

(No Model.)

D. C. McCALIB.  
BOOKBINDER.

No. 598,738.

Patented Feb. 8, 1898.

Fig. 1.

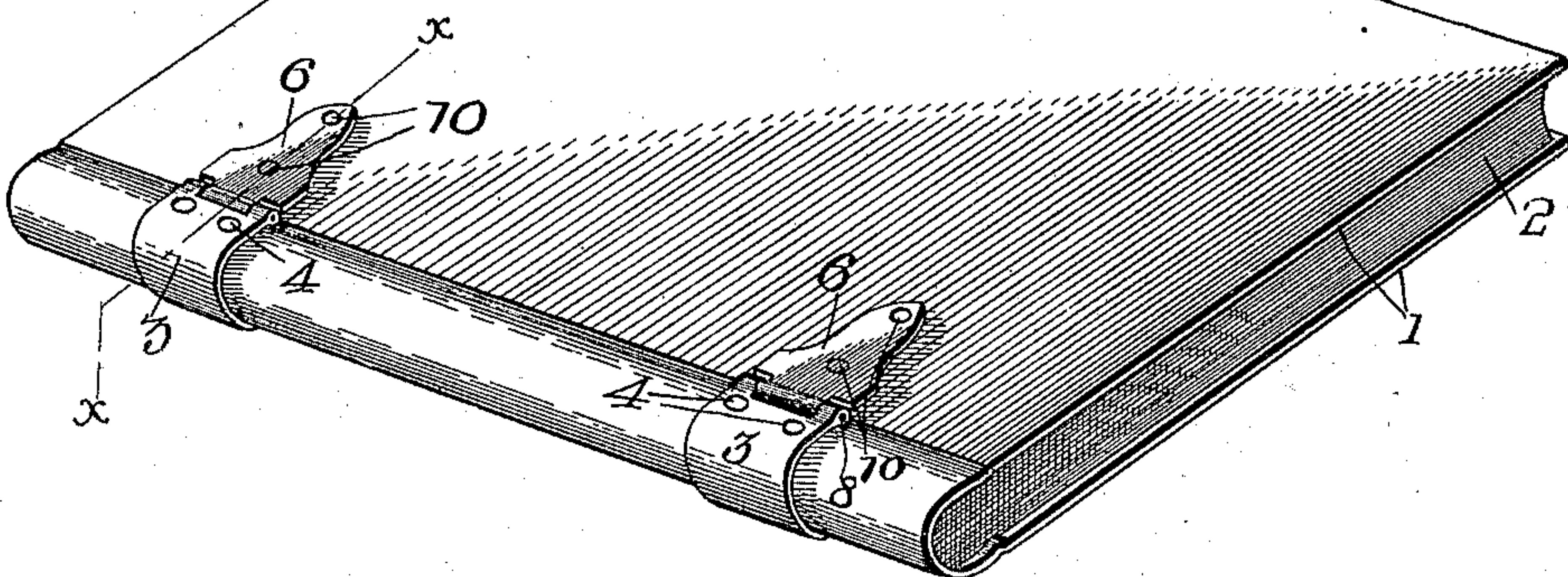


Fig. 2.

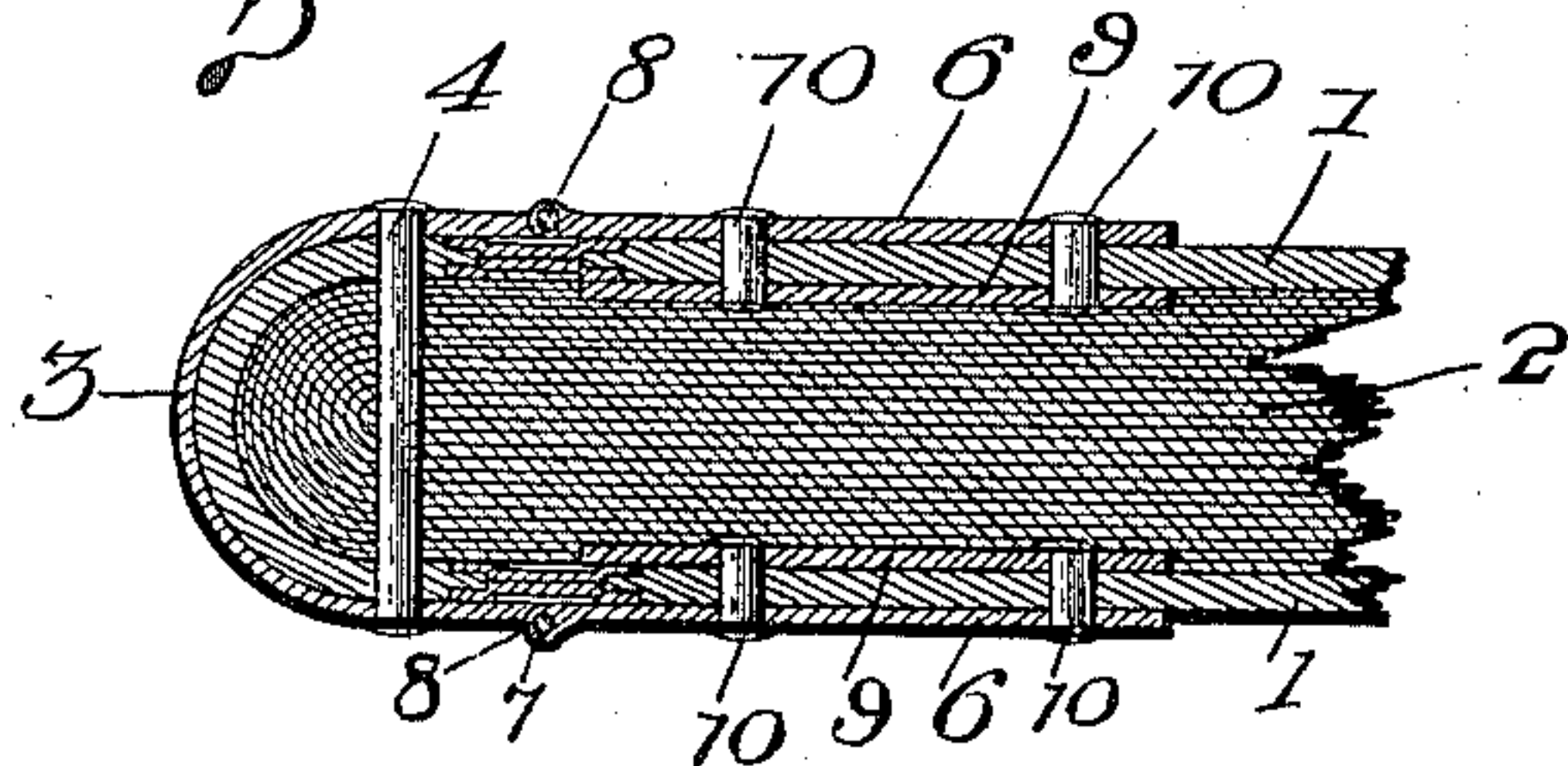


Fig. 3.

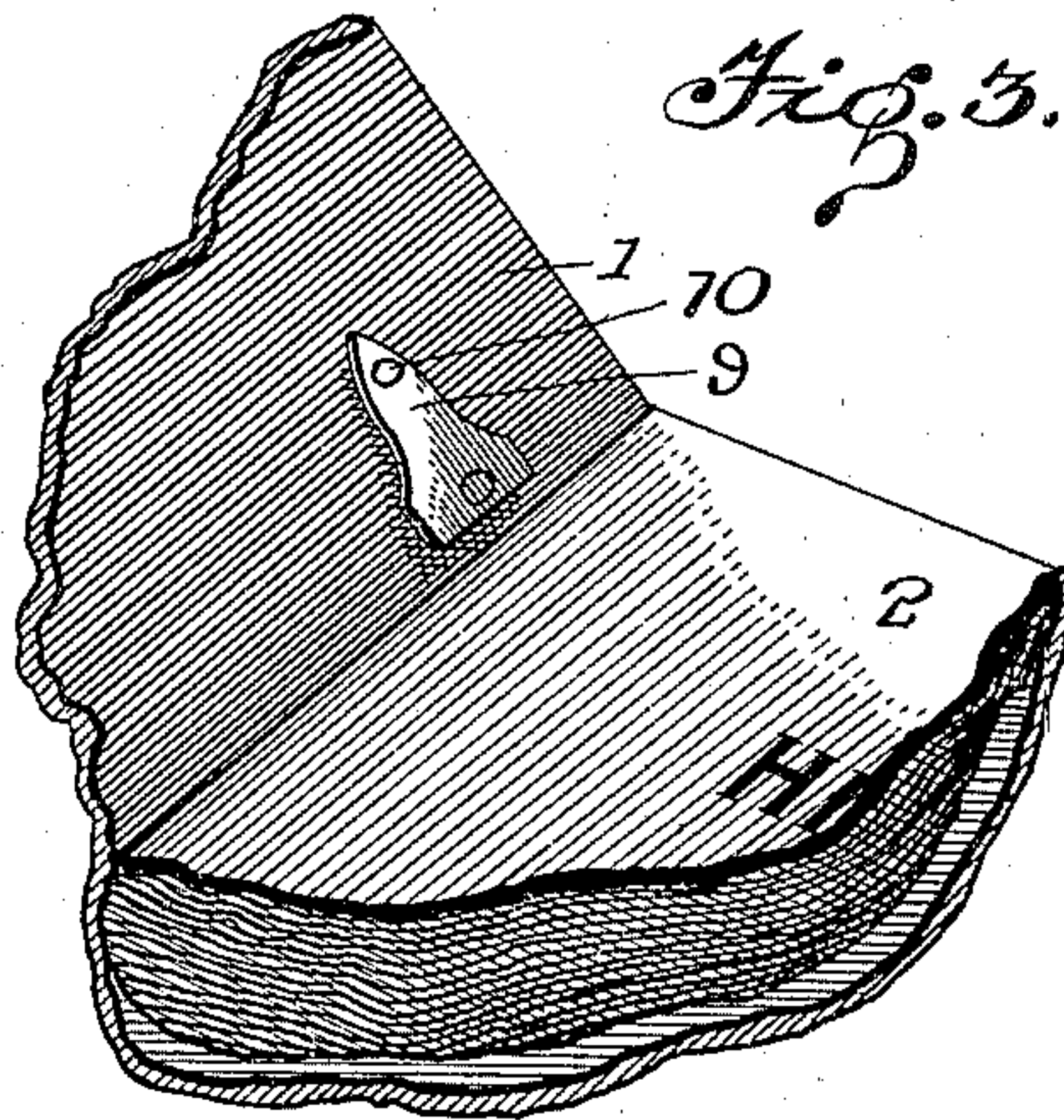


Fig. 4.

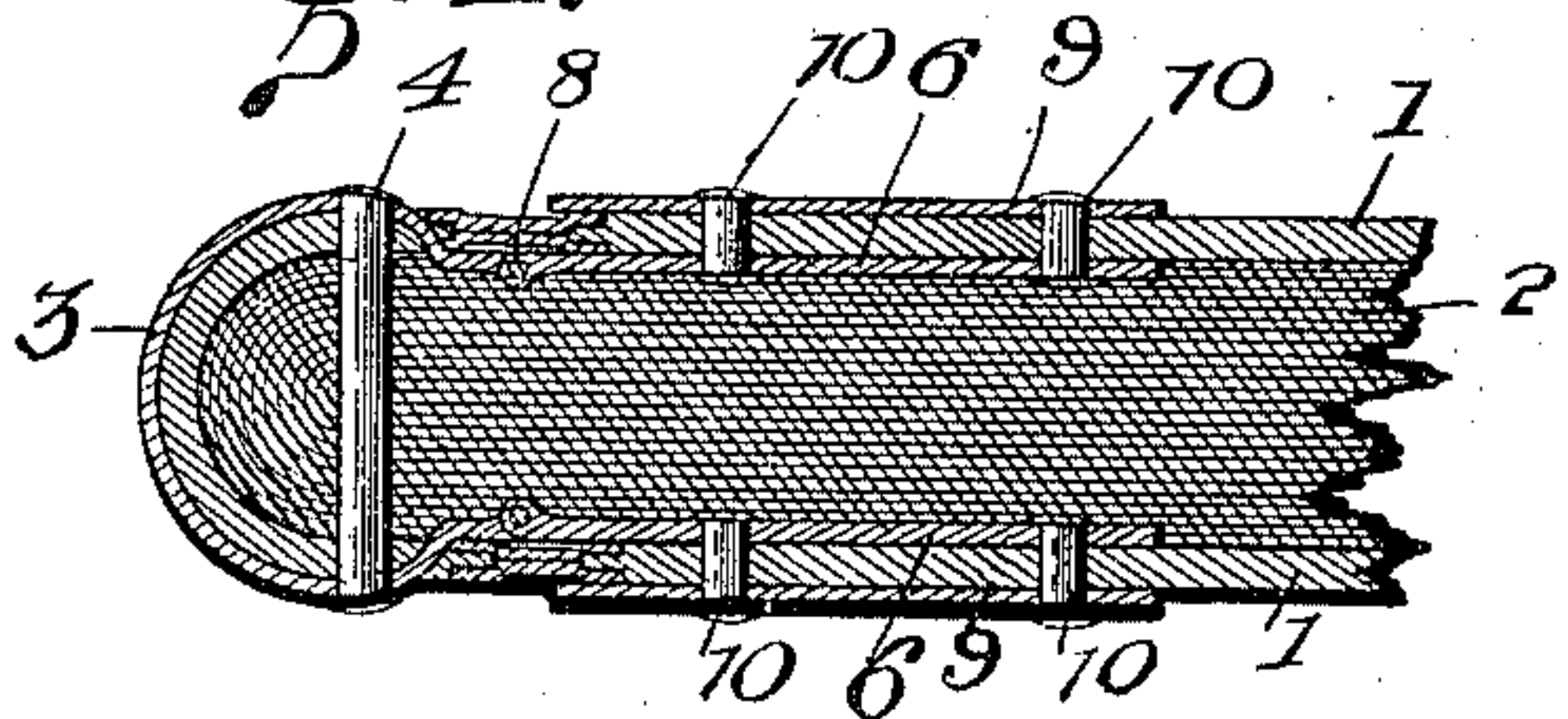


Fig. 5.

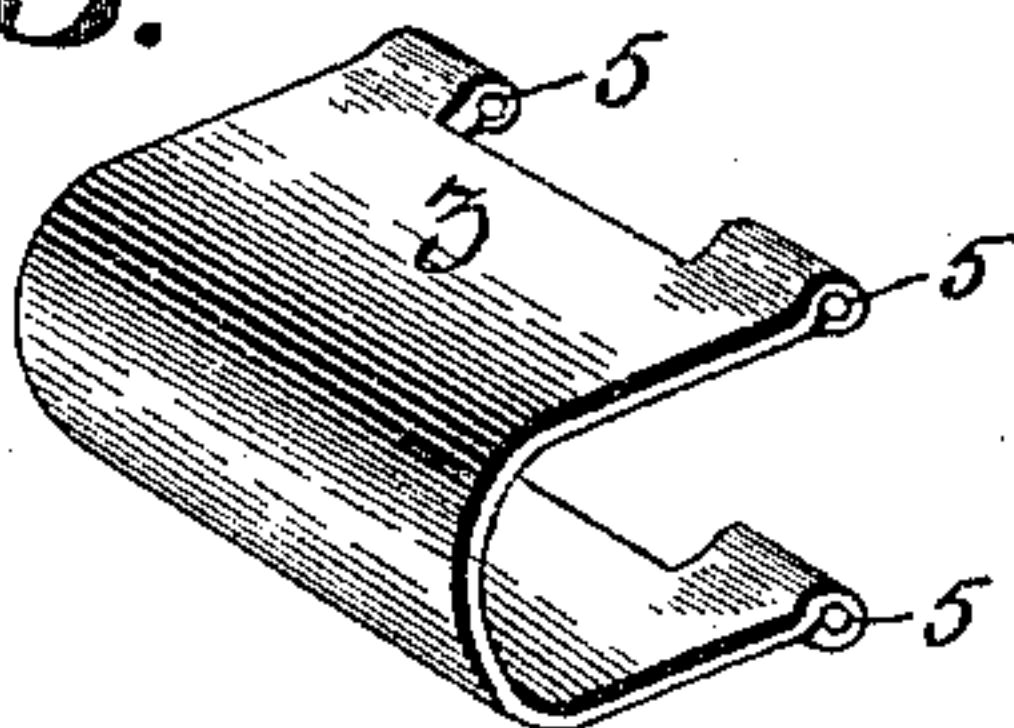
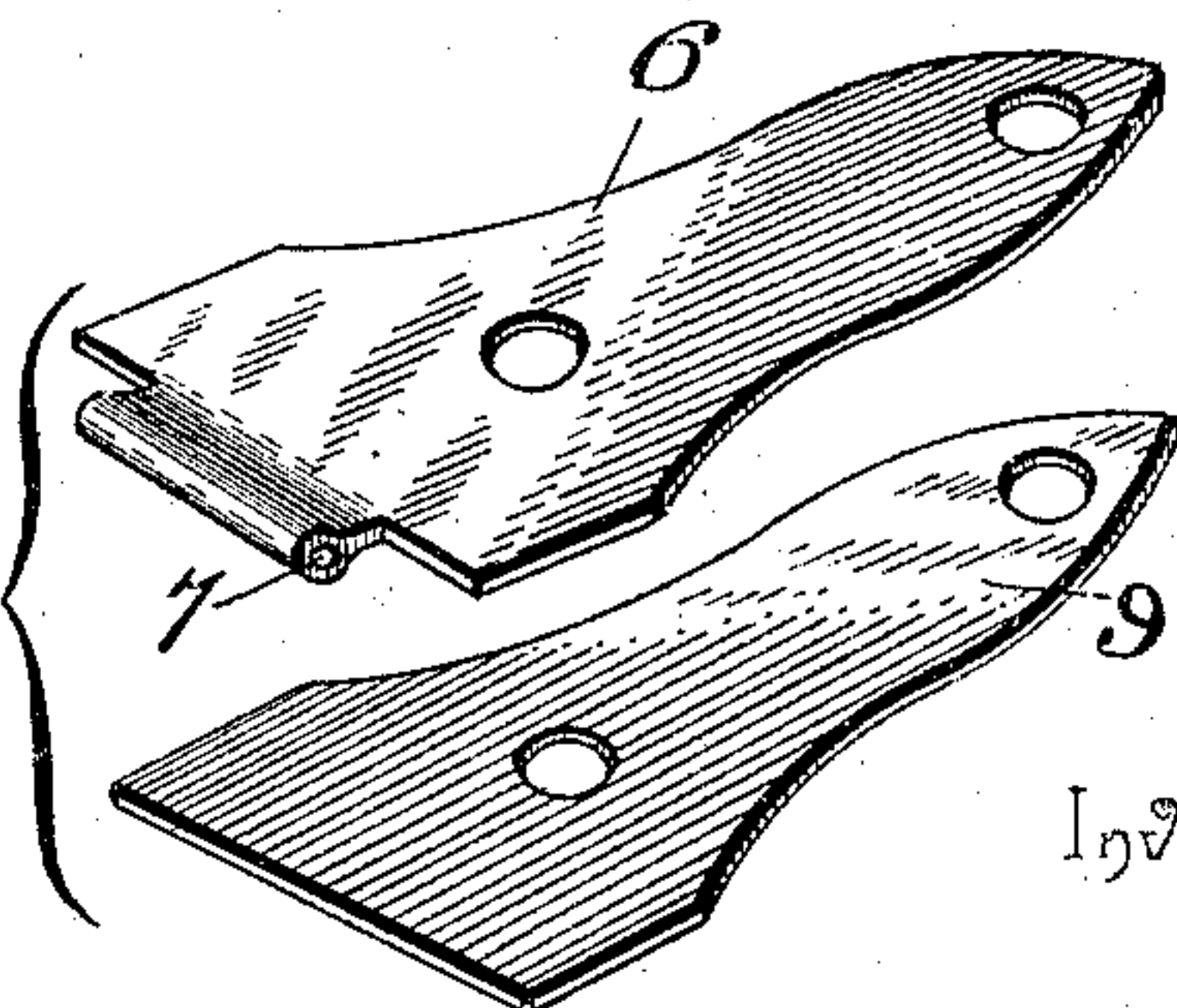


Fig. 6.



Inventor

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# UNITED STATES PATENT OFFICE.

DAVID C. McCALIB, OF KEMP, INDIAN TERRITORY.

## BOOKBINDER.

SPECIFICATION forming part of Letters Patent No. 598,738, dated February 8, 1898.

Application filed June 25, 1897. Serial No. 642,302. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID C. McCALIB, a citizen of the United States, residing at Kemp, in the Chickasaw Nation, Indian Territory, have invented a new and useful Bookbinder, of which the following is a specification.

This invention relates to bookbinders, its object being to provide a simple, cheap, and efficient device of this character by means of which the leaves of the book will be securely fastened together at their back edges and the lids be hinged thereto in a strong and durable manner.

With this object in view the invention consists of a metal strap or loop to embrace the back of the book exteriorly and be secured thereto and to the leaves of the book by rivets or similar devices and metal plates secured to each lid of the book and hinged to the respective ends of the strap.

The invention will be fully described hereinafter and its novel features pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a book embodying my improved binder. Fig. 2 is a section on the line  $xx$  of Fig. 1. Fig. 3 is a perspective view of a portion of the book, the lid being thrown back. Fig. 4 is a section similar to Fig. 2, showing a slight modification. Fig. 5 is a perspective view of the strap or loop detached. Fig. 6 is a similar view of the hinge and stay plates for the lid detached.

Similar reference-numerals indicate similar parts in the several figures.

The lids of the book are indicated by 1 and the leaves by 2. The book may be of any size and the lids of any material in common use.

3 indicates the strap or loop, which fits around the back of the book, exteriorly thereof, and is firmly secured thereto by rivets or similar fastening devices 4, which pass through the strap, the cover of the book, and the leaves, thereby securing the strap firmly to the leaves. The strap may be of any suitable metal, and it may be of any size or shape desired, the essential part of this device being that it shall embrace the back of the book exteriorly and be firmly secured thereto and to the back edges of the leaves by rivets or similar fastening devices. The respective

ends of the strap are provided with a series of spaced eyes, (indicated by 5,) which eyes are preferably formed by cutting portions of the metal away and bending the remaining portions to form the eyes, as will be readily understood.

The hinge-plates are indicated by 6, each plate being provided with an eye or eyes 7 to fit between the eyes 5 on the strap, and the plate 6 is hinged to the strap by a pintle 8, which passes through the eyes 5 and 7. These hinge-plates may also be of any suitable metal and be of any size or form desired, and they will preferably be secured on the outer face of the lid. Opposite each of the hinge-plates on the inside of the lid is a stay-plate 9, and the stay-plates and the hinge-plates are firmly secured together by rivets 10 or similar fastening devices, which pass through the plates and the lid of the book, thereby firmly securing the lids to the hinge-plates.

In the drawings I have illustrated two binders on the back; but it is obvious that more may be used, if desired, and in large or heavy books it would probably be desirable to use more than two.

In a book bound with my improved binder it will be practically impossible to separate the leaves from the cover without breaking the metal hinge or the rivets which secure it to the leaves and the lids. This binder will be equally useful in binding new books or in rebinding old ones, and it may also be used as a supplemental stay or brace for the lids of books at present in use.

In Fig. 4 I have shown the hinge-plate 6 secured on the inner face of the lid and the stay-plate secured on the outer face thereof. When this construction is used, it is necessary to form an opening in the back cover at its junction with the lid for the passage of the ends of the strap or loop 3.

It will be understood that changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having described the invention, I claim—

1. A bookbinding device comprising a strap or loop embracing the back of the book, rivets or similar devices securing the strap to the cover and the leaves, and plates firmly secured

to the lids and having a hinged connection to the ends of the strap, substantially as described.

2. A bookbinding device comprising a strap  
5 or loop embracing the back of the book, rivets  
or similar devices securing the strap to the  
cover and the leaves, plates on one side of the  
respective lids having a hinged connection to  
receive the ends of the strap, stay-plates on  
10 the opposite sides of the lids, and rivets or

similar devices to secure the hinge and stay  
plates together and to the lids, substantially  
as described.

In testimony that I claim the foregoing as  
my own I have hereto affixed my signature in 15  
the presence of two witnesses.

DAVID C. McCALIB.

Witnesses:

C. P. ALBERTY,  
W. W. DAVIS.