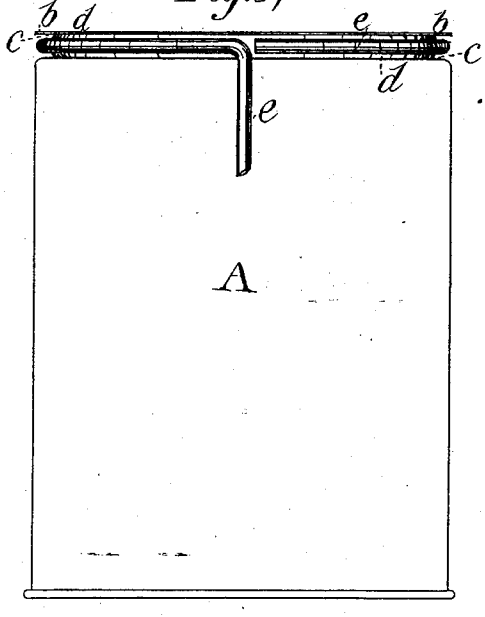


Fig. 4



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UNITED STATES PATENT OFFICE.

EDWARD HEWITT COOKE AND HENRY TOWGOOD SEYMOUR, OF CORK, IRELAND.

HERMETICALLY-SEALED TIN CAN, CANISTER, &c.

SPECIFICATION forming part of Letters Patent No. 310,989, dated January 20, 1885.

Application filed June 18, 1884. (No model.)

To all whom it may concern:

Be it known that we, EDWARD HEWITT COOKE and HENRY TOWGOOD SEYMOUR, subjects of the Queen of Great Britain, residing at Cork, Ireland, have invented new and useful Improvements in Hermetically-Sealed Tin Cans, Canisters, and the like for containing Alimentary and other Substances, of which the following is a specification.

This invention relates to improvements in tin cans, canisters, and the like for containing alimentary and other substances, whereby the lid is so sealed or fastened to the can that it can be opened by pulling a wire or its equivalent without requiring the use of a separate opener.

In carrying out our invention the sealing or closing may be effected either on the top or on the upper edge of the side of the can or other vessel, the lid and the can being formed with a rim in such a manner that a channel or trough is left between the lid and the can at the joint. In this channel or trough, and all round the same, we place a piece of cord, twine, or other suitable packing, fitting between the rim of the can and the rim of the cover or lid. On this said cord, twine, or other packing we then place a piece of wire, which passes all round the channel or trough, the end or ends projecting so as to give sufficient hold for the fingers to pull upon when the can is to be opened. Solder is now run in and passes on each side of the wire and attaches itself to the rim on the cover or lid and to the rim on the can or canister. The cord or its equivalent acts as a kind of packing under the wire and prevents the solder from passing under the wire and attaching the cover directly to the body of the can or canister. In practice we have found one soldering sufficient.

In order to enable our invention to be fully understood, we will proceed to describe the same by reference to the accompanying drawings, in which—

Figure 1 is a sectional elevation of a tin can or canister constructed and hermetically sealed according to our invention, the sealing or closing being effected on the top. Fig. 2 is a similar view, showing the sealing or closing effected on the upper edge of the side of the can. Fig. 3 is a plan of Fig. 1 before soldering, and Fig. 4 is an elevation of the can shown in Fig. 2 before soldering.

Similar letters in all the figures represent similar parts.

a represents the rim on the can A; *b* the rim on the lid B, so as to leave, when the lid is applied to the can, the channel *c*. *d* is the packing, of cord, twine, or other suitable material, placed between the rims *a* and *b*. *e* is the wire which we place on the packing *d*, the said wire passing all round the channel or trough *c* and the end projecting as shown in Figs. 3 and 4. The parts being in this position, the solder *f* is now run in and passes on each side of the wire *e*, as shown, and attaches itself to the rim *b* on the cover or lid B, and to the rim *a* on the can or canister A.

To open a can or canister closed or sealed as hereinbefore described and shown in the drawings it is merely necessary to pull the projecting end or ends of the wire *e*, and it can be readily stripped, as the slight soldering at *f* gives way easily, and the cover or lid B can then be lifted off.

Having now particularly described and ascertained the nature of our said invention, and in what manner the same is to be performed, we declare that what we claim is—

1. The means described for hermetically sealing tin cans, canisters, and the like, and for preventing the attaching of the cover directly to the body of the can, consisting of a packing, *d*, of twine or its described equivalent, placed in a channel or trough between the lid and can, and of a wire, *e*, soldered in the same channel above said cord, all as set forth.

2. In a tin can, canister, or the like for containing alimentary and other substances, the combination of a channel or trough such as *c*, packing *d*, and wire *e*, having a projecting end or ends, substantially as and for the purposes set forth.

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