

No. 670,604.

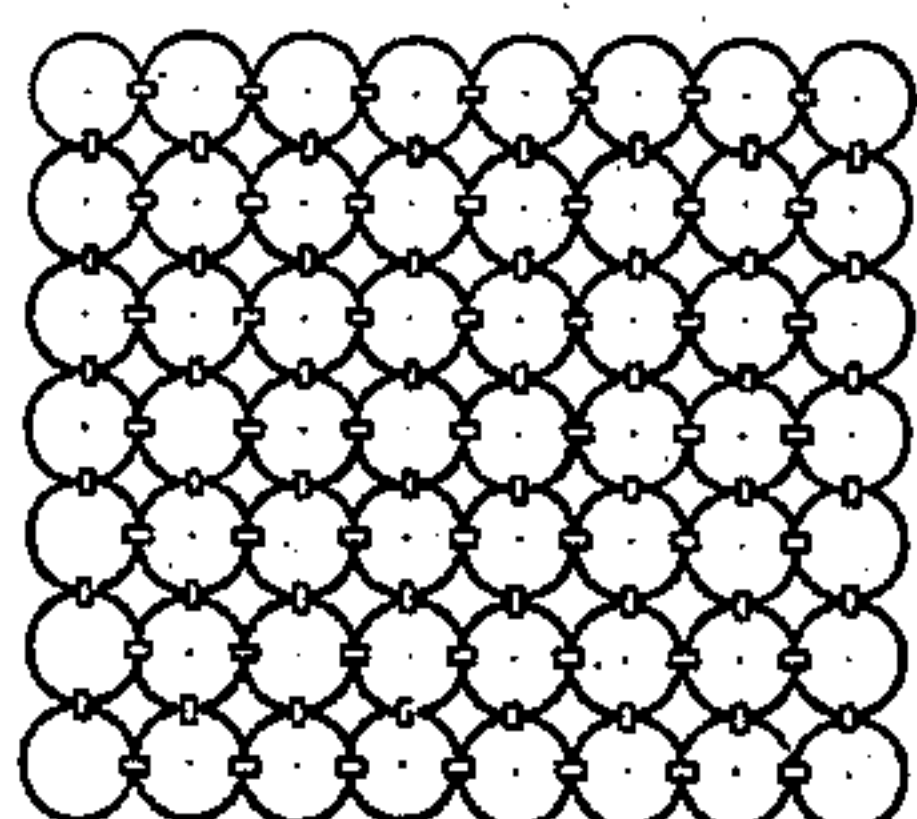
Patented Mar. 26, 1901.

A. BIBER.  
DENTAL PLATE.

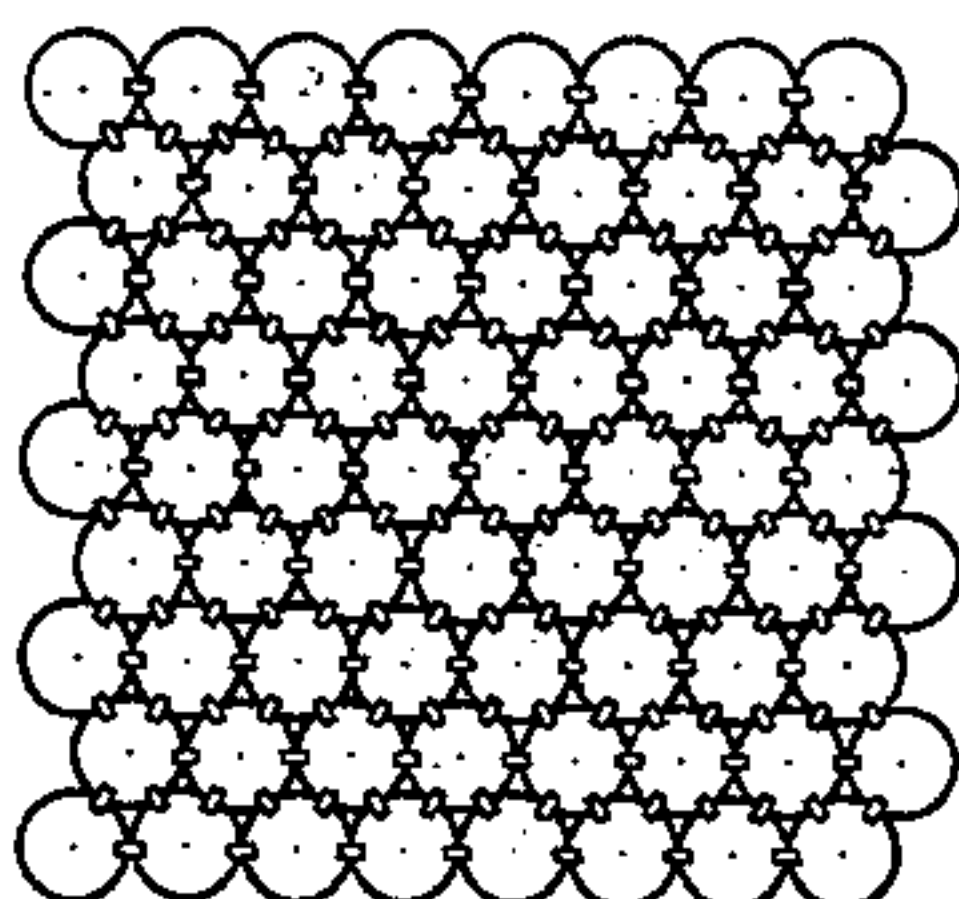
(Application filed Jan. 13, 1900.)

(No Model.)

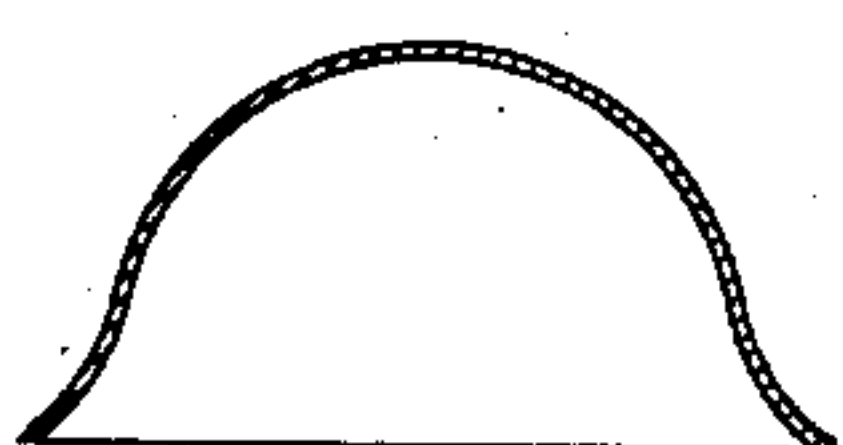
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*

Witnesses:  
*Carl Reup.*  
*Paul Hollenberg.*

Inventor  
*Arnold Biber.*  
by *Boisard & Co.*  
Attorney.

# UNITED STATES PATENT OFFICE.

ARNOLD BIBER, OF PFORZHEIM, GERMANY.

## DENTAL PLATE.

SPECIFICATION forming part of Letters Patent No. 670,604, dated March 26, 1901.

Application filed January 13, 1900. Serial No. 1,354. (No model.)

*To all whom it may concern:*

Be it known that I, ARNOLD BIBER, a subject of the Grand Duke of Baden, and a resident of Pforzheim, in the Grand Duchy of Baden, German Empire, have invented certain new and useful Improvements in Palate-Plates for Sets of Teeth, of which the following is an exact specification.

My present invention relates to improvements in palate-plates for sets of teeth, and particularly consists of increasing the durability of such plates by introducing metal nets into the caoutchouc mass.

My invention will be better understood with reference to the accompanying drawings, in which similar letters denote similar parts throughout the different views, and in which—

Figures 1 and 2 illustrate metal nets of different construction. Fig. 3 illustrates an elevational view of a palate-plate, while Fig. 4 is an enlarged sectional view of a part of a palate-plate, illustrating clearly the arrangement of the net within the plate.

According to my invention I employ a metal piece consisting of rings joined to-

gether by links and forming thus a chain net, as illustrated in Figs. 1 and 2, and cover the same with the caoutchouc I employ for manufacturing the palate-plate. When the metal chain nets are covered with the caoutchouc mass, any form might be imparted to them and they can be used as palate-plates.

Palate-plates for use in sets of teeth manufactured according to my invention offer the great advantage that they are of great elasticity and durability.

Having thus fully described the nature of my invention, what I desire to secure by Letters Patent of the United States is—

In palate-plates for sets of teeth, the elastic metal chain nets as described, covered by caoutchouc and treated in the ordinary well-known manner, substantially and for the purpose as set forth.

In witness whereof I have hereunto set my hand in presence of two witnesses.

ARNOLD BIBER.

Witnesses:

JULIUS SCHULTZ,  
HERMAN WAGNER.