U. S. BOONE.

DEVICE FOR FACILITATING THE CUTTING OF ADHESIVE PLASTERS.

APPLICATION FILED MAR. 23, 1921.

1,434,675. Patented Nov. 7, 1922.

2 SHEETS—SHEET 1.

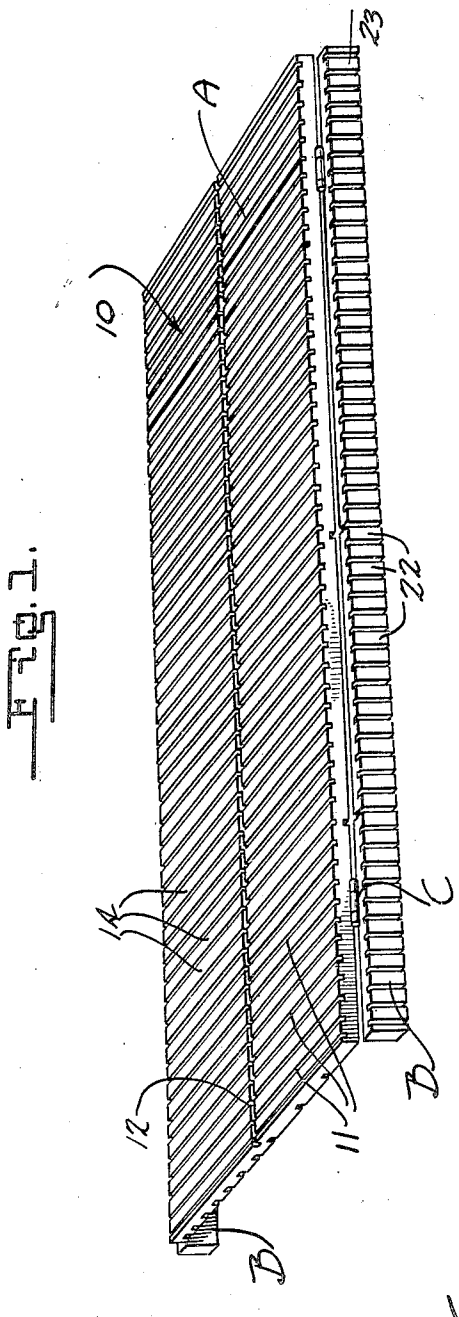


Fig. 1.

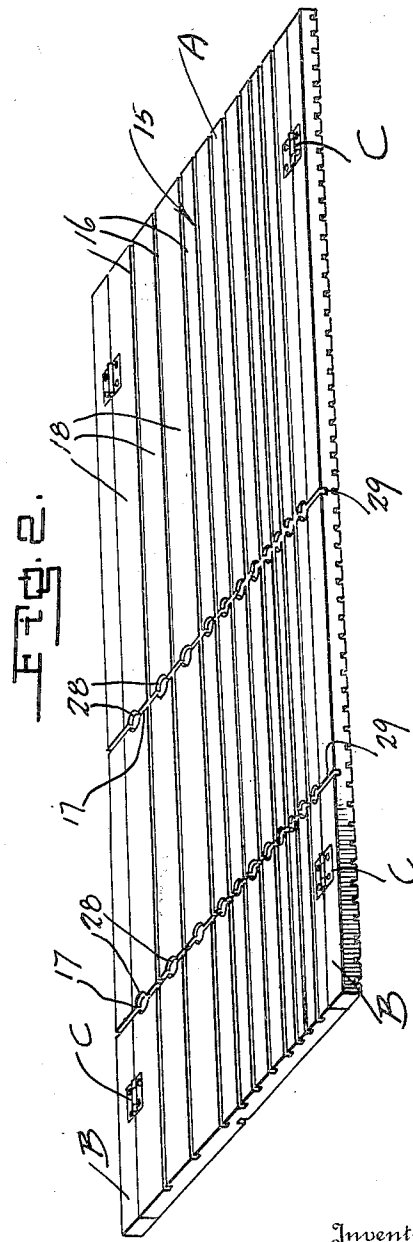


Fig. 2.

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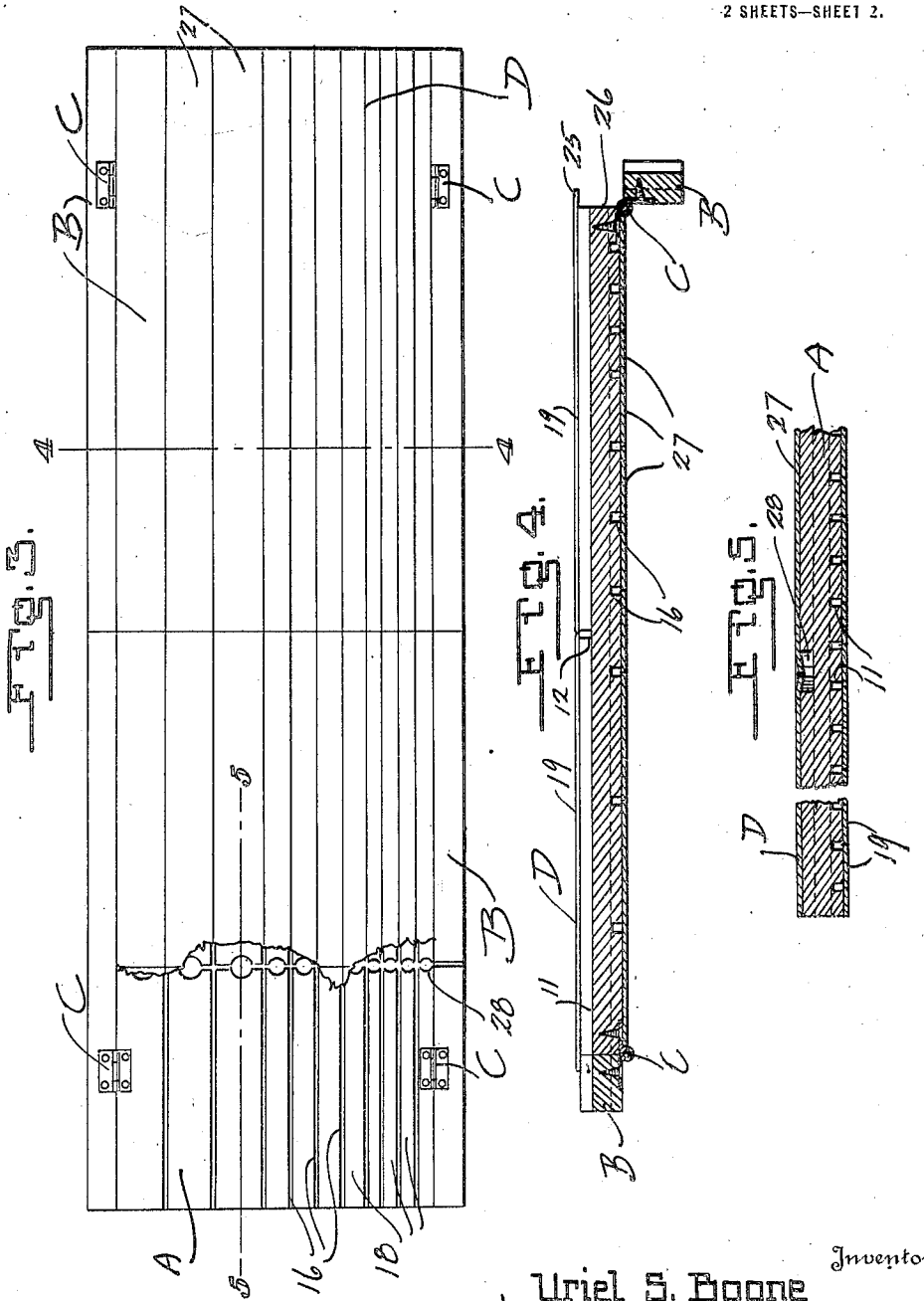
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UNITED STATES PATENT OFFICE.

URIEL SEBREE BOONE, OF ST. LOUIS, MISSOURI.

DEVICE FOR FACILITATING THE CUTTING OF ADHESIVE PLASTERS.

Application filed March 23, 1921. Serial No. 454,821.

To all whom it may concern:

Be it known that I, URIEL S. BOONE, a citizen of the United States, residing in the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Devices for Facilitating the Cutting of Adhesive Plasters, of which the following is a specification.

This invention relates to a device for facilitating the cutting of adhesive plaster.

The primary object of the invention is the provision of a template for use in hospitals and the like, whereby sheet adhesive plaster may be conveniently and accurately cut into strips of proper length and width.

A further object of the invention is the provision of a template for use in the above described manner, which is divided into a plurality of subdivisions of varying widths and lengths; and which includes a means to facilitate removal of any of the strips of plaster after cutting of the same.

Other objects and advantages will be apparent during the course of the following detailed description.

In the accompanying drawings, forming a part of this specification, and in which similar reference characters designate corresponding parts throughout the several views,

Figure 1 is a perspective view of the improved template showing the relation of certain sections of the frame.

Figure 2 is a perspective view of the improved template showing the opposite side to that shown in the view above described.

Figure 3 is a plan view of one side of the template showing the method of applying the sheet adhesive plaster thereto, and the manner of cutting the same into strips.

Figure 4 is a cross sectional view taken on the line 4—4 of Figure 3.

Figure 5 is a fragmentary cross sectional view taken on the line 5—5 of Figure 3.

In the drawings, wherein for the purpose of illustration is shown a preferred embodiment of my invention, the letter A designates the body of the template having the wings B mounted upon the longitudinal edges thereof as by hinges C. The body section A and wings B may of course, be of the same material, such as wood, or cast metal, and the template is preferably in the form of a flat tablet and is relatively shallow in depth.

The body section A has a side 10 thereof provided with a plurality of parallel and uniformly spaced grooves 11; the said grooves 11 extending transversely of the template A. The side 10 is preferably provided with a single longitudinal groove 12 which intersects the grooves 11 at exactly right angles. It is to be understood, in this connection, that any number of longitudinal grooves 12 may be provided upon the face 10, the width of the template A of course, being limited only to the requirement of the particular sheet of adhesive plaster which is to be sub-divided into strips. By this arrangement of grooves, the face 10 is subdivided into a plurality of sub-divisions 14 which are all of uniform length and width. It is not the desire to limit the length or width of the strips, but merely to provide the face or side 10 with the uniform subdivisions 14.

The opposite side 15 of the template A, is provided with a plurality of grooves 16 which extend longitudinally of the template A, and are provided at varying distances upon the side 15. Transverse grooves 17 are provided in the side 15 and which transverse grooves need not be placed at any particular place upon the side 15, it being merely necessary that the grooves 17 intersect the grooves 16 at exactly right angles. In this manner the side 15 is divided into a plurality of subdivisions 18, of varying widths and lengths. It is not the purpose of this invention to limit the length or width to any particular dimension, it being the purpose of providing the side 15 into subdivisions of varying width and length.

In order to facilitate removal of the strips 19 of adhesive plaster, which has been cut according to the face 10 of the template A, the wings B have been provided as hereinbefore mentioned, and which wings B are hingedly connected upon the side 15 of the template A by means of the hinges C. The wing sections B are of course, relatively narrow in width, and are of the same length as the section A, said wings B being of similar formation. They are provided with transverse grooves 22 upon their top faces 23, and which grooves 22 are uniformly spaced throughout the length of the wings B, and are adapted to align with, and co-act with the transverse groove 11 upon the face 10 of the template body A.

Thus in cutting a sheet of adhesive plaster D into uniform strips as defined upon the face 10 of the template A, the said sheet of

adhesive plaster D is placed upon the faces 10 and 23 of the sections A and B, it being of course understood that the wings B have been placed in alignment with the section A. When in this position, a knife blade or similar tool is inserted at different places throughout the adhesive plaster and guided in its movement, by the respective grooves 12 14 and 22. In this manner the sheet D is divided into strips of exactly the same length and width. The adhesive plaster is preferably placed upon the plate 10 with the adhesive surface of the same in contact with the face 10 and having the lateral edges thereof overlapping the sides of the section A and upon the lateral wings B for a short distance, preferably about one-eighth of an inch. After the sheet of adhesive plaster has been subdivided as above set forth the wings B are swung downwardly upon their hinges C, thus leaving the lateral edges 25 of the strips 19 projecting for a slight distance beyond the edge 26 of the body template A. This edge 25 can be grasped by the person desiring to use a strip of plaster and the strips can be removed from the various subdivisions 14 as desired.

A number of ways could of course be devised, to facilitate the removal of the strips after they have been cut. It has, however, been the purpose of this invention, to specifically provide the wing C for removal of the strips 19, which have been cut upon the face 10.

When placing a strip of adhesive plaster D upon the side 15 of the template A, the blade of a knife or similar instrument is run through the longitudinal and lateral grooves 16 and 17 and said sheet of adhesive plate D is subdivided into a plurality of strips 27 of varying width and length. To facilitate the removal of the strips 27, the subdivisions 18 upon the face 15 have each been provided with a recess 28 upon an end thereof, and which recesses 28 are struck inwardly from the sides of the transverse grooves 17. These grooves 28 can of course be arcuate in formation and a pair of grooves 28 can be formed in adjacent subdivisions 18 simultaneously by an ordinary boring tool. When formed in this manner the contour as defined by the adjacent recesses 28 will of course, be substantially circular in formation. It may be mentioned in this connection that the wings B in reality, perform no function in the cutting or removal of the strips 27 from the side 15. However, grooves 29 have been provided therein transversely, adapted to align with the grooves 17 on the side 15.

Various other means could of course be designed to effect removal of the strips 19 and 27 after they have been cut and it is to be understood, that various changes in the shape, size and arrangement of parts, may be made for the form of the invention herein shown and described, without departing from the spirit of the invention or scope of the claims.

I claim:

1. As an article of manufacture, a template having uniformly spaced grooves upon one side thereof, and variably spaced grooves upon the other side.

2. As an article of manufacture, a template having a plurality of parallel grooves upon one side thereof, dividing that side into raised subdivisions of uniform width, and the other side thereof having a plurality of parallel grooves dividing the same into raised subdivisions of varying width.

3. As an article of manufacture, a template having a plurality of spaced grooves in one side thereof running longitudinally and transversely to divide said side into uniform subdivisions, and said other side having a plurality of spaced grooves therein running longitudinally and transversely of said template to divide said side into a plurality of subdivisions of varying widths.

4. As an article of manufacture, a tablet comprising a body section, and side wing sections hingedly connected thereto, said body and wing sections having cooperating grooves therein.

5. As an article of manufacture, a template comprising a body section, and side wing sections hingedly connected thereto, said body and wing sections having cooperating grooves therein upon one side to divide said template into a plurality of subdivisions of uniform width.

6. As an article of manufacture, a template comprising a body section, and side wing sections hingedly connected thereto, said body and wing sections having cooperating grooves therein upon one side to divide said template into a plurality of subdivisions of varying widths.

7. As an article of manufacture, a template comprising a substantially flat body section and side wing sections hingedly connected thereto, said body and wing sections having cooperating grooves therein upon both sides thereof, to divide one of said sides into a plurality of subdivisions of uniform length and width, and said other side into a plurality of subdivisions of varying length and width.

8. As an article of manufacture, a cutting template, comprising a main body section having a face thereof grooved for cutting purposes, and an auxiliary section hingedly connected laterally to said main body section to swing outwardly and downwardly from the grooved face of said main body section.

URIEL SEBREE BOONE.