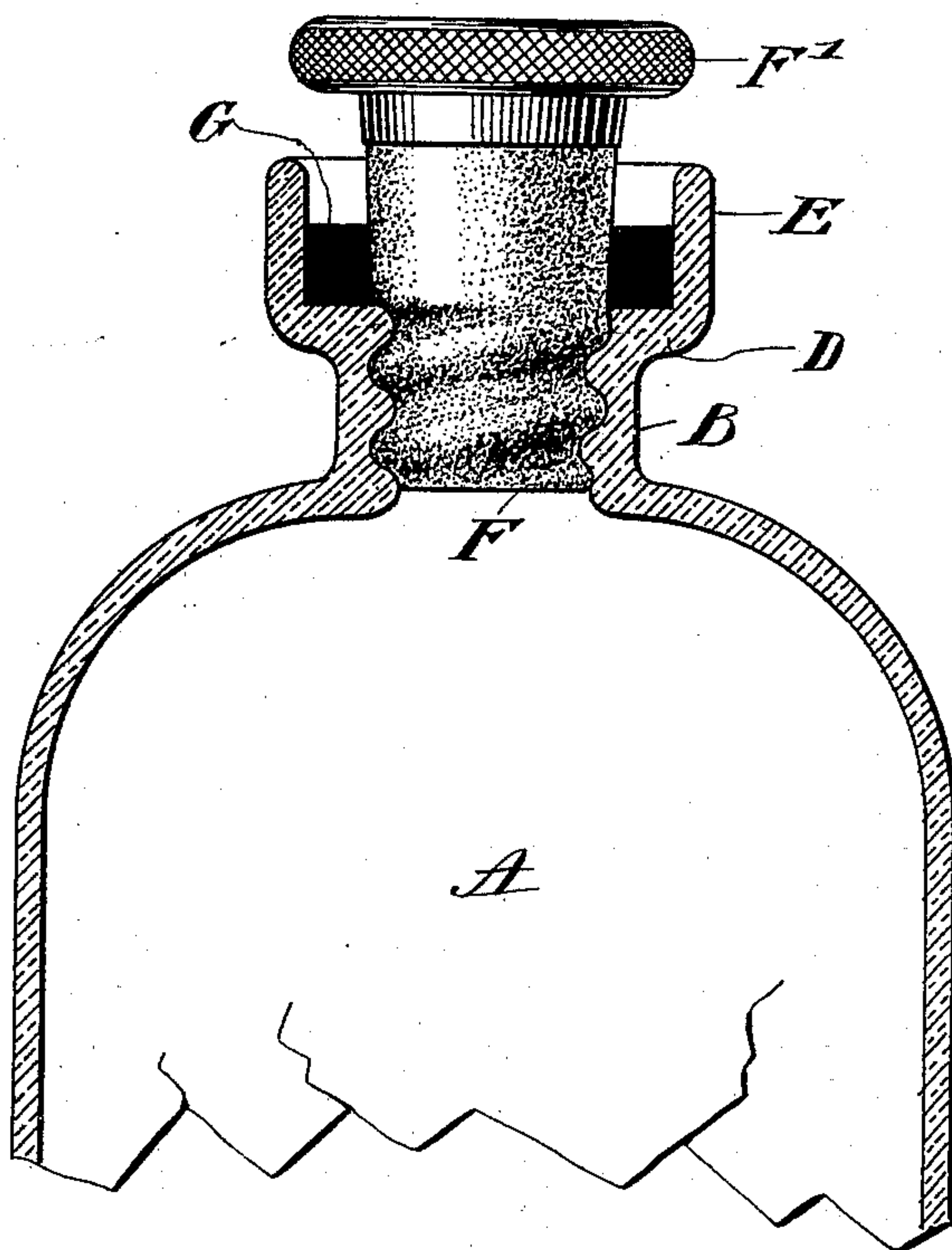


(No Model.)

W. WALKER.
BOTTLE STOPPER.

No. 604,443.

Patented May 24, 1898.



WITNESSES:

Frank L. Ober.
James M. Oswald.

INVENTOR:

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WILLIAM WALKER, OF SUMMIT, NEW JERSEY.

BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 604,443, dated May 24, 1898.

Application filed October 1, 1897. Serial No. 653,699. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM WALKER, a citizen of the United States, residing at Summit, county of Union, State of New Jersey, have invented certain new and useful Improvements in Bottle-Stoppers, of which the following is a full, clear, and exact description.

My invention relates to an improvement in stoppers for bottles and like vessels.

The object of my invention is to provide a simple, inexpensive, and effective means for hermetically sealing a bottle or like vessel.

The accompanying drawing forms part of this application, and illustrates in vertical section the upper part of a bottle provided with my stopper.

A is a bottle or other liquid-receptacle which it is desirable to hermetically seal.

B is the neck of the bottle, the same being internally screw-threaded.

D is an offset at the upper end of said neck B and carrying an annular upwardly-directed flange E of greater internal diameter than the internal diameter of said neck.

F is a cork, and F' a handle at the upper end of said cork.

G is a washer of suitable sealing substance.

The operation of sealing the vessel A comprises, first, screwing the cork F securely into the neck of the bottle, as shown, and, second, pouring into the annular channel between said cork and the inner wall of the flange E a suitable sealing substance—such as paraffin, sealing-wax, or the like.

From the above it will be seen that the

screw-threads on the inside of the neck prevent the cork from pulling out unless the cork is turned, and this cannot be done so long as the washer G is intact. Thus the screw-threads and washer G coact to prevent the removal of the cork. The washer G when cool also acts to hermetically seal the vessel, for the reason that when poured into place it is in a substantially liquid or melted state and fills every interstice through which air might escape. The flange E projects to a sufficient height, so that in connection with the enlarged handle F' the washer G is protected against injury.

When it is desired to open the bottle, the paraffin washer is cut by a thin blade inserted through the space between the handle F' and the flange E.

What I claim is—

Means for hermetically sealing bottles, comprising, in combination, a vessel having a neck, a shouldered offset at the upper end of said neck, an annular flange of greater internal diameter than the diameter of said neck, said flange being upwardly directed to afford a holding-surface, a cork in said neck, a screw-fastening between the same, and a hardened, non-resilient sealing substance between and engaging the said cork and the inner holding surface or wall of said flange and entering the interstices of the same.

WILLIAM WALKER.

Witnesses:

JAMES WALKER,
R. C. MITCHELL.