

No. 665,927.

Patented Jan. 15, 1901.

G. W. PACKER.  
CATCH FOR MOLDING FLASKS.

(Application filed May 7, 1900.)

(No Model.)

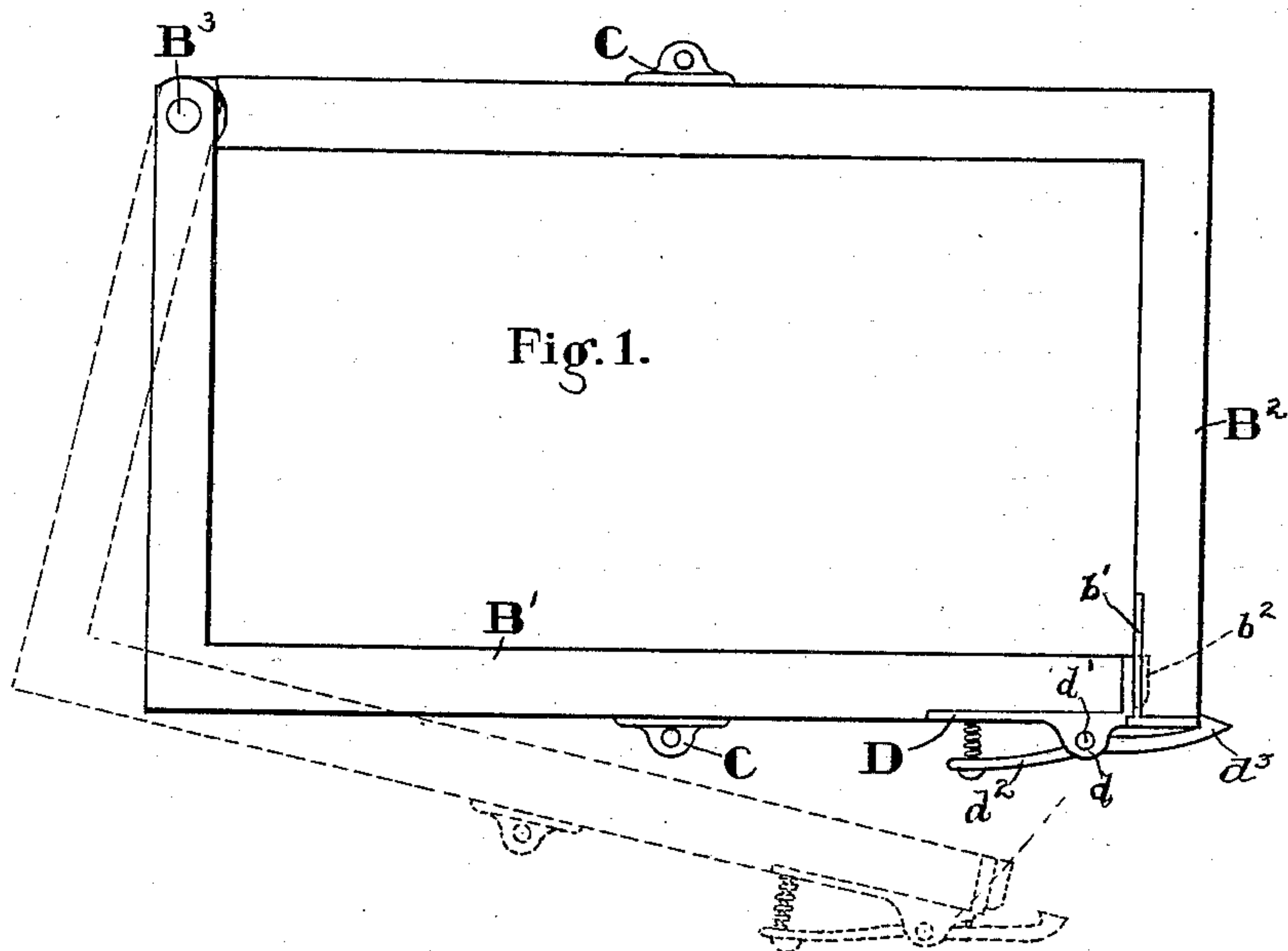


Fig. 3.

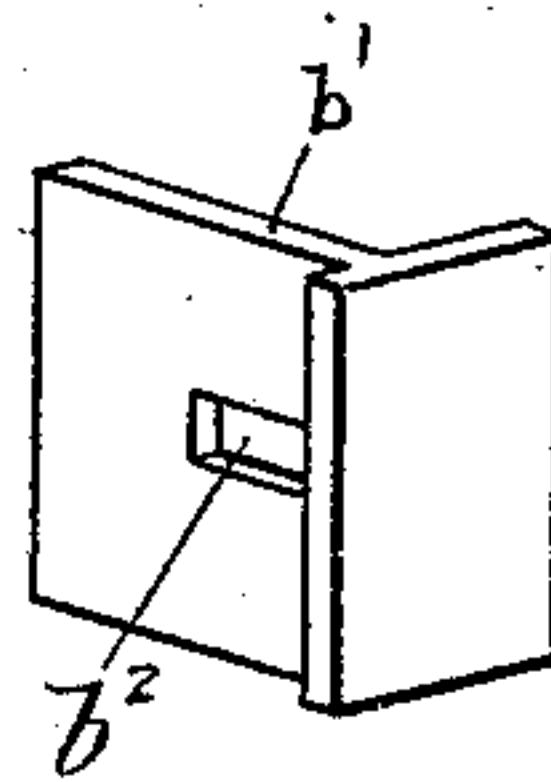
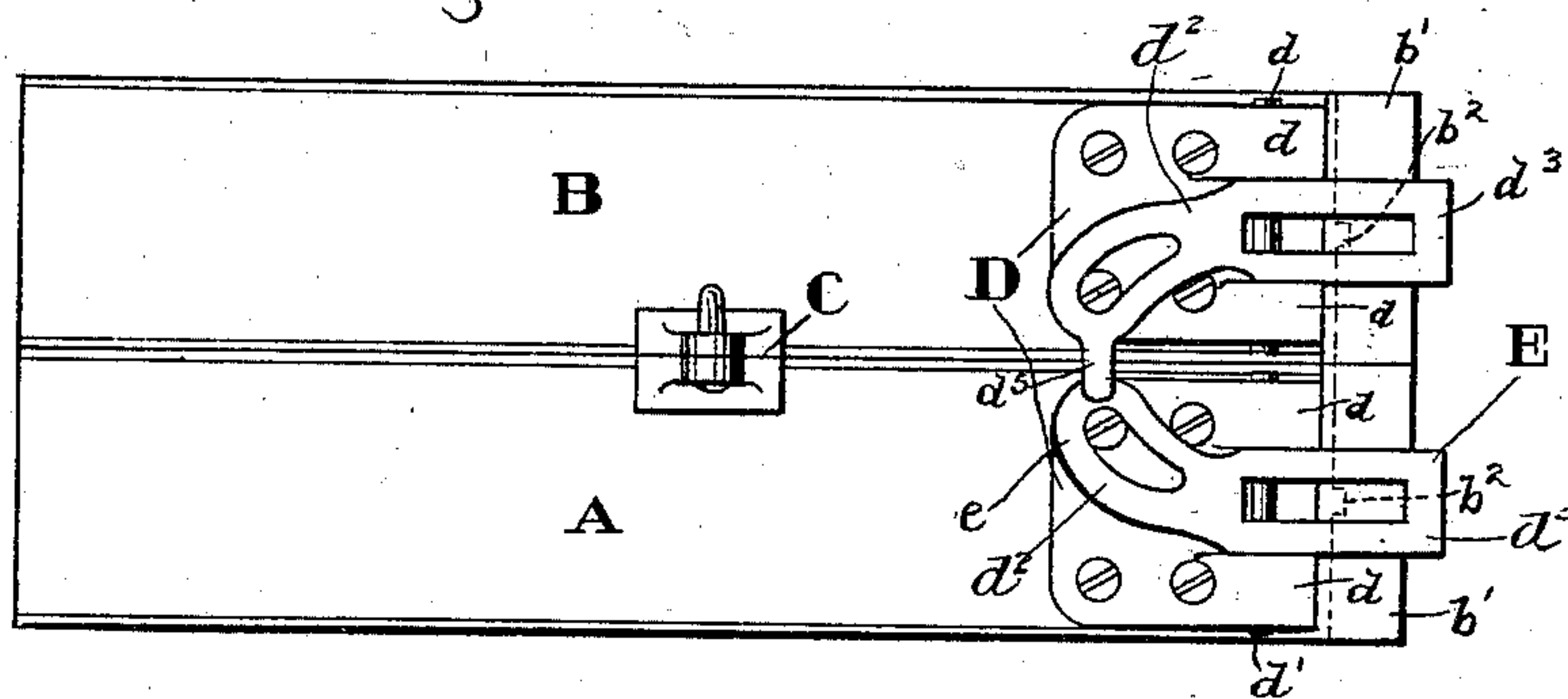


Fig. 2.



Witnesses:

Wm. A. Dreffein,  
John W. Davis

Inventor

George W. Packer

# UNITED STATES PATENT OFFICE.

GEORGE W. PACKER, OF CHICAGO, ILLINOIS.

## CATCH FOR MOLDING-FLASKS.

SPECIFICATION forming part of Letters Patent No. 665,927, dated January 15, 1901.

Application filed May 7, 1900. Serial No. 15,831. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. PACKER, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Catch for Molding-Flasks, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of a molding-flask; Fig. 2, a side view of the same, and Fig. 3 is a detail.

My invention consists in providing a catch for the various sections of a snap-flask by which the two or more parts of the flask may be unlatched simultaneously preparatory to removing them from the said mold. I make each section of a mold as usual—that is, L-shaped—and pivot together, as shown in Fig. 1. At the opposite corner I apply the catches, as also shown in Fig. 1.

In the drawings I have shown only a two-part flask; but the same principle may be availed of when flasks of three or more parts are used.

In the drawings, A may be considered to be the lower section of a snap-flask, and B the upper. Upon the parts A and B are the usual dowels C. I have lettered the L-shaped portions of the flask B' and B<sup>2</sup>, jointed at B<sup>3</sup>. A plate of metal b' is let into the inner surface of the portion B<sup>2</sup> of the flask, passes out beyond the end, and is formed L-shaped, as at B''. In this plate, as shown in dotted lines at b<sup>2</sup>, a socket b<sup>3</sup> is formed. D is a plate of metal secured on the outer side near the end of the piece B' of the flask. On this are formed lugs d. Between these lugs and pivoted by the pin d' is the latch d<sup>2</sup>. The latch is provided with a hook d<sup>3</sup> at one end, and its other end extends along the side of the flask and is provided with a spring adapted to hold it in its locking position. The free end of the latch is also adapted to receive the pressure of the hand. The entire latching device is

5 duplicated in the lower flask, except that on the latch d<sup>2</sup> is an extension d<sup>5</sup>, that lies outside of the end portion e of the latch E upon the flask A.

In operation the portion A of the flask is latched and the pattern rammed up in the usual manner. It is then turned over and the part B, with its parts already latched, is laid upon the part A and the dowels made to enter in the usual manner. The cope of the mold is then rammed up, removed, and the pattern drawn. The two parts of the flask are then placed together and removed to the molding-floor. When the pressure of the hand upon the latch d<sup>2</sup> causes disengagement, not alone of itself, but disengagement of the latch E, then the flask as a whole can be opened out and removed.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A snap-flask having a plurality of sections, each of said sections being formed of parts hinged together, and provided with locks to retain the parts in proper form during the process of molding, the lock of one section being adapted to engage and release the lock of the adjacent section, substantially as described.

2. A snap-flask having a plurality of sections, each section formed of two L-shaped parts hinged together, so as, when in position for use, to form a quadrangle, and said sections being each provided with a lock to hold its parts together, the lock of one section being adapted to engage and release the lock of the adjacent section, whereby the disengagement of one disengages the other, as set forth.

GEORGE W. PACKER.

Witnesses:

WM. A. DREFFEIN,  
JOHN W. DAVIS.