No. 678,101. Patented July 9, 1901.

J. W. COWAN.

PACKAGE OF DENTAL FLOSS.

(Application filed May 18, 1901.)

(No Model.)

Fig. 1.

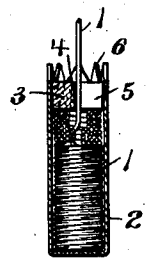


Fig. 2.

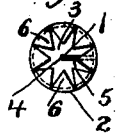


Fig. 3.



Attest:
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES W. COWAN, OF GENESEO, NEW YORK.

PACKAGE OF DENTAL FLOSS.

SPECIFICATION forming part of Letters Patent No. 678,101, dated July 9, 1901.

Application filed May 18, 1901. Serial No. 60,799. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. COWAN, a citizen of the United States, residing at Geneseo, county of Livingston, and State of New York, have invented certain new and useful Improvements in Packages of Dental Floss, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

This invention relates to certain improvements in packages of dental floss, and has for its object to produce a package which shall be cheap and compact, which shall contain a large quantity of floss in proportion to its size, which shall be of such a character that the floss may, if desired, be treated with an antiseptic and when thus treated retain its antiseptic qualities, and which shall be attractive in appearance, so as to be readily salable.

Referring to the drawings, Figure 1 is a sectional side elevation of the improved package. Fig. 2 is a plan view, and Fig. 3 is a sectional view.

In the drawings, 1 indicates a cop of floss, said floss being arranged, as shown, to unwind from the center outward. The cop of floss is inclosed within a casing 2, which may be of any suitable configuration and made of any desired material. Preferably, however, the casing will be cylindrical in form.

It is frequently desired to treat the dental floss with an antiseptic, and for this purpose the casing will preferably be formed from an impermeable material. While various materials—such, for instance, as glass—may be employed, aluminium on account of its non-corrosive qualities, its lightness, and its attractive appearance is preferred.

The casing 2 is provided with a mouth or opening which is of such a size as to permit the cop of floss to be inserted therein after it is wound and the cop fit snugly within the casing, being held therein by suitable retaining means. In the construction shown the retaining means consists of a stopper 3, which may and preferably will be formed of cork. The floss will be unwound from the casing through one of its ends, and in the preferred construction the stopper 3 will be provided with a perforation 4, through which the thread of floss passes. Preferably, also, and as shown the stopper will be provided with a slit 5, extending its edge into the perforation, so that the thread of floss may be readily passed from the side of the stopper into the perforation.

While the stopper may, if desired, be held in position in the mouth of the casing by friction, it will preferably be held therein by bending over the edge of the casing. In the construction shown the casing is provided with flexible retaining-points 6, which are bent over the stopper and prevent it from being drawn out as the floss is withdrawn from the casing.

What is claimed is—

1. A package of dental floss comprising a cop of floss wound so as to unwind from the center outward, a casing in which the cop fits snugly, said casing having a mouth of a size to permit the cop to be inserted therein after it is wound, and means for closing the mouth of the casing, the floss being unwound from the casing through one of its ends, substantially as described.

2. A package of dental floss comprising a cop of floss wound so as to unwind from the center outward, a casing of impermeable material in which the cop fits snugly, said casing having a mouth of a size to permit the cop to be inserted therein after it is wound, and means for closing the mouth of the casing, the floss being unwound from the casing through one of its ends, substantially as described.

3. A package of dental floss comprising a cop of floss wound so as to unwind from the center outward, a casing in which the cop fits snugly, said casing having a mouth of a size to permit the cop to be inserted therein after it is wound, and a perforated stopper for closing the mouth of the casing, the floss being unwound through said stopper, substantially as described.

4. A package of dental floss comprising a cop of floss wound so as to unwind from the center outward, a casing of impermeable material in which the cop fits snugly, said casing having a mouth of a size to permit the cop to be inserted therein after it is wound, and a perforated stopper for closing the mouth of the casing, the floss being unwound through said stopper, substantially as described.

5. A package of dental floss comprising a

cop of floss wound so as to unwind from the center outward, a casing in which the cop fits snugly, said casing having a mouth of a size to permit the cop to be inserted therein after it is wound, and a perforated stopper for closing the mouth of the casing, said stopper having a slit extending from the edge of the same into the perforation, whereby the thread of floss may be passed from the side of the stopper into the perforation and be unwound from the casing through the perforation, substantially as described.

6. A package of dental floss comprising a cop of floss wound so as to unwind from the center outward, a casing of impermeable material in which the cop fits snugly, said casing having a mouth of a size to permit the cop to be inserted therein after it is wound, and a perforated stopper for closing the mouth of the casing, said stopper having a slit extending from the edge of the same into the perforation, whereby the thread of floss may be passed from the side of the stopper into the perforation and be unwound from the casing through the perforation, substantially as described.

7. A package of dental floss comprising a cop of floss wound so as to unwind from the center outward, a metallic casing in which the cop fits snugly, said casing having a mouth of a size to permit the cop to be inserted therein after it is wound, and a perforated stopper through which the floss is unwound from the casing, said casing having means for holding the stopper in position, substantially as described.

8. A package of dental floss comprising a cop of floss wound so as to unwind from the center outward, a metallic casing in which the cop fits snugly, said casing having a mouth of a size to permit the cop to be inserted therein after it is wound, and a perforated stopper through which the floss is unwound from the casing, said casing having flexible retaining-points for holding the stopper in position, substantially as described.

9. A package of dental floss comprising a cop of floss so wound as to unwind from the center outward, a metallic casing in which the cop fits snugly, said casing having a mouth of a size to permit the cop to be inserted therein after it is wound, a perforated stopper having a slit extending from the side thereof to the perforation, whereby the floss may be passed through the slit into the perforation, and the floss be unwound from the cop through the stopper, said casing being provided with flexible retaining-points for holding the stopper in position, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JAMES W. COWAN.

Witnesses:
WM. W. BISHOP,
HENRY B. CURTIS.