May 12, 1925.

1,537,884

W. M. ROMINE ET AL

CLAMP FOR DENTAL FLASKS

Filed July 7, 1923

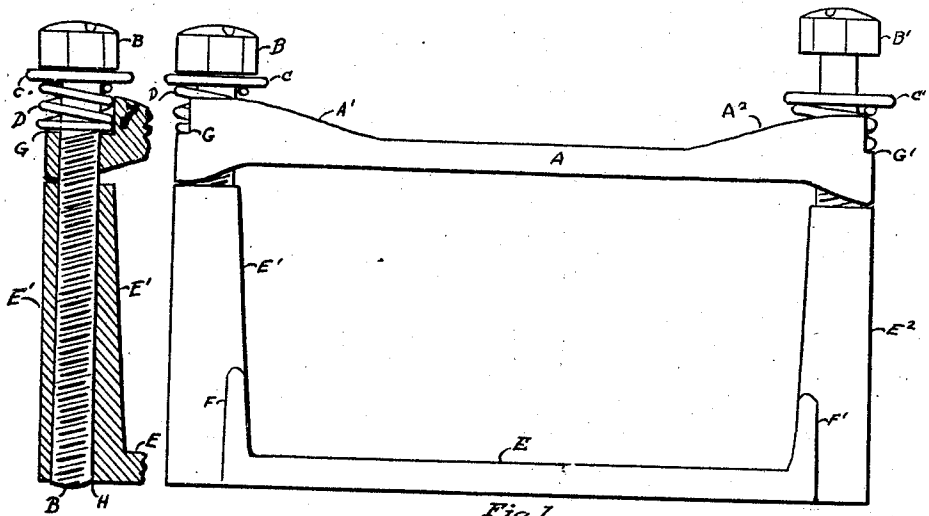


Fig 2

Fig 1

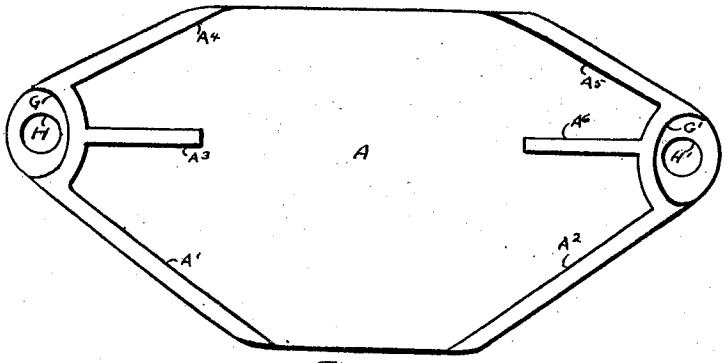


Fig 3

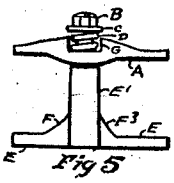


Fig 5

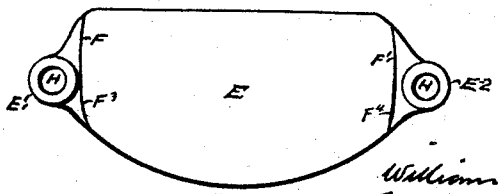


Fig 4

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Patented May 12, 1925.

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UNITED STATES PATENT OFFICE.

WILLIAM M. ROMINE AND WALTER J. CLARK, OF WICHITA, KANSAS.

CLAMP FOR DENTAL FLASKS.

Application filed July 7, 1923. Serial No. 650,180.

To all whom it may concern:

Be it known that WILLIAM M. ROMINE and WALTER J. CLARK, citizens of the United States, residing at Wichita, in the county of Sedgwick and State of Kansas, have invented a new and useful Clamp for Dental Flasks, of which the following is a specification.

Our invention relates to improvements in clamps for dental flasks and the object of our invention, is to provide a clamp for a 4 inch flask, that will let the 4 inch flask by turning it endwise enter a 3 inch vulcanizer.

We attain this object by the construction of a separate clamp as illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the clamp.

Figure 2 is a cross-section of one of the posts of the clamp.

Figure 3 is a top view of the upper plate to the clamp.

Figure 4 is a top view of the lower plate of the clamp, reduced in size.

Figure 5 is an end view of the clamp reduced in size.

Similar reference figures refer to the same parts in the several illustrations.

In Figure 1, A the top plate of the clamp, is reinforced by braces A′ and A^2 better shown in Figure 3 as A. 1, 2, 3, 4, 5, 6, prime, B, B′ are set screws that extend in the hollow post the full length of the post, better illustrated by Figure 2. G, D, and washer C form means for retaining a coil spring on the upper plate A, and E′ and E^2 are the hollow upright posts adapted to receive the setscrews. In Figure 4, H and H′ are the holes adapted to receive the threaded setscrews full length. E′ E^2 E is the lower plate having F, F′, F^2, F^3, as braces. In Figure 5 the several letters refer to the same parts as in the other views.

Having thus described our invention what we want to protect by Letters Patent is:

1. A clamp for dental flasks, consisting of a lower plate provided with hollow, internally threaded posts adapted to receive set screws their full length, and an upper plate, provided with seats for coil springs around circular openings in opposite ends of the plate, with two coil springs and setscrews, substantially as shown and described.

2. A dental flask clamping press, consisting of two diamond shaped plates, one of which, having an upright hollow standard, of equal length on each end of the plate, the interior of each standard being threaded its full length, the other plate being provided with openings, one in each end of the plate, adapted to receive a bolt, and seat a coil spring, a bolt having threads its full length, said bolt being adapted to pass through the coil spring, and screw into the standards on the lower plate, all substantially as shown and described.

3. In a dental flask clamping press the combination, of a lower plate, having as a part of the plate a hollow interior threaded standard, on each end of the plate, and upper plate provided with an opening in each end adapted to receive a bolt, with a coil spring adapted to engage under the head of the bolt, and to seat on the end of the plate, said bolt being provided with threads its full length, its full length adapted to enter the standard that is on each end of the lower plate, a coil spring under the head of the bolt. Substantially as shown and described.

WILLIAM M. ROMINE.
WALTER J. CLARK.

Witness:
I. B. CASE.