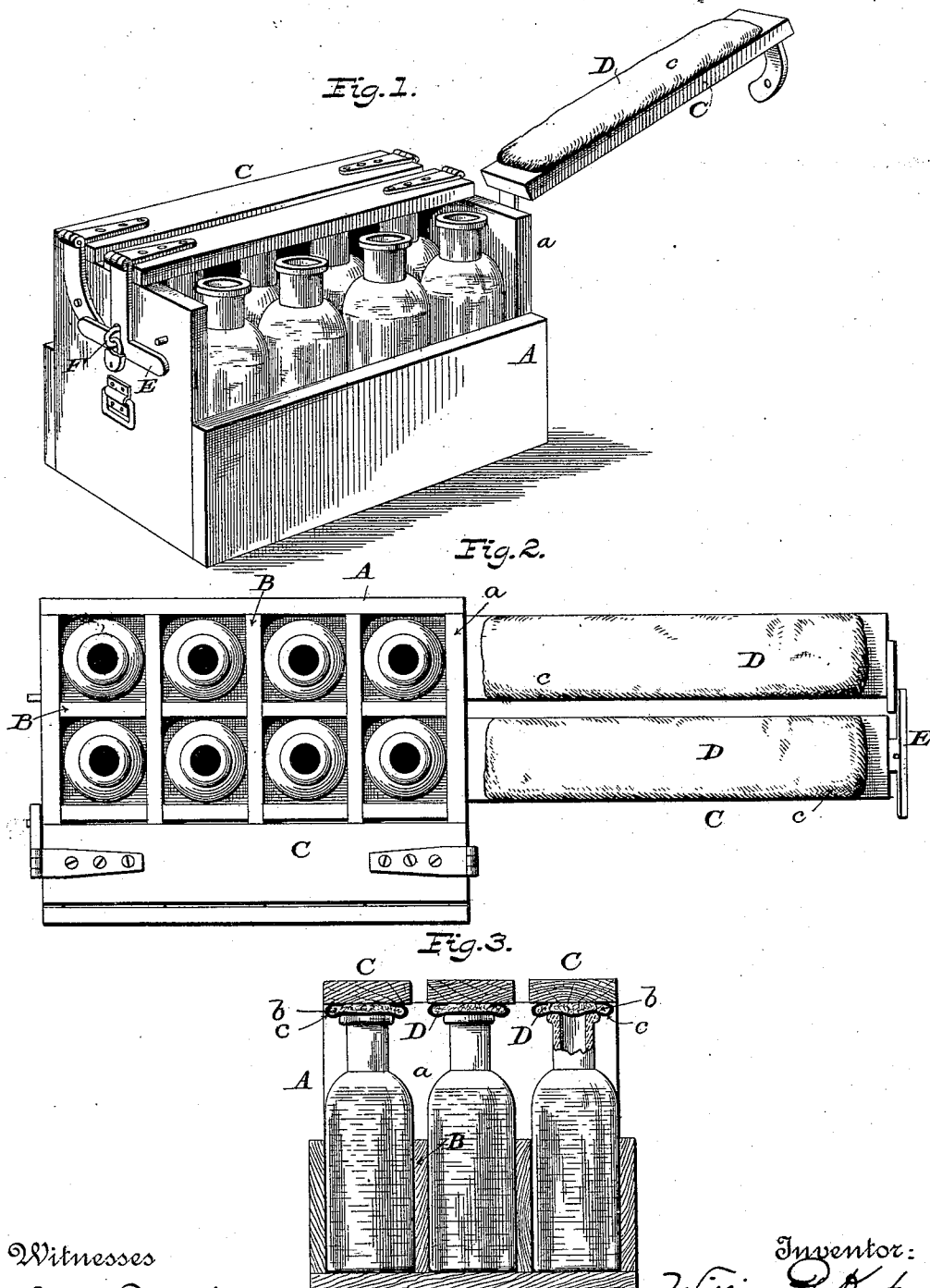


(No Model.)

W. P. KOOKOGY.
SHIPPING CASE.

No. 407,957.

Patented July 30, 1889.



Witnesses

James F. Duffnell
Matter A Dodge

Inventor:

William P. Kookogy,
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UNITED STATES PATENT OFFICE.

WILLIAM P. KOOKOGEY, OF BROOKLYN, NEW YORK, ASSIGNOR TO THE
KOOKOGEY ELECTRIC COMPANY.

SHIPPING-CASE.

SPECIFICATION forming part of Letters Patent No. 407,957, dated July 30, 1889.

Application filed June 8, 1887. Serial No. 240,645. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM P. KOOKOGEY, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Shipping-Cases, of which the following is a specification.

My invention relates to shipping-cases for bottles, and is designed more especially for the shipping of large bottles containing solutions for electrical batteries.

The invention consists in a novel construction of such cases, as hereinafter more fully set forth and claimed.

In the annexed drawings, Figure 1 is a perspective view of a case designed to carry twelve bottles and having its cover or top made in three sections, each covering and holding four bottles, one of the sections being elevated to show its underface. Fig. 2 is a top plan view of the case with two of the sections of the cover thrown back; Fig. 3, a vertical transverse section of the case.

Heretofore much difficulty has been experienced in successfully shipping battery solution and other liquids, particularly such as contain acid or other matters capable of destroying ordinary bottle-stopping appliances. To remedy this difficulty, rubber stoppers have in some cases been used; but where the bottles are large, as is usually the case in the use mentioned, the cost of the stoppers adds greatly to the expense, besides being somewhat unsatisfactory in other respects. Ordinary corks are affected by the solution, and hence are unsuitable. I avoid the expense of the rubber stoppers and secure various advantages over the ordinary methods of packing by the construction illustrated in the drawings, in which—

A indicates a packing-case, which is divided into cells or compartments by cross-partitions B, as indicated in Figs. 2 and 3, the sides being usually made of somewhat less height than the bottles or than the ends of the case to expose the bottles to view. To one of the ends *a* of the case, or it may be to one of the sides, in which case the side would need to be carried to the top of the case, is

hinged a cover C, which is made in two or more sections.

The ends of the box are made slightly higher than the bottles themselves, in order to leave space between the under face of the cover or cover-sections and the mouths of the bottles, and the under face of the cover or of each section of the cover is provided with a cushion D, of hair, tow, or other suitable material *b*, covered or faced with sheet-rubber *c*, which may be cemented, tacked, or otherwise secured to the cover or cover-sections. The cushion or cushions should be of such thickness and elasticity as to permit the mouths of the bottles to embed themselves to a suitable extent into the cushions, so as to insure the effectual closing of each and every bottle, notwithstanding the slight variations in height which are commonly met with in such bottles, and the rubber facing should be of a width to lap over or extend beyond the outer edges of the bottle-mouths to insure a perfect covering thereof. Under this construction it is only necessary to fill the bottles as full as may be desired, place them in the case, and press down the cover or cover-sections upon them, fastening said cover or sections by any suitable means—as, for instance, a hasp E, passing over a staple F and secured by means of a padlock or other fastening.

One fastening may be made to secure the several sections by arranging a cross-bar to swing over the several hasps, or making one hasp with wings or extensions to reach across the others, so that when the hasp provided with extensions is secured by its padlock or other fastening it shall hold down those of the other hasps across which it extends.

The box will advisably be furnished with bails or handles for convenience of handling, and they may be made of any suitable material and of any design or size to suit the particular purpose for which it is intended.

I am aware that inkstands have been made with a cover containing a spring-sustained disk to cover and close the mouth of the ink-bottle; and I am also aware that a bottle-case

has been made with a series of elastic disks for the mouths of the bottles to rest against, and a series of set-screws to press and hold the bottles against the disks. These I dis-

5 claim, as heretofore known and used.

Having thus described my invention, what I claim is—

10 In a shipping-case, the combination of a box or body A, divided by partitions B into cells or compartments, each adapted to receive a bottle, and a cover composed of independent sections, each section extending over

one row of compartments and provided on its under face with a cushion having an impervious facing or covering to rest upon and close 15 the mouths of the bottles in the row of compartments beneath.

In witness whereof I hereunto set my hand in the presence of two witnesses.

WM. P. KOOKOGHEY.

Witnesses:

WILLIAM W. DODGE,

T. W. SORAN.