

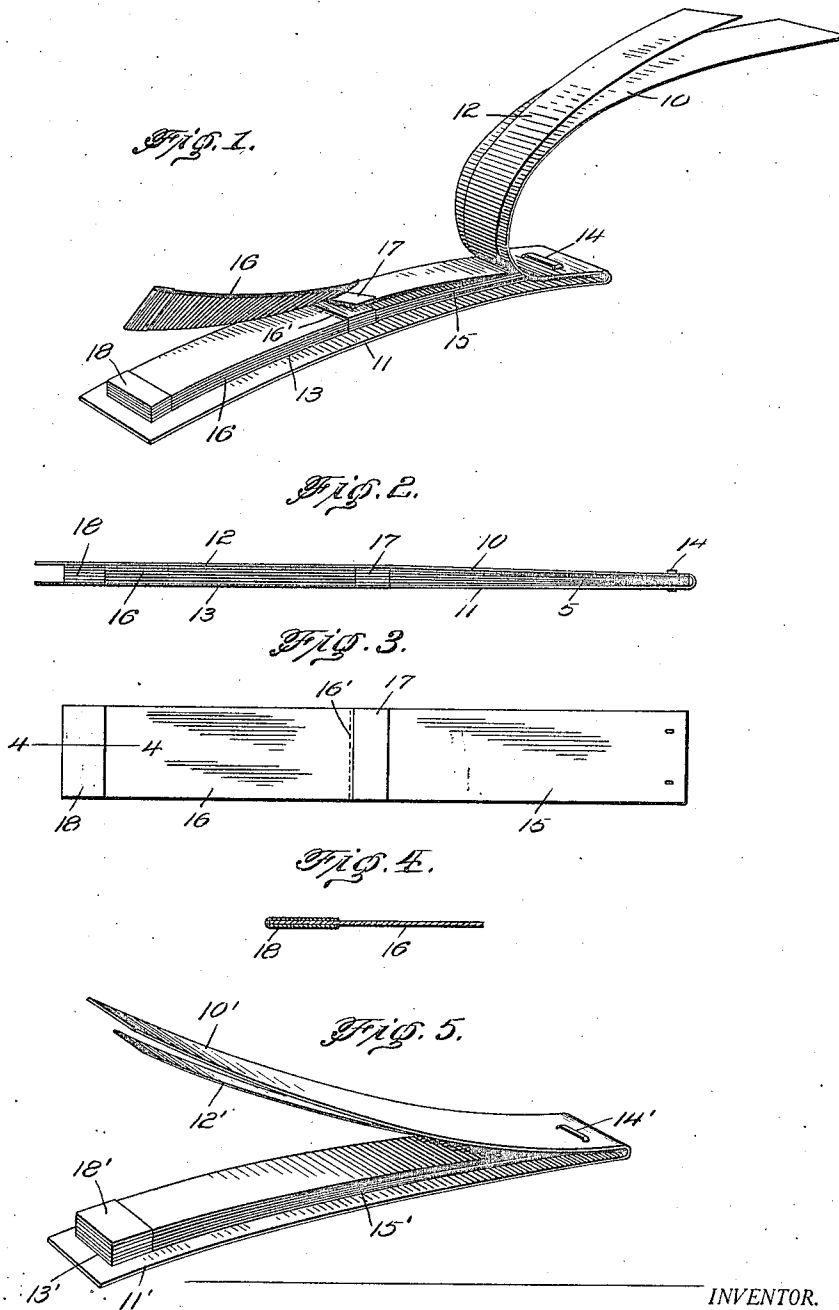
June 5, 1923.

1,458,062

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DENTIST'S ARTICULATING PAPER

Filed June 17, 1921



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## DENTIST'S ARTICULATING PAPER.

Application filed June 17, 1921. Serial No. 478,327.

*To all whom it may concern:*

Be it known that I, FREDERICK W. KEITH, a citizen of the United States, residing at Belfast, in the county of Waldo and State of Maine, have invented certain new and useful Improvements in Dentist's Articulating Paper, of which the following is a specification.

The invention appertains to paper adapted for use by dentists in the securing of articulation impressions of the teeth of a person for the accurate manufacture of false teeth or sets of such teeth.

The principal object of the invention is to provide for the assembling of a suitable number of sheets or strips of the impression paper into booklet form, whereby the sheets may be retained in a convenient and sanitary condition pending use, and which may be separately detached as required.

Another object of the invention is to provide for a booklet of impression papers as above mentioned, and which may consist of a suitable number of whole sheets each adapted for the taking of one or more impressions thereon, or a suitable number of such sheets each divided to form separable sections, each section being adapted for the taking thereon of a single impression.

A further object of the invention is to provide the several sheets of impression paper assembled in booklet form, as above stated, and to provide each whole sheet, or each half section thereof, as the case may be, with means for facilitating the handling of the same without the fingers becoming soiled, or necessarily touching the impression surfaces of each sheet.

With the foregoing and other objects in view, the invention resides in the certain novel and useful construction as will be hereinafter more fully described, set forth in the appended claims, and illustrated in the accompanying drawings, in which:—

Figure 1 is a perspective view of the preferred embodiment of the booklet, and the sheets thereof, with the upper of the cover and protecting sheets in open position, and showing the manner of tearing out one of the half sections of a sheet for use,

Fig. 2 is a side elevation of a booklet, when closed,

Fig. 3 is a top plan view of one of the sub-divided impression sheets.

Fig. 4 is a fragmentary section taken on the line 4—4 of Fig. 3, and,

Fig. 5 is a perspective view of a modified form of the booklet, and showing whole sheets of the impression paper assembled therein.

Referring to the drawing, the preferred embodiment of the booklet, as shown in Figs. 1 to 4, inclusive, comprises a cover sheet or strip, preferably formed of a relatively heavy paper or fabric, folded or bent on a transverse medial line to form a front cover portion 10 and a rear cover portion 11, and inserted between the portions are a pair of upper and lower protecting sheets, designated 12 and 13, respectively, the same being preferably formed of a thin oiled paper or fabric material, and inserted between these protecting sheets are a plurality of articulating impression sheets, preferably formed of strips of carbon paper or the like, one superposed on the other, the several protecting and impression sheets being secured in position between and to the portions 10 and 11 by means of a staple 14 being passed through the folded end portions of the front and rear cover portions, and the complementary ends of the inclosed sheets, the staple 14 having its prongs clinched on the under side of the rear cover portion.

The impression sheet in each instance of the invention, are preferably formed of a relatively heavy carbon paper, fabric or the like, and in the preferred form of the same, each sheet is divided into a pair of half sections 15 and 16, respectively, and for such purpose, strips 17, of a paper or fabric, are glued or otherwise secured on opposite sides of the impression sheets, one on the transverse center thereof, and similar strips 18 are engaged over the outer free ends of the sheets. These strips 17 and 18 are adapted to be used as finger grips or tabs for the handling of the impression sheet sections, whereby to prevent soiling of the fingers and to keep the usable portion of the sheet sanitary as is necessary for the placing of the same between the teeth for the taking on the same of the impressions thereof. The sections of each impression sheet, are to be used separately, and as shown in Figs. 1 and 3, the outer sections 16 are adapted to be used first, and for such purpose are torn from the inner sections 15 at a point

immediately adjacent the outer side edges of the tabs or finger grip strips 17 thereof, the line of tear being clearly indicated by the dotted line 16' in Fig. 3, and in effecting the detachment of these outer sections 16, the tabs or finger grip strips 18 only are to be grasped by the fingers, so as to prevent the soiling of the latter and to keep the impression strip proper free from contamination. When it is desired to make use of one of the inner sections 15, its tab portion 17 is grasped by the fingers and the sheet is torn from the booklet on the line of the point of engagement of the same with the staple 14.

In Fig. 5, a modified form of the invention is shown, and the same consists of a booklet made up, as in the first instance, with the front and rear cover sections 10' and 11'; the protecting sheets 12' and 13'; and the impression sheet 15' interposed between the protecting sheets 12' and 13', but the impression sheets 15 are preferably provided with the outer strips, tabs or finger grips 18' only, so that the entire length of the impression strip or sheet is available for the taking of impressions thereon, the protecting and impression sheets or strips being secured between the front and rear cover sections 10' and 11', by means of a staple 14' being passed through the folded end portion of the strip forming the said cover sections.

In the use of the impression sheets of either of the booklet forms of the same, individual sheets, or sections of the same, are to be torn from the booklet, by the grasping of the strips or tabs 17, 18, or 18', as the case may be, by the fingers, and the torn end of the detached sheet, or section thereof, is then inserted into the mouth of a person between certain of the teeth from which it is desired to obtain an impression. The impression to be obtained on a particular sheet is made on the same by the biting action of the teeth of a person, and any and all unevenness or roughness of the opposed biting surfaces of the teeth will be clearly visible on the impression paper strip, and,

if the biting surfaces are free from such unevenness, or roughness, no impression will be apparent thereon. The use of these strips is particularly desirable in the manufacture of false teeth, and for the accurate shaping of the biting edges or surfaces of the same, to conform to the similar edges or surfaces of opposing teeth.

It is to be understood that, while the invention has been shown and described in specific details and terms, various modifications of the same may be resorted to without departing from the spirit of the same, or the scope of the claims appended hereto.

Having thus fully described the invention, what is claimed is:

1. An impression sheet or strip for dental work, comprising a length of prepared carbon paper, and finger tabs of a non-carbon paper secured on opposite sides of the length of carbon paper, one of said tabs being disposed at the transverse center of the latter and the other at one end of the same, the length of carbon paper being adapted to be severed immediately adjacent the centrally disposed tab at the side thereof nearest the tab at the end of the length of carbon paper.

2. An impression sheet or strip for dental work, comprising a length of impressionable material adapted to be severed intermediate its ends, and means at one end of the material and also in proximity to the point of severance of the material to facilitate the sanitary handling of the several portions of the material.

3. An impression sheet or strip for dental work, comprising a length of impressionable material adapted to be severed intermediate its ends, and tabs carried by said material, one of said tabs at one end of the material and the other positioned in proximity to the point of severance.

4. An impression sheet or strip for dental work, comprising a length of impressionable material, and a plurality of spaced tabs secured therewith.

In testimony whereof I affix my signature hereto.

FREDERICK W. KEITH.