

No. 885,741.

PATENTED APR. 28, 1908.

H. EMERSON.
DUPLEX TUBE.

APPLICATION FILED JUNE 29, 1907.

Fig. 1.

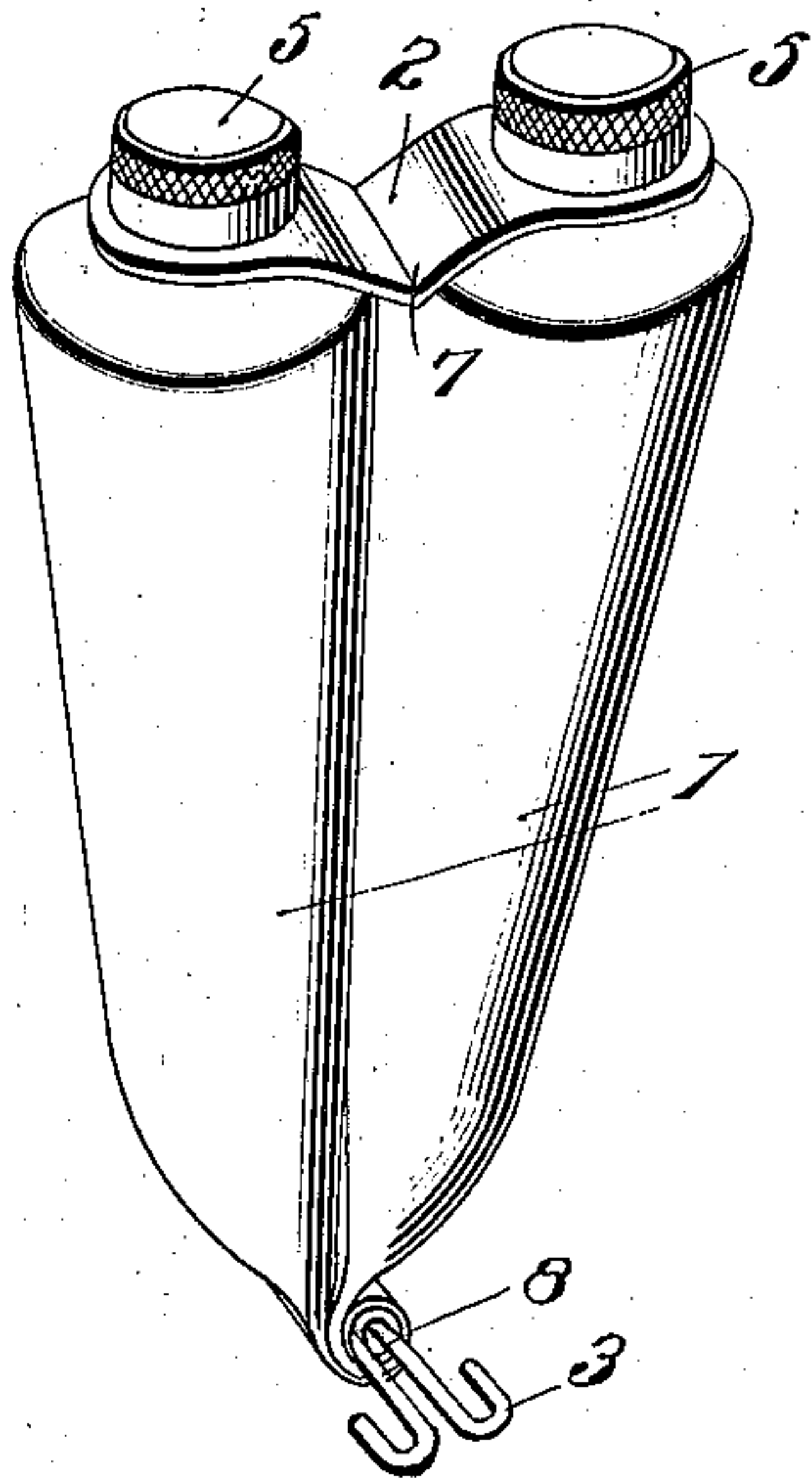


Fig. 2.

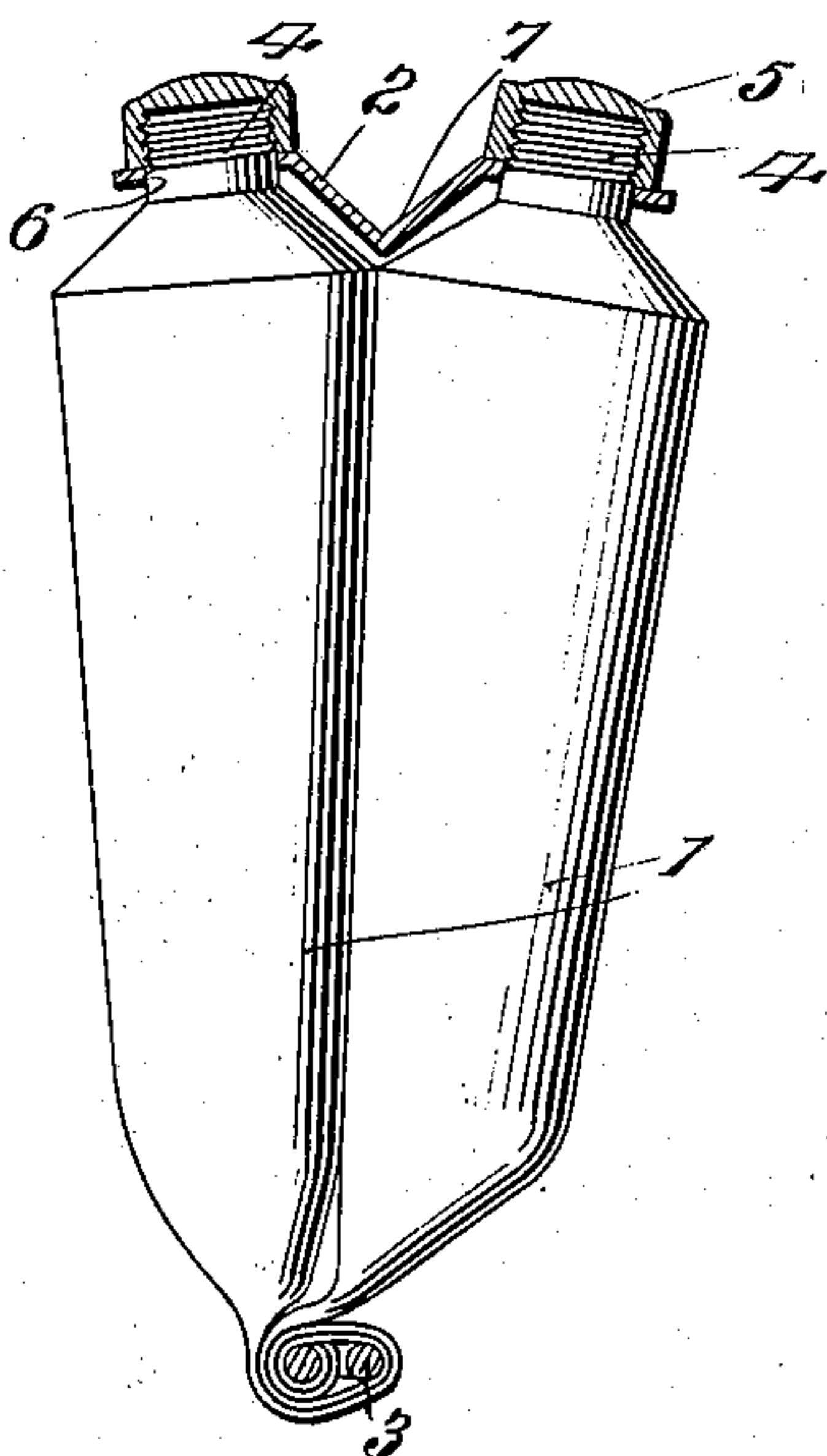


Fig. 3.

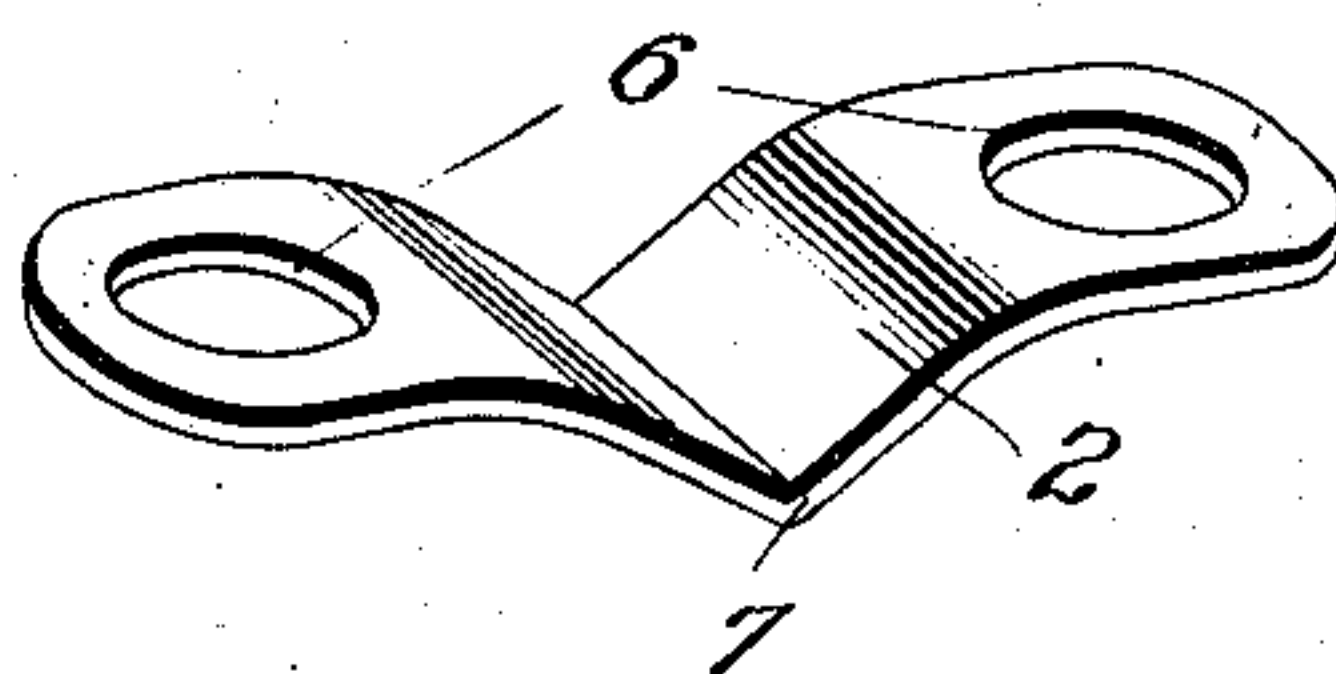
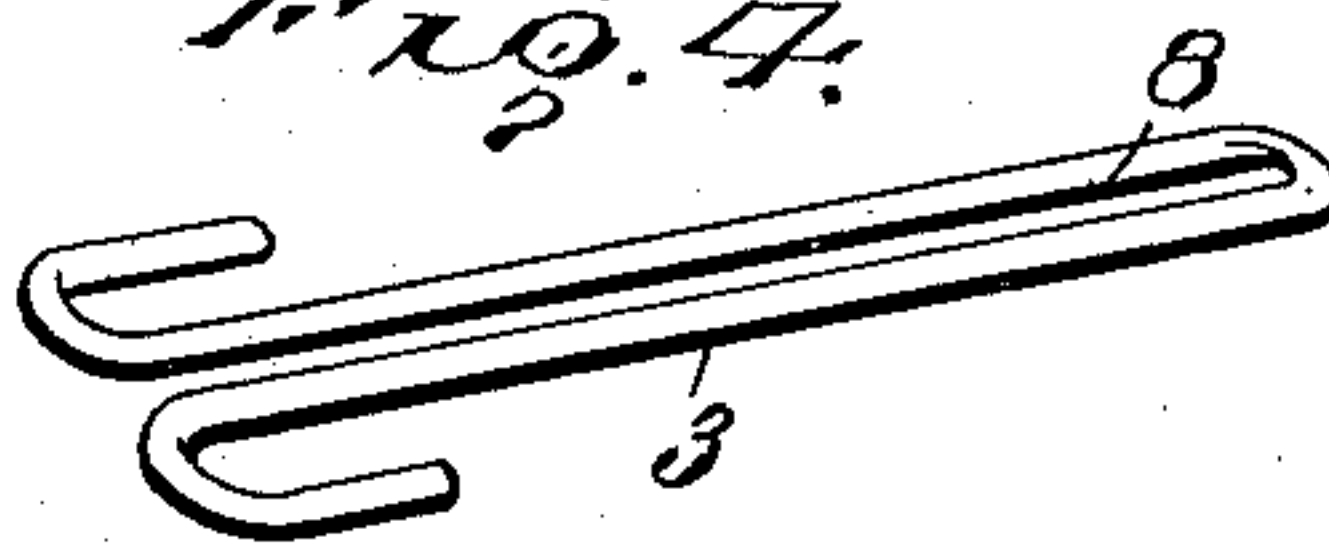


Fig. 4.



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Witnesses

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UNITED STATES PATENT OFFICE.

HOMER EMERSON, OF MILTON, MASSACHUSETTS.

DUPLEX TUBE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HOMER EMERSON, citizen of the United States, residing at Milton, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Duplex Tubes, of which the following is a specification.

This invention provides means for linking a series of tubes of the collapsible type so as to form in effect a single compartment package, the several tubes being collapsed by a key common to all so that the contents of any tube of the series may be obtained by simply removing the cap thereof in the accustomed way.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings.

While the invention may be adapted to different forms and conditions by changes in the structure and minor details without departing from the spirit or essential features thereof, still the preferred embodiment is shown in the accompanying drawings, in which:

Figure 1 is a perspective view of a series of collapsible tubes connected by means embodying the invention. Fig. 2 is a side view, end portions of the tubes being broken away and in section to show more clearly the relation of the coupling or connecting means. Fig. 3 is a detail perspective view of the yoke. Fig. 4 is a detail perspective view of the key.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

It is assumed that the tubes contain a preparation a like amount of which is used from each so that compression resulting from operating the key may expel the contents from the tubes when the caps thereof are removed. The tubes may contain like or different preparations of a character to be positively expelled by subjecting the tubes to internal pressure by collapsing the same from one end. The collapsible tubes 1 are connected at one end by means of a yoke 2 and at the opposite end by means of a key 3 which also serves to roll the ends of the tubes so as to subject the contents thereof to pres-

sure tending to expel said contents upon removal of the caps of the tubes.

The collapsible tubes 1 are of ordinary construction such as employed for holding paste, printer's inks, paints, salves and the like, and provided at one end with a threaded extension 4 to which a screw cap 5 is fitted, the opposite end of the tube adapted to be rolled or otherwise compressed to positively expel the contents from the tube.

The yoke 2 is formed with openings 6 which receive the threaded extensions 4 of the collapsible tubes, said threaded extensions being screwed into the opening 6, whereby positive connection between the yoke and tubes is assured. The yoke is indented at 7 to conform to the space formed between adjacent portions of the shoulders or ends of the tubes at the base of the threaded extensions 4, thereby preventing interference with the caps or with said threaded extensions.

The key 3 is formed with a slot 8 through which the bottom ends of the tubes 1, after being flattened, are passed, said key being turned to effect an initial winding of the flattened ends of the tubes about the same, this being indicated most clearly in Figs. 1 and 2.

It is to be understood that any number of collapsible tubes may be connected in series by extending the yoke 2 and bringing the flattened ends of the tubes together and passing them through the slot 8 of the key. As shown in the drawings, only two tubes are connected in series, forming in effect a multiple tubular package. After the tubes have been collapsed, the yoke and key may be removed and used in connection with other tubes as will be readily understood.

The invention assures having ready at hand tubes containing cooperating preparations, as for instance a cleaning preparation in one and a polishing compound in the other, thereby admitting of cleaning a series of articles preliminary to polishing the same.

Having thus described the invention, what is claimed as new is:

1. A multiple tubular package, comprising a series of collapsible tubes, each having a threaded extension at one end and a flattened portion at the opposite end, a yoke having openings to receive the threaded extensions of the tubes, and a key receiving the flattened ends of said tubes.

2. A multiple tubular package comprising
a series of collapsible tubes, each having a
threaded extension at one end and a flattened
terminal at the opposite end, a key connect-
5 ing the flattened ends of the tubes and adapt-
ed to collapse the same, and a yoke having
openings in which the threaded extensions of
the tube are screwed, said yoke being intend-

ed to fit close to the ends of the tubes be-
tween the threaded extensions thereof.

In testimony whereof I affix my signature
in presence of two witnesses.

HOMER EMERSON. [L. s.]

Witnesses:

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