

No. 629,324.

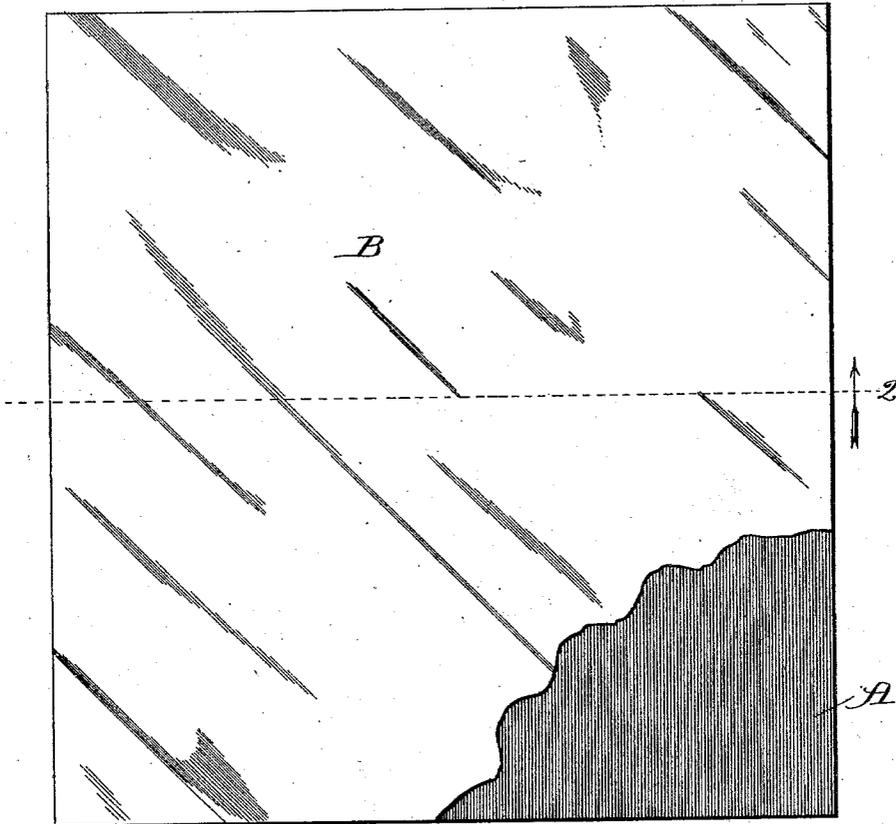
Patented July 25, 1899.

C. C. ALLEN.  
DENTAL DAM.

(Application filed Mar. 6, 1899.)

(No Model.)

*Fig. 1.*



*Fig. 2.*



*Witnesses:*  
*Carl S. Chayles,*  
*Lute S. Allen*

*Inventor:*  
*Charles C. Allen,*  
*By Banning & Banning, Attys.*

# UNITED STATES PATENT OFFICE.

CHARLES C. ALLEN, OF KANSAS CITY, MISSOURI.

## DENTAL DAM.

SPECIFICATION forming part of Letters Patent No. 629,324, dated July 25, 1899.

Application filed March 6, 1899. Serial No. 707,982. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES C. ALLEN, a citizen of the United States, residing at Kansas City, Missouri, have invented certain new and useful Improvements in Dental Dams, of which the following is a specification.

My invention relates to that class of apparatus or articles of manufacture, such as rubber and the like, which are used by dentists for the purpose of damming up the mouth of a patient during the process of dental surgery; and its principal object is to provide a simple, economical, and efficient dental dam, formed of rubber or similar material, with a light-reflecting surface.

In the accompanying drawings, Figure 1 is a plan view of a dental dam constructed in accordance with my improvements and partly in section, and Fig. 2 a transverse sectional view taken on the line 2 of Fig. 1.

In the art to which this invention relates it is well known that in using rubber dams the dental surgeon whenever it is desirable to inspect the mouth of the patient must use a mirror, which takes up valuable space and prevents him from operating efficiently at the same time. This invention, therefore, is intended primarily to remove the above objection and provide a dental dam flexible and elastic in its nature, with one light-reflecting surface, as will more fully hereinafter appear.

In constructing a dam in accordance with

my improvements I provide a sheet of rubber or similar material A with a coating of aluminium-bronze or similar material B, which does not in any way impair the efficiency of the rubber or act as a deteriorating agent. This coating of the sheet enables the dentist to use the dam and take advantage of its flexibility and elasticity, and at the same time furnishes the mouth of the patient with the maximum amount of light reflected and deflected by the light-reflecting silvery surface.

Although I prefer to use aluminium-bronze, it will be understood that other substances for coating may be used, which will accomplish to a more or less extent the objects of the invention, and of course the coated dam may be used either with or without a mirror, as desired.

I claim—

1. As a new article of manufacture, a dental dam formed of flexible, elastic material having a light-reflecting substance on one side, substantially as described.

2. As a new article of manufacture, a dental dam formed of rubber or similar elastic yielding substance having one side provided with a coating of aluminium-bronze, substantially as described.

CHARLES C. ALLEN.

Witnesses:

EDGAR P. ALLEN,  
DENTON DUNN.