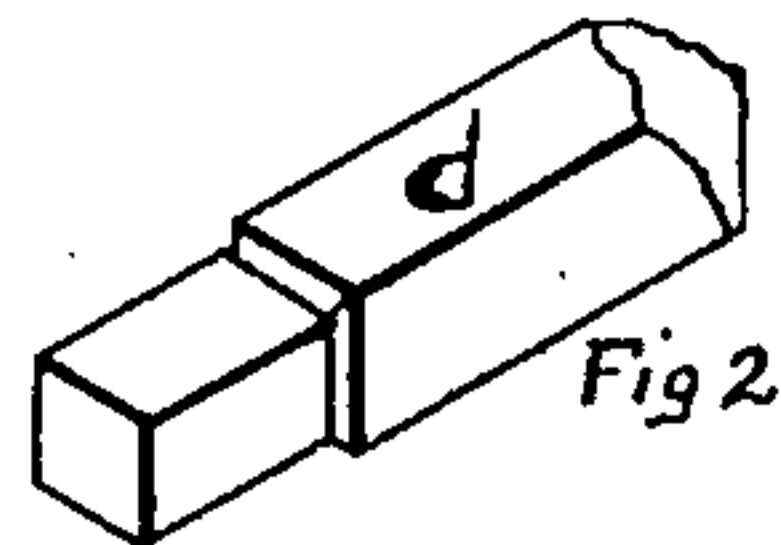
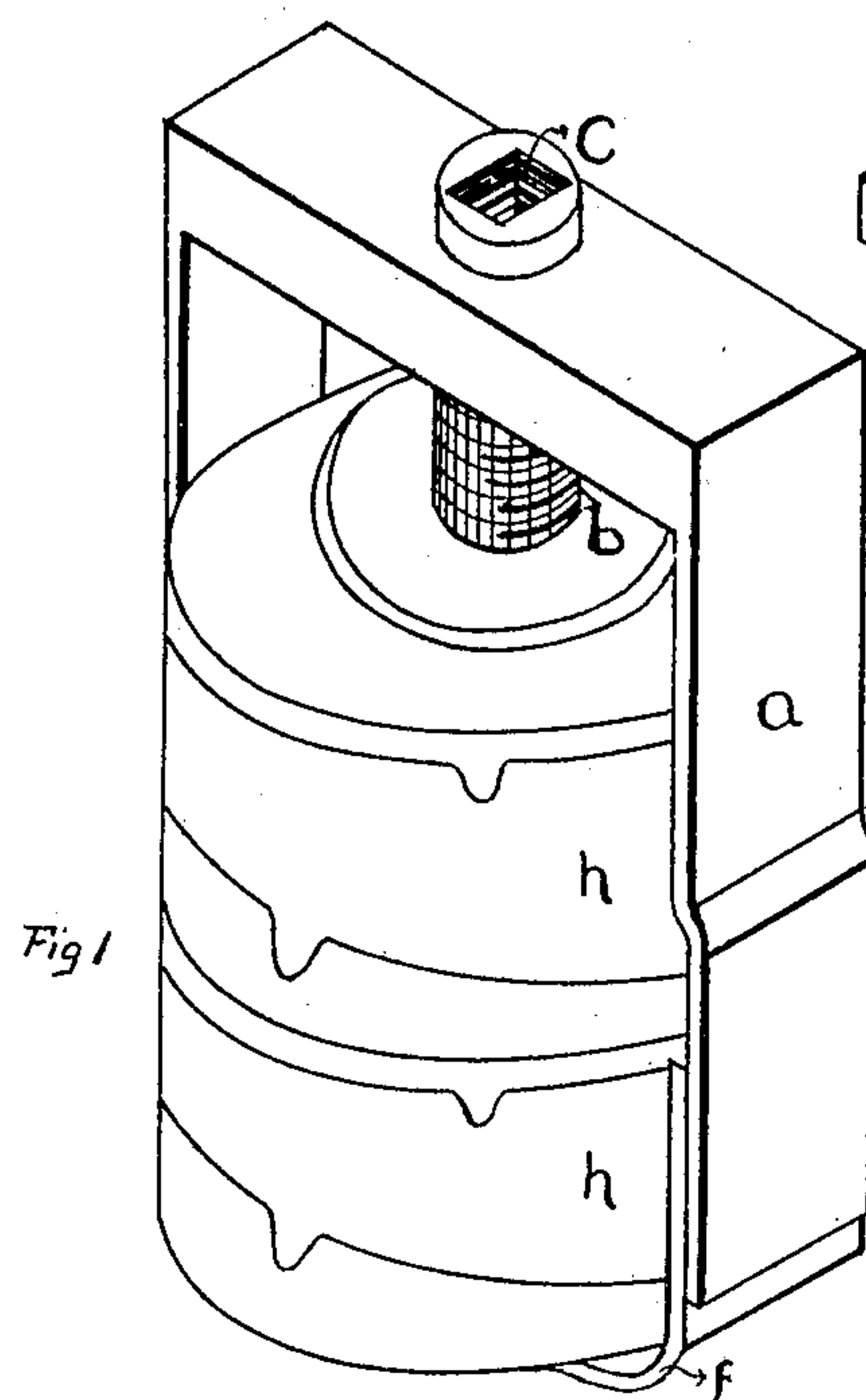
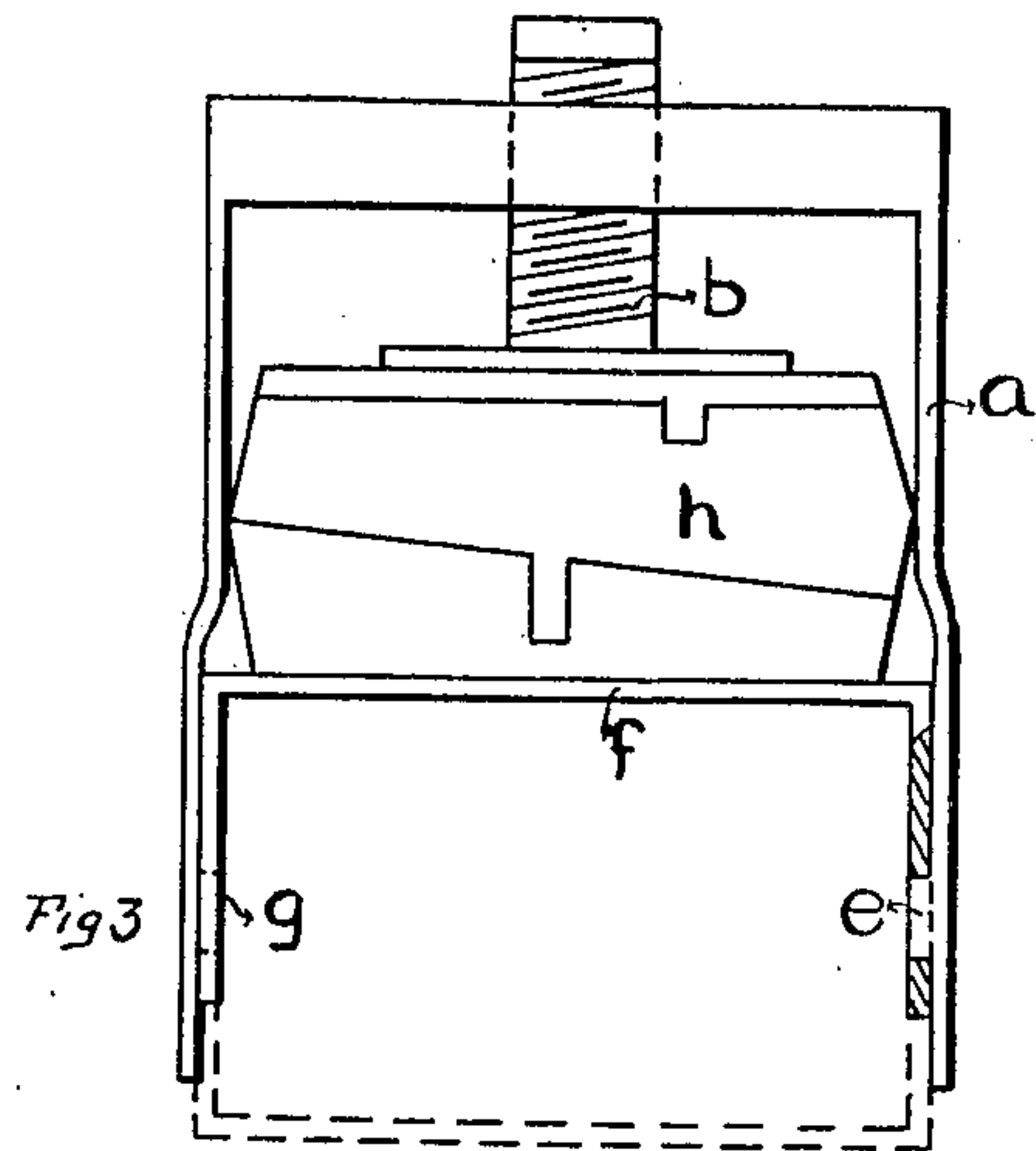


No. 888,185.

PATENTED MAY 19, 1908.

R. E. MUNN.  
FLASK CLAMP.

APPLICATION FILED OCT. 9, 1907.



WITNESSES:

*James E. Munn.*  
*Eugene Pettibone*

INVENTOR

*Ray E. Munn*

# UNITED STATES PATENT OFFICE.

RAY EDWARD MUNN, OF TOLEDO, OHIO.

## FLASK-CLAMP.

No. 888,185.

Specification of Letters Patent.

Patented May 19, 1908.

Application filed October 9, 1907. Serial No. 396,591.

*To all whom it may concern:*

Be it known that I, RAY EDWARD MUNN, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented a new and useful Improvement in Flask-Clamps, of which the following is a specification.

My invention relates to clamps for use by dentists in holding the flasks in which rubber or gutta percha bases for artificial dentures are vulcanized; and its object is to provide new and rapid, and efficient means of adapting the clamps to either one or more flasks. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure (1,) is a perspective view of the flask clamp with all its parts and containing two flasks; Fig. (2,) is a key used in operating the flask clamp, and Fig. (3,) is a vertical side elevation of the flask clamp containing one flask, the shelf being swung upward, a part of the shelf being broken away to show one of the pivots on which the shelf swings. Similar letters refer to similar parts throughout the several drawings.

The clamp frame (a), is a slightly oblong metal frame and open at the lower end. The upper or horizontal portion is, at its center, perforated downwardly with a circular hole in which works, by means of screw threads, a screw press, (b). The upper end of this screw press is provided with a square hole or slot (c) for the reception of the key or wrench (d), shown in Fig. (2), by which the press is screwed down so as to clamp the flask or flasks and by which force is obtained to remove the excess vulcanite and retain the several parts of the flask in position during the process of vulcanizing.

Projecting inwardly from each side of the clamp frame are two lugs (ee), which act as pivots for the swing shelf or base (f). Each of the two arms of this swing shelf or base are pierced with a circular hole (g) of proper size to admit the lugs or pivots (e, e,) on the

clamp frame and on which the swing shelf or base is held in position in said clamp frame and on which the shelf or base is made to revolve. The lugs or pivots are placed directly opposite each other in the frame, and in such a position that, when the shelf is swung down, it furnishes a floor at the bottom of the clamp, giving the clamp a capacity for two flasks, (h, h,) or by being reversed on the pivots, or swung up, the shelf furnishes a floor at about the middle of the sides of the clamp frame and reduces the capacity of the clamp to one flask.

I claim:

1. In a flask clamp for vulcanizing, a frame, a shelf for the flasks pivoted in said frame, and means for clamping the flasks against said shelf, said shelf and clamping means being so situated that when the shelf is turned in one direction, a plurality of flasks may be contained, and when it is turned in the opposite direction a different number of flasks may be contained.

2. In a flask clamp for vulcanizing, a rectangular frame, a shelf with arms pivoted within the sides of said frame, so that the base of the shelf is parallel with ends of said frame, said pivots being so situated in said frame that when the shelf is swung toward one end, one flask may be clamped, by means of pressure against the shelf and when the shelf is swung in the other direction, a different number of flasks may be contained.

3. In a flask clamp for vulcanizing, a "U" shaped frame, a "U" shaped shelf for the flasks pivoted within said frame and for clamping the flasks against said shelf, the same being so pivoted in said frame, that by turning the shelf in different directions, different numbers of flasks may be contained in said flask clamp.

RAY EDWARD MUNN.

Witnesses:

FRED. W. MILLER,  
WALTER F. SCOTT.