

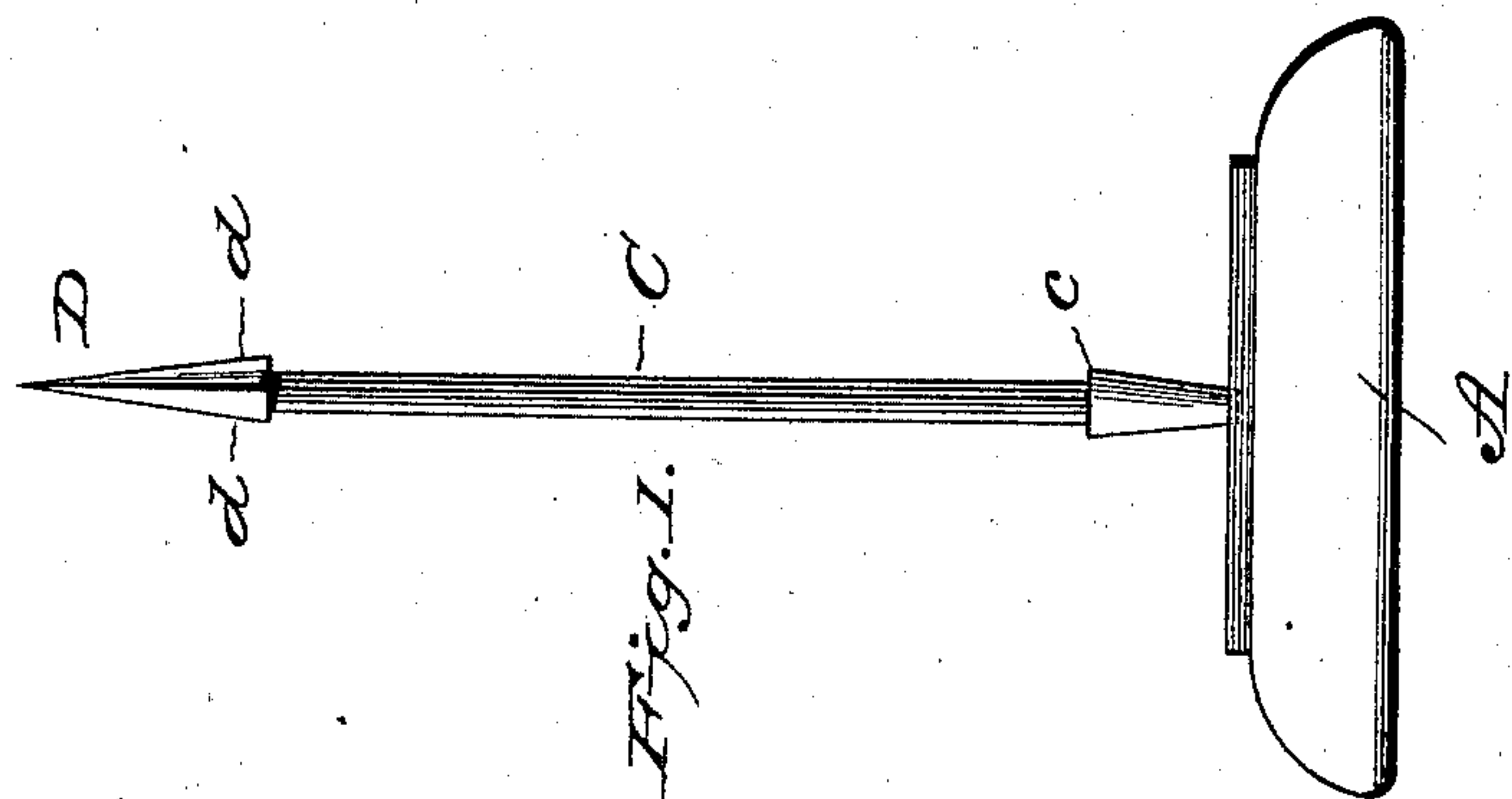
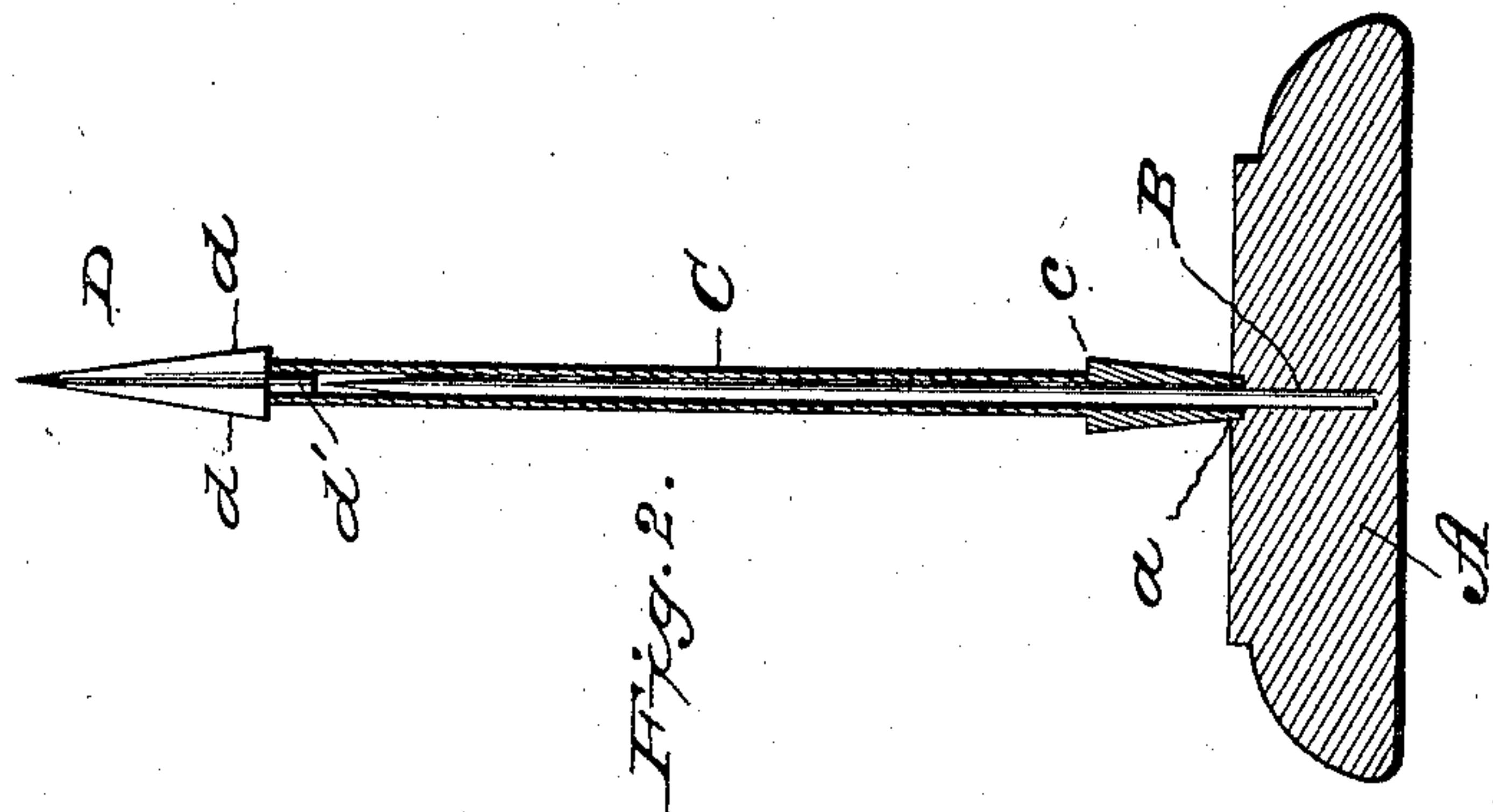
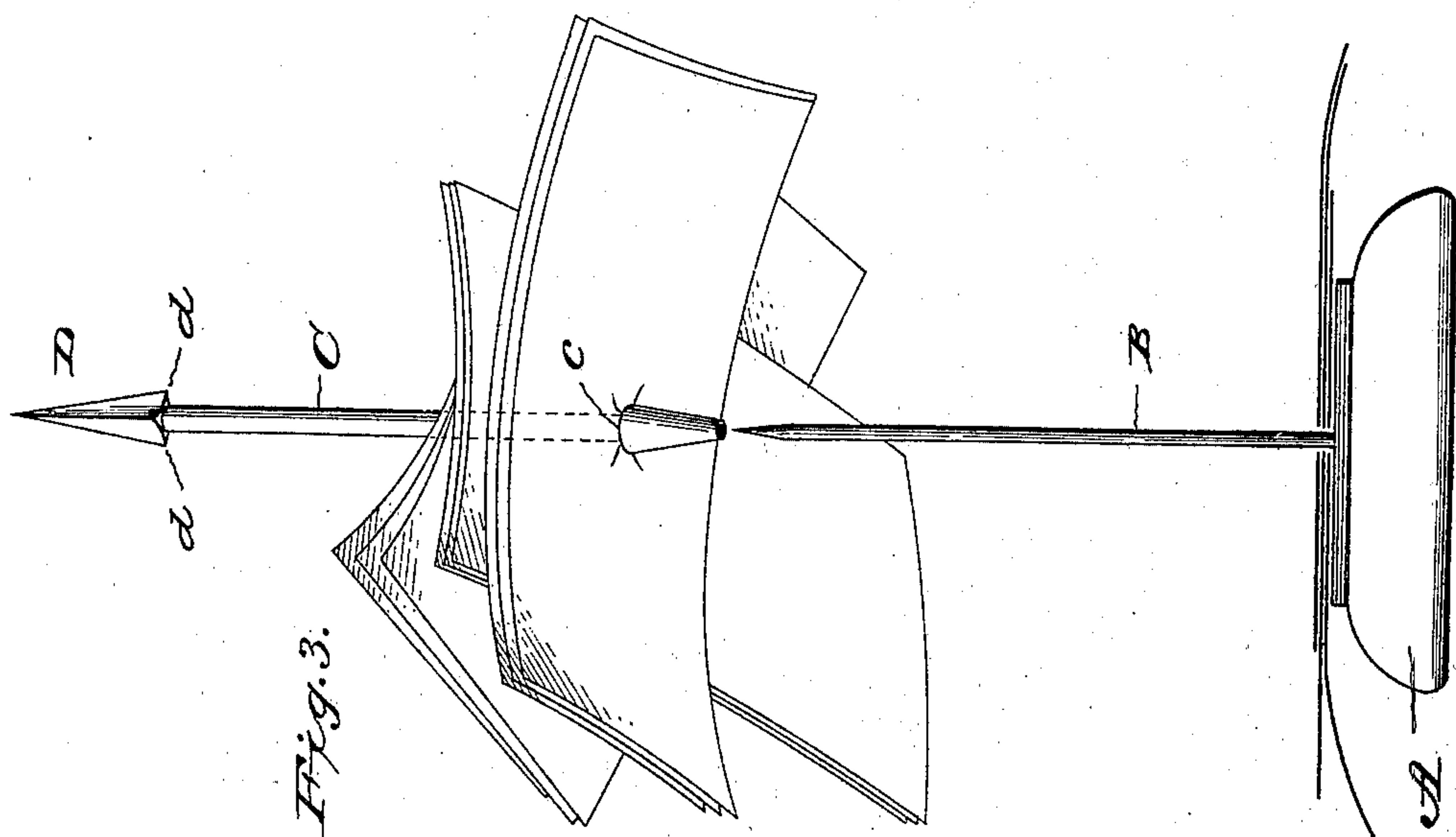
No. 625,692.

Patented May 23, 1899.

W. G. & J. W. MORGAN.  
BILL FILE.

(Application filed Apr. 21, 1898.)

(No Model.)



Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## BILL-FILE.

SPECIFICATION forming part of Letters Patent No. 625,692, dated May 23, 1899.

Application filed April 21, 1898. Serial No. 678,360. (No model.)

*To all whom it may concern:*

Be it known that we, WILLIAM G. MORGAN and JOHN W. MORGAN, citizens of the United States of America, residing at Hope Church, 5 in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Bill-Files; and we do hereby declare the following to be a full, clear, and exact description of the invention, such 10 as will enable others skilled in the art to which it appertains to make and use the same.

This invention is an improvement in bill-files, and relates more especially to that class which comprise a supporting-base and impaling-pin upon which the bills or papers are 15 held.

The object of the invention is to provide a device of this character by which any one of the bills or papers can be readily and conveniently removed without disturbing the relative arrangement of the others, the bills or 20 papers above the one to be removed being held together upon a tube or hollow pin, while those remaining are left upon the base-block and stationary pin carried thereby.

The following specification enters into a detail description of the invention, and what we consider to be new in the particular construction and combination of parts comprising our 30 improved bill-file and desire protection upon is more particularly set forth in the appended claim.

In the accompanying drawings, which form a part of this specification, Figure 1 is a side 35 elevation of a bill-file constructed in accordance with our invention. Fig. 2 is a vertical sectional view. Fig. 3 is a view showing the application of our invention.

With reference to the drawings, A designates a flat rectangular block which forms 40 the base of the device. In the center of this block is secured a vertical pin B of the required length, and surrounding this pin the block A is provided with a recess or depression *a*, for the purpose hereinafter specified. 45

C designates a tube or hollow pin which is of greater length than the stationary pin B and is adapted to fit over the same and abut against the base-block. At the upper end of 50 the hollow pin or tube is a spear-head D, presenting lateral cutting-flanges *d*, the said

spear-head having a stem *d'*, which is passed into the end of the tube and secured therein either by screw-threads or frictional contact. It is apparent, however, that, if desired, the 55 spear-head could be formed integrally with the tube or hollow pin; also, that the shape of the head could be changed, though the one shown and described is the preferred form. The lower end of the tube or hollow pin is enlarged, as shown, forming an abrupt shoulder 60 *c*, from the outer edge of which the tube tapers to its lower end, terminating in a thin edge, as shown in Fig. 2, and in use this edge or end of the hollow pin rests within the recess *a*, encircling the stationary pin. 65

When the device is arranged for filing bills or other papers, the hollow pin is placed over the stationary pin and the bills or papers 70 filed thereon in the usual manner, the cutting edges of the spear-head slitting the paper rather than making a hole therein. Supposing a number of bills or papers are placed upon the pin or bill-file and it is desired to remove one which is located at about the center 75 of the stack, the operation is as follows: The papers or bills above the one to be removed are together slipped upward upon the hollow pin above the shoulder *c*, and then by lifting the hollow pin from the stationary pin 80 the said bills or papers are carried therewith, leaving the others upon the block and stationary pin with the required bill on top. After removing the bill or paper the hollow pin, with the bills carried thereby, is slipped 85 over the stationary pin and the tapered end will pass down through the bills that were left remaining upon the block. It will be seen that the operation does not disturb the relative arrangement of the bills, but provides for readily and conveniently removing 90 any one of them. The bills that are moved upward upon the hollow pin are prevented from slipping off by means of the enlarged portion or shoulder at the lower end, and by 95 tapering said end it will readily pass down through the other bills.

The device forms a very simple and cheap bill-file, and as it does not require any of the bills to be entirely removed in taking one 100 from the lower part of the stack the bills are not destroyed by increasing the size of the

hole, which would result if the bills had to be taken off and put on again every time one is removed. It will also be noted that it requires but a very short time to remove a bill  
5 or paper from a device constructed in accordance with our invention.

We are aware that it is not new to provide a bill-file comprising a block, a stationary pin or needle carried by the block, and a hollow removable pin or shield fitting over the  
10 stationary pin, and we therefore claim only the combination with such parts of certain specific features which make up our improved bill-file.

15 Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A bill-file, comprising a base-block, a sta-

tionary pin B extending upward therefrom, the base-block having a recess surrounding  
20 said pin, a hollow pin C of greater length than the stationary pin and adapted to fit over the latter, an integral enlargement near the lower end of said hollow pin forming a  
horizontal shoulder from which it tapers  
25 downward to a sharp edge, and a spear-head having a shank fitting in the upper end of the hollow pin, as herein shown and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM G. MORGAN.

JOHN W. MORGAN.

Witnesses:

S. W. GORDON,

FREDERICK W. SIMMONS.