Jan. 27, 1925. 1,524,449

D. S. MYERS

METHOD OF MAKING SEATS

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Fig. 1.

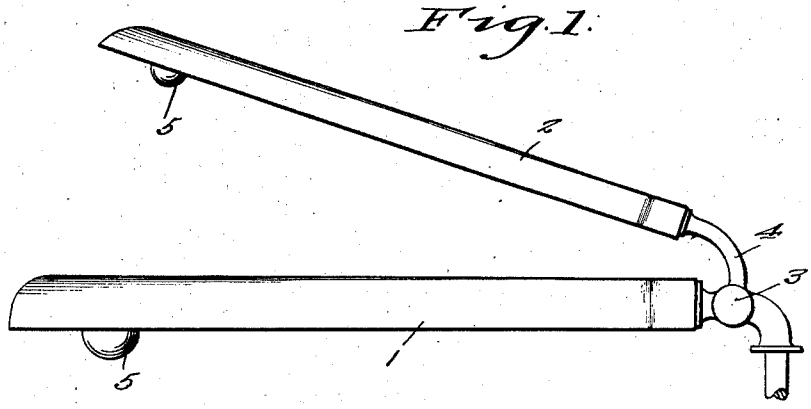


Fig. 2.

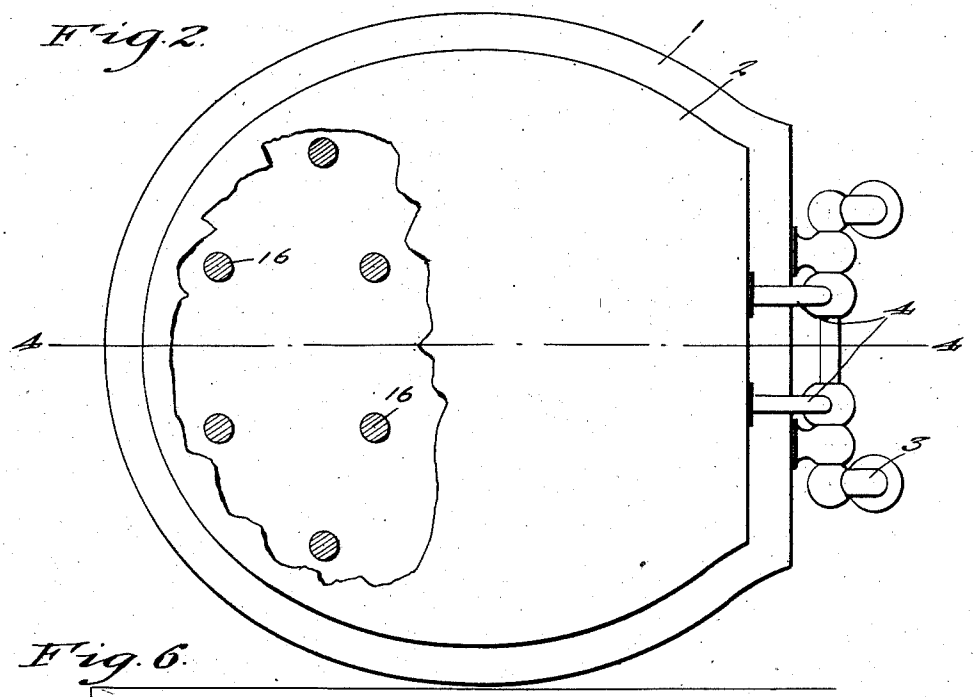
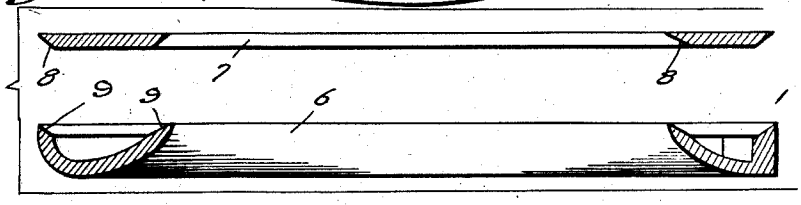


Fig. 6.



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Fig. 3.

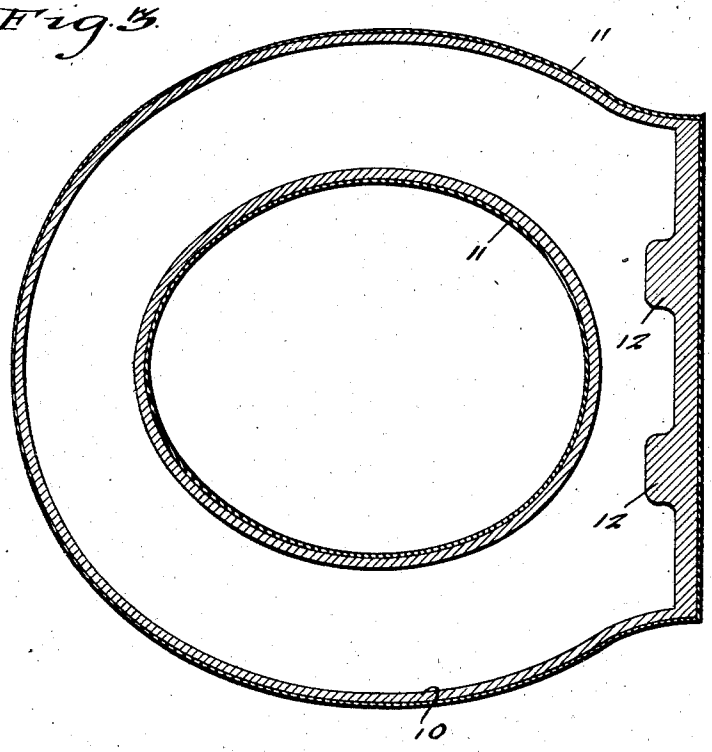


Fig. 4.

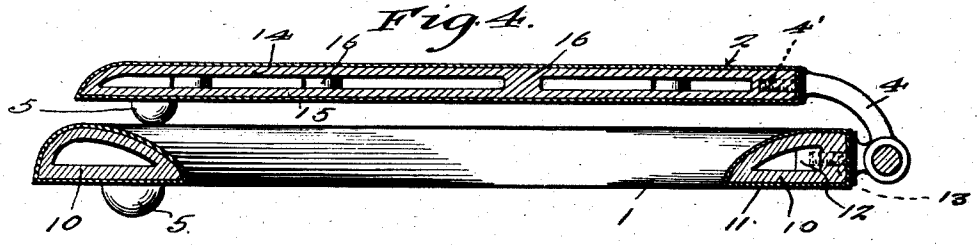


Fig. 5.

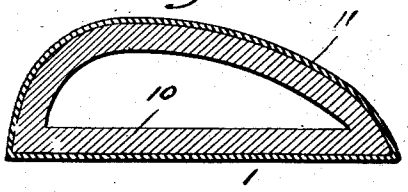
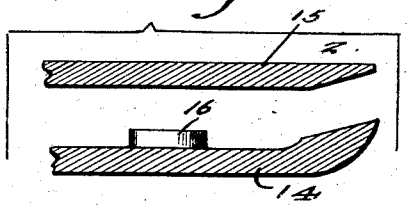


Fig. 7.



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Patented Jan. 27, 1925. 1,524,449

UNITED STATES PATENT OFFICE.

DERBIN S. MYERS, OF EVANSVILLE, INDIANA, ASSIGNOR TO MID-STATES RUBBER COMPANY, OF EVANSVILLE, INDIANA, A CORPORATION OF INDIANA.

METHOD OF MAKING SEATS.

Application filed September 8, 1923. Serial No. 661,707.

To all whom it may concern:

Be it known that I, DERBIN S. MYERS, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented new and useful Improvements in Methods of Making Seats, of which the following is a specification.

The object of my invention is to provide a closet seat that will be sanitary, impervious to any acids or alkalies that may come in contact with same, that will not deteriorate or disintegrate under any climatic conditions, is artistically beautiful, strong, durable, light of weight, will not feel cold to the body and can be produced and marketed for a reasonable price.

A further object of my invention is to provide a closet seat of a hollow construction, the material being that of a rubber or other composition capable of being vulcanized hard and covered with a thin veneer or layer of a better grade of rubber or other composition capable of being vulcanized hard and susceptible of receiving a high polish.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side view showing the top in slightly raised position.

Figure 2 is a plan view, with the top partly broken away.

Figure 3 is a bottom plan view.

Figure 4 is a longitudinal sectional view.

Figures 5 and 6 are sectional views showing how the seat is formed.

Figure 7 is a detail view showing how the cover is formed.

In these views, 1 indicates the seat and 2 the cover thereof. The seat is hingedly connected to the bracket 3 and the cover has an arm 4 thereon which is also hingedly connected with the bracket. Bumpers 5, of soft rubber or the like, are carried by the seat and cover to prevent injury to the parts.

The seat is formed of a concavo-convex part 6 and a flat part 7 which has beveled edges 8 engaging similar edges 9 on the part 6. These parts 6 and 7 are formed in a suitable mold and are formed from a rubber or other composition which is formed in the mold. The two parts 6 and 7 are then removed from the mold and a thin veneer of a better grade of rubber or composition is applied to the exterior surface thereof. The part 7 is placed with its beveled edges engaging the beveled edges of the part 6 and the parts are so shaped that when again placed in the mold, the part 7 will extend a fraction of an inch above the top of the mold, thus allowing for the air within the hollow to be compressed when the seat is reduced to the shape of the mold cavity. The two parts are then placed in a vulcanizer, while maintaining the air pressure, and subjected to a sufficient heat to cause vulcanization. This will further expand the air within the connected members which will act to prevent the parts from collapsing under the pressure. The parts are then permitted to cool while in the molds so as to condense the internal pressure and then the article is removed from the mold and finished by buffing and polishing. The core of the finished seat is shown at 10 and the veneer at 11. Reinforcements 12 are provided through which the studs 13 of the hinges pass.

The cover 2 is also formed of two pieces, as shown at 14, and 15, the pieces being connected together at their edges and at intervals by the posts 16 so as to form a hollow cover, the walls of which are connected together by said posts, thus providing a structure of great strength. The arm 4 has a reduced threaded part 4′ which is threaded into a part of the seat.

From the above it will be seen that I have produced a seat which is sanitary, impervious to acids and the like, one which can be easily kept clean and one which can be marketed cheaply.

While the drawing shows the seat as designed for a closet it will of course be understood that the seat can be designed for other purposes.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may

make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. The herein described method of making closet seats, which consists of forming by pressure in a suitable mold a rubber or other composition hollow seat in two or more parts, then assembling the various parts and reducing the whole to a smaller diameter sectionally in a suitable mold, thus compressing the air contained in the hollow portion thereof and vulcanizing the whole while maintaining said pressure and subsequently finishing the seat by buffing and polishing.

2. The herein described method of making closet seats which consists of forming by pressure in a suitable mold a rubber or other composition, hollow seat core in two or more parts, then covering the exterior surfaces with a thin veneer of a better grade of rubber or other composition susceptible to a high polish, then assembling the various parts and reducing same to a smaller diameter sectionally in a suitable mold, under pressure, thus compressing the air contained in the hollow portion thereof and vulcanizing the whole while maintaining said pressure and subsequently finishing the seat by buffing and polishing.

In testimony whereof I affix my signature.

DERBIN S. MYERS.