

Feb. 14, 1933.

T. L. NEUMANN

**1,897,672**

### PAPER BOX FOR ARTICLES HAVING SHAFTS AND HANDLES

Filed Oct. 4, 1930

2 Sheets-Sheet 1

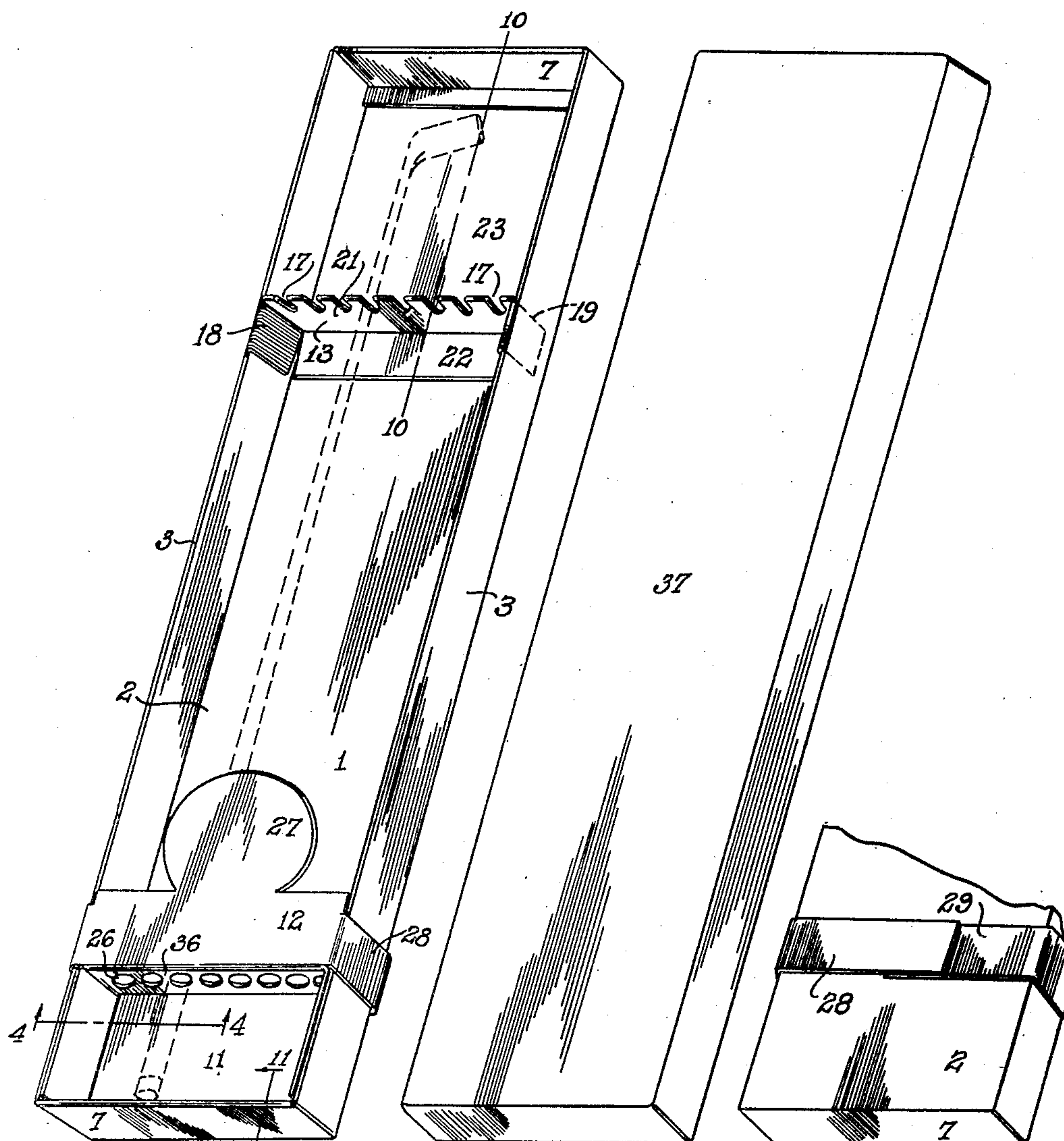


Fig. 1.

Fig. 2.

*Fig. 3.*

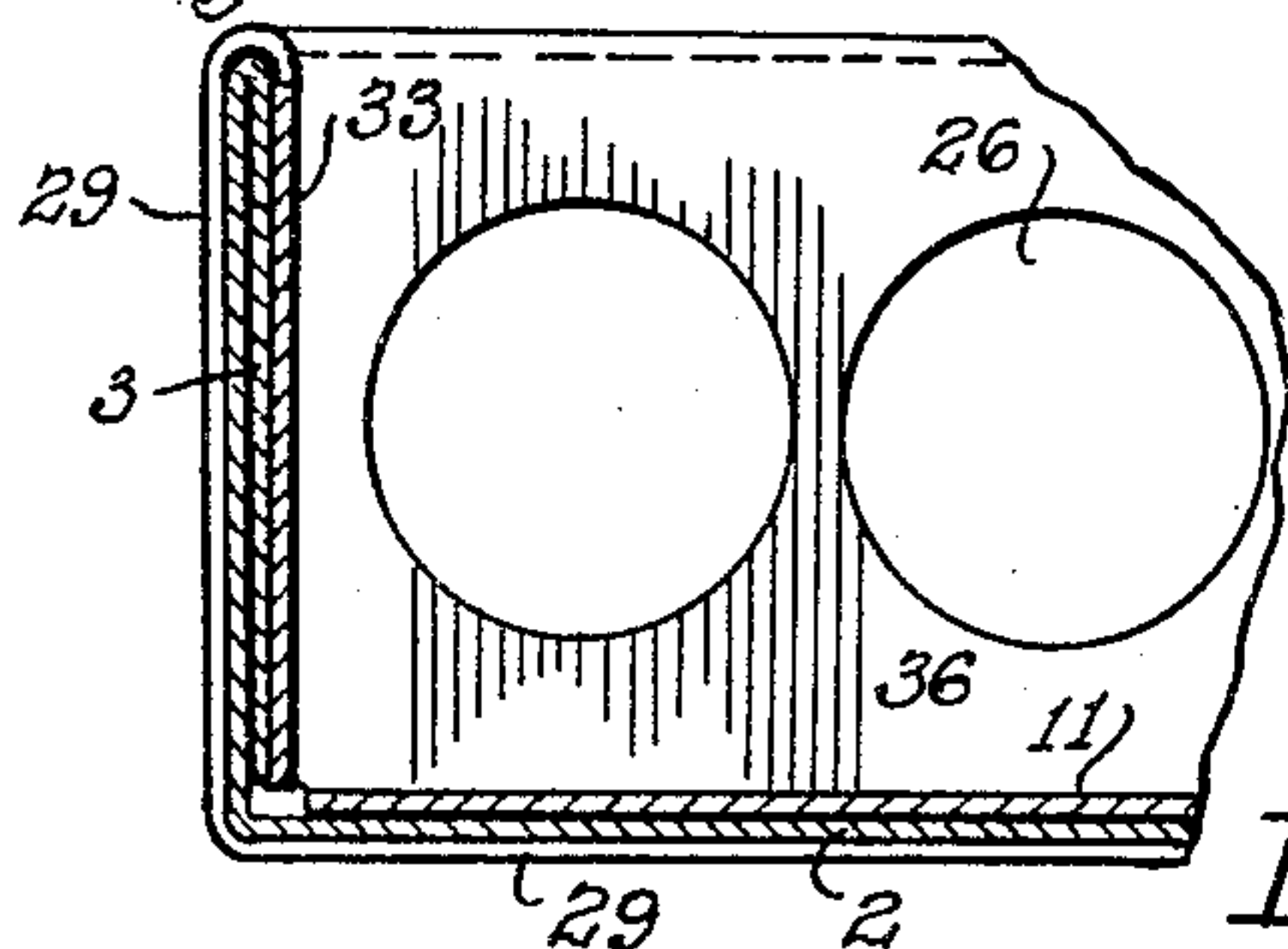
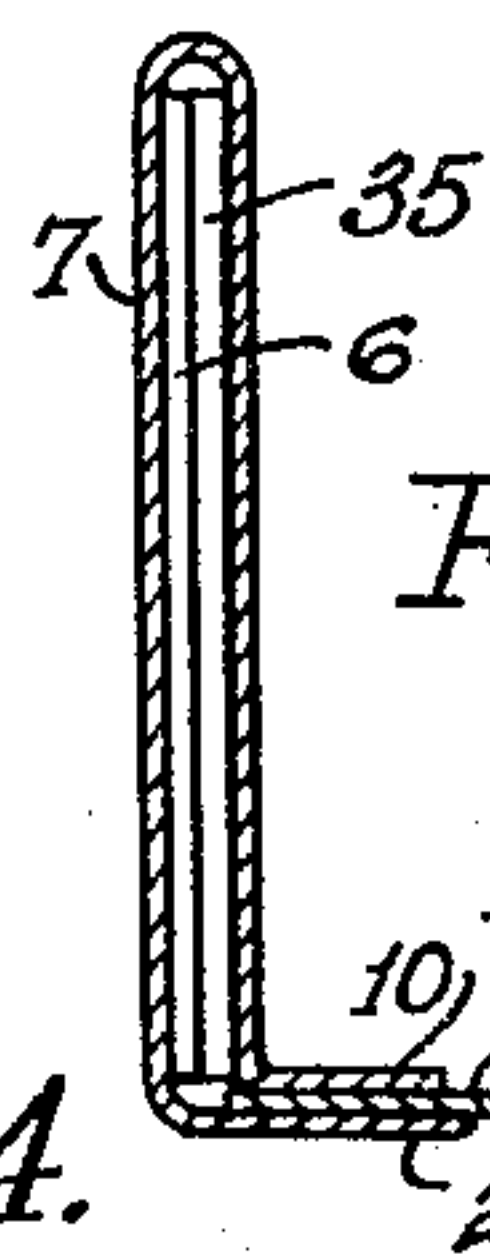


Fig. 4.



*Fig. 11.*

INVENTOR  
Theodore L. Neumann,  
BY Howard A. Smith,  
His ATTORNEY

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2 Sheets-Sheet 2

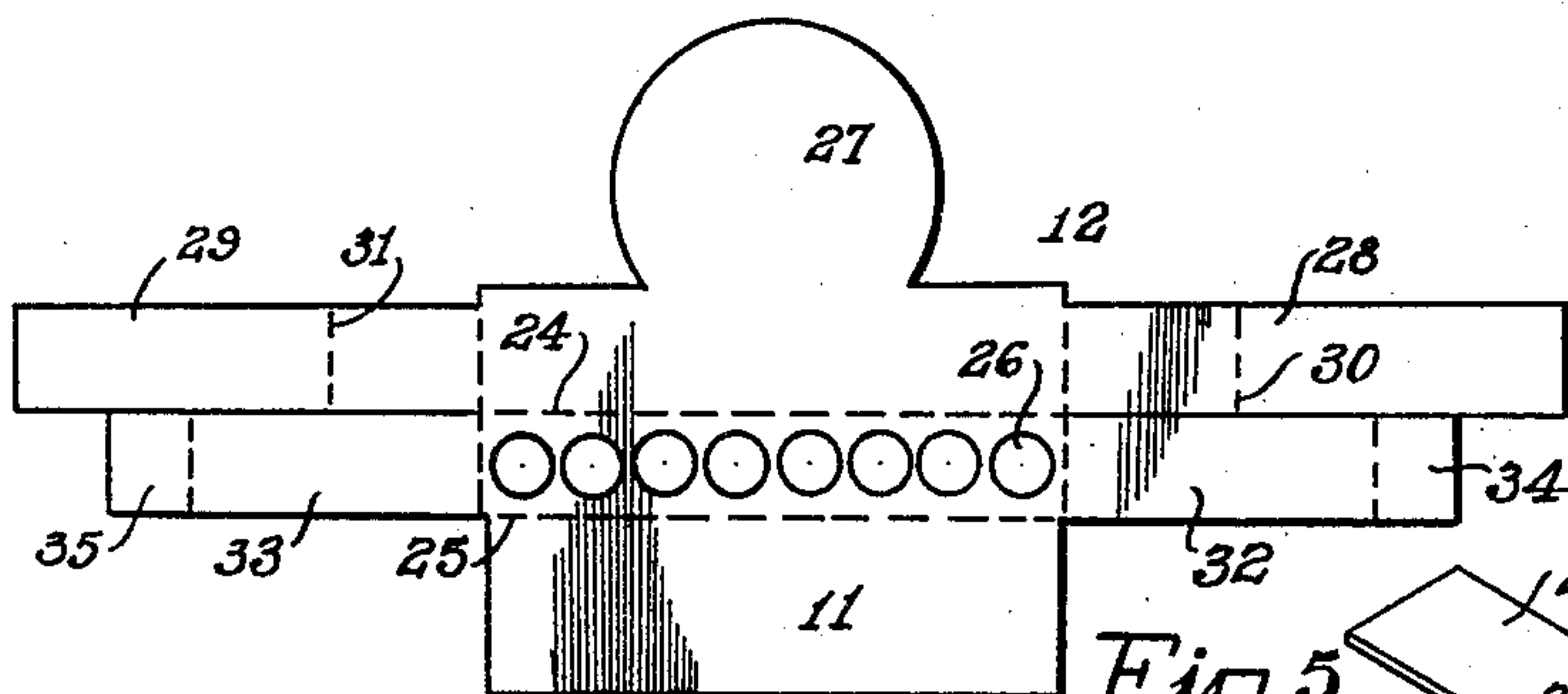


Fig. 5.

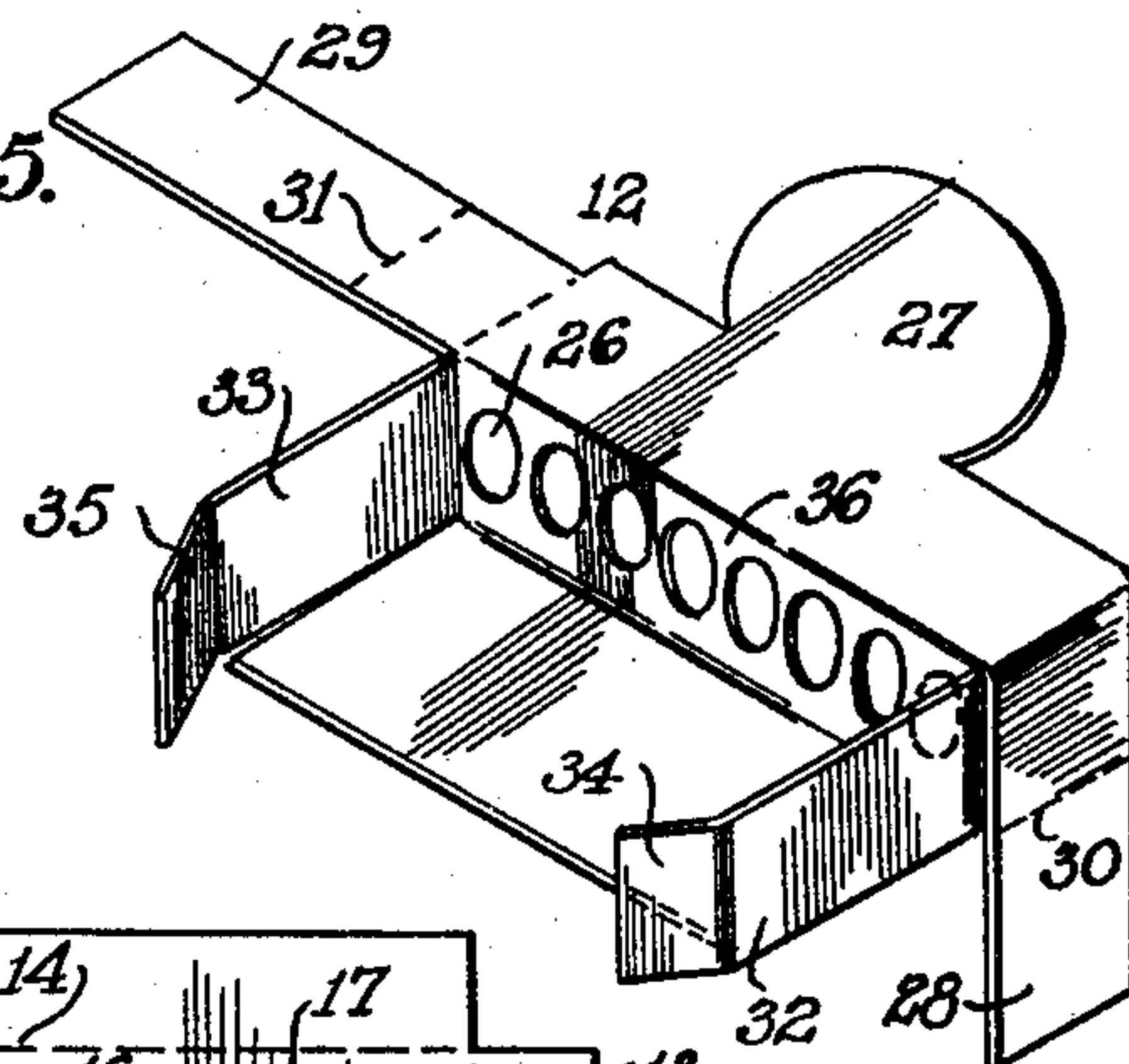


Fig. 6.

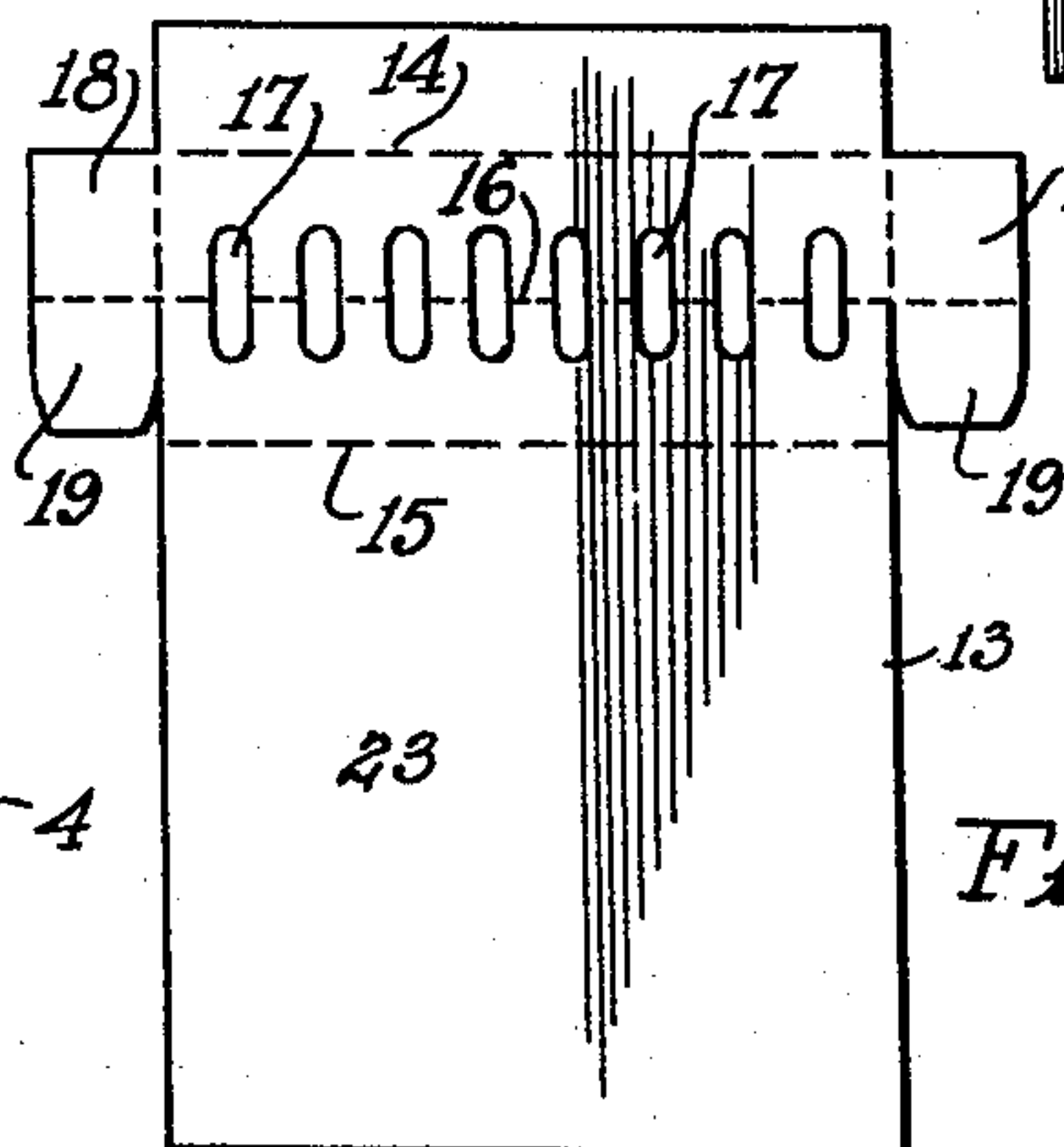
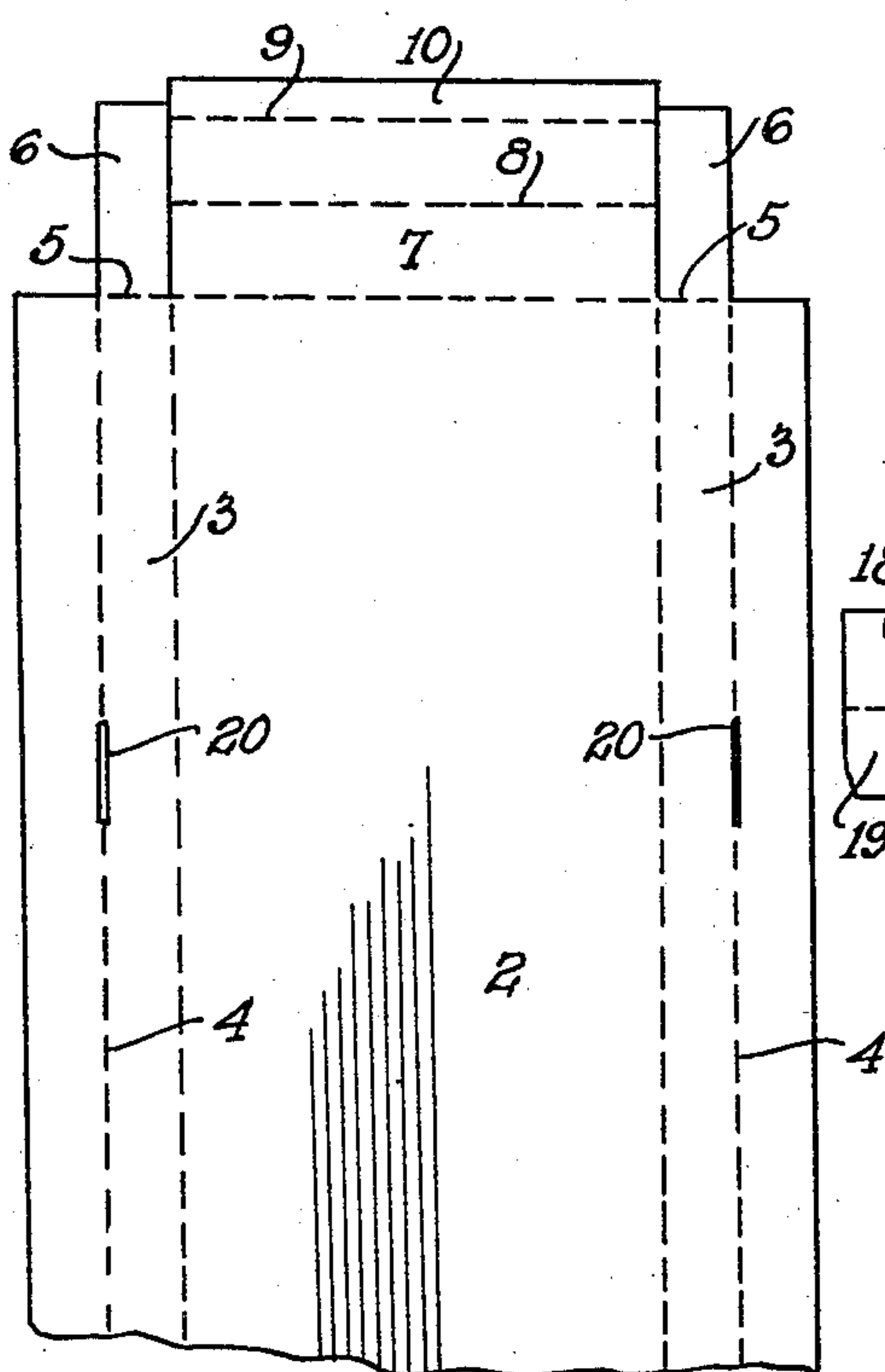


Fig. 7.

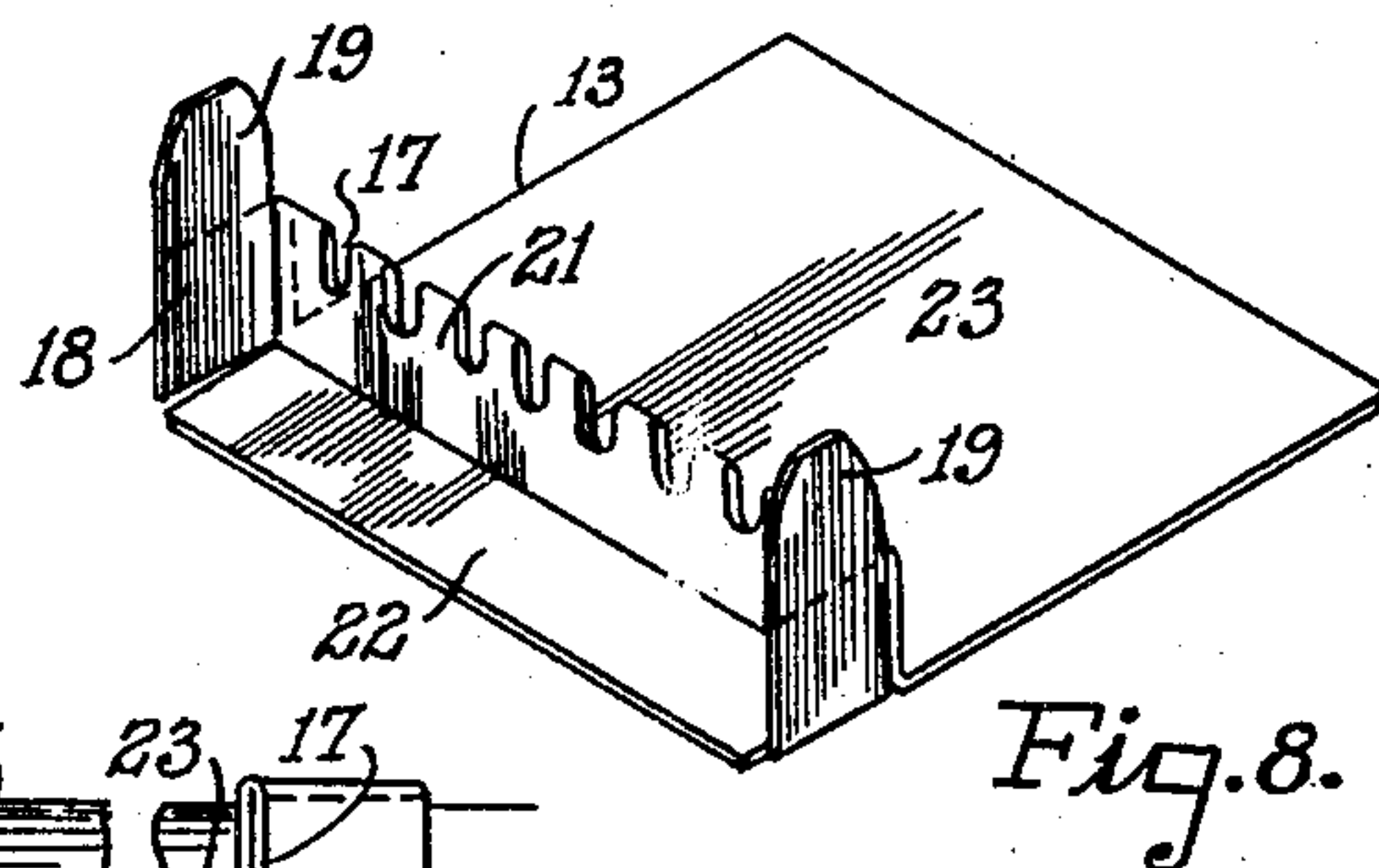


Fig. 8.

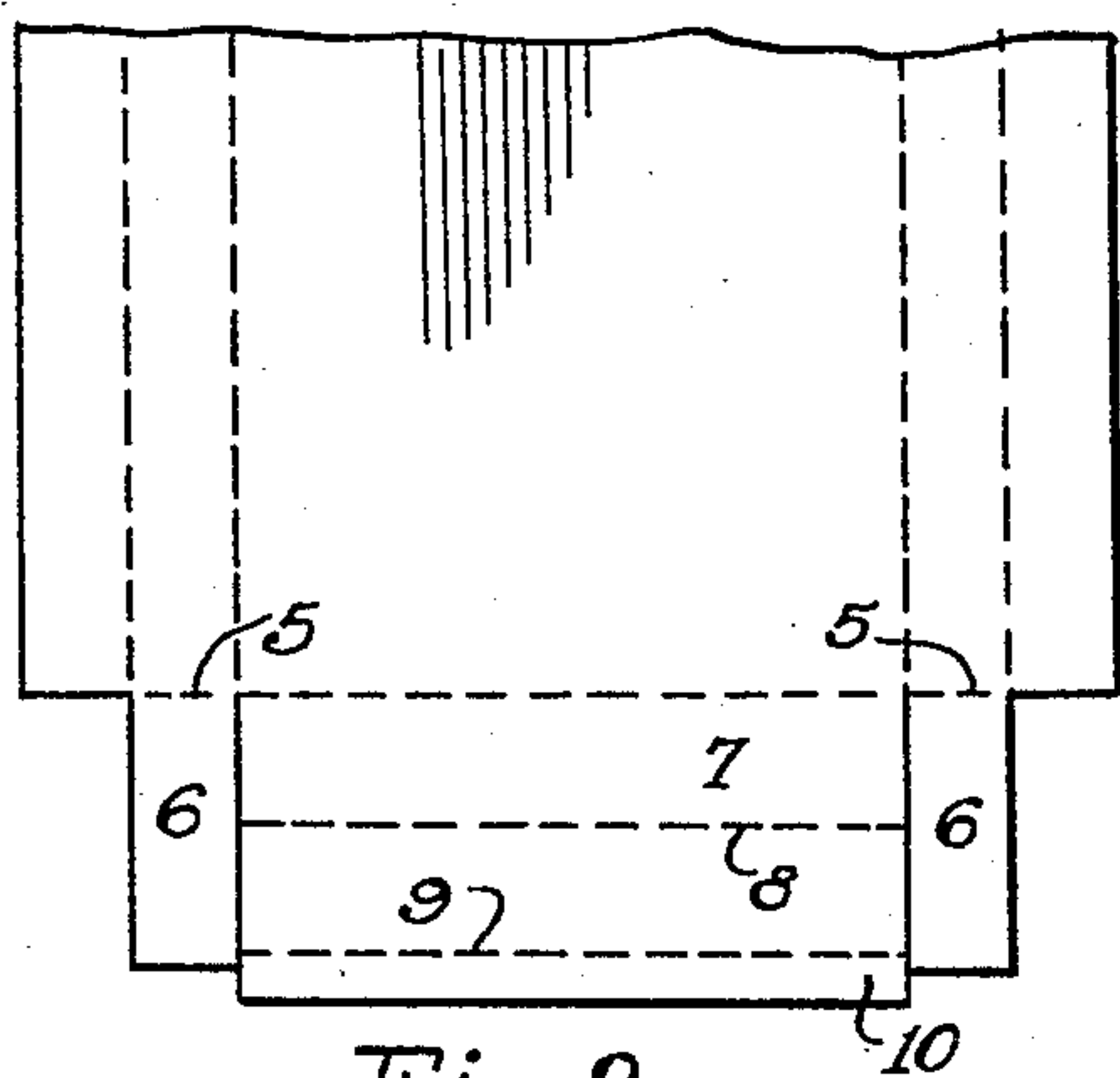


Fig. 9.

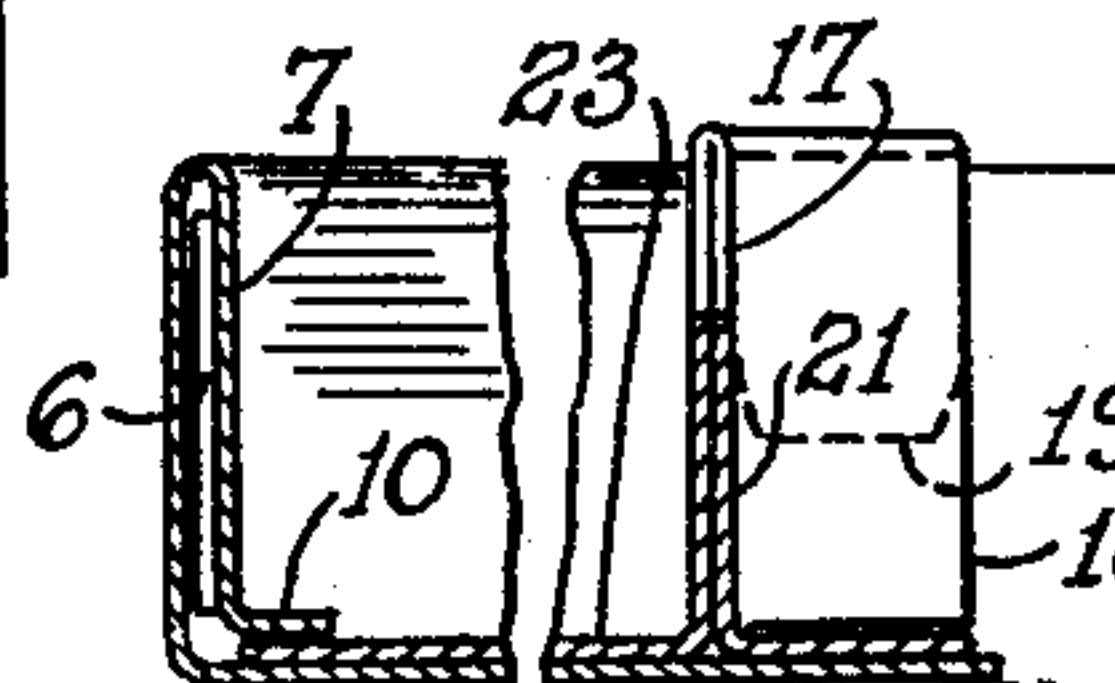


Fig. 10.

INVENTOR,  
Theodore L. Neumann,  
BY  
Howard P. Smith  
His ATTORNEY



## UNITED STATES PATENT OFFICE

THEODORE L. NEUMANN, OF DAYTON, OHIO, ASSIGNOR TO THE DAYTON PAPER  
NOVELTY COMPANY, A CORPORATION OF OHIO

## PAPER BOX FOR ARTICLES HAVING SHAFTS AND HANDLES

Application filed October 4, 1930. Serial No. 486,401.

This invention relates to new and useful improvements in paper boxes for articles having shafts and handles.

It is one of the principal objects of my invention to provide for the reception of articles having shafts and handles, such as golf clubs, hoes, and the like, a paper box in which they may be compactly shipped to, and attractively displayed by, a dealer.

It is another object of the invention to provide in my paper box a support for shafts or handles, which reinforces the sides and bottom of the box and is itself held in a firm position by extensions which enter slits in the side walls. These extensions not only assist in providing a firm support for the slotted shaft and handle member, which is stiffened by being doubled, but reinforce the side walls as well.

Still another object of my invention is to provide for the shafts and handles of the articles the box contains, an apertured support which, together with a band extending from it around the box, reinforces the bottom and side walls of the latter.

The paper box is particularly adapted to contain and display golf clubs, although it may be employed to receive other articles having shafts or handles.

Other important and incidental objects will be brought out in the following specification and particularly set forth in the subjoined claims.

In the accompanying drawings illustrating my invention, Figure 1 is a perspective view of the paper box with the lid removed. Figure 2 is a perspective view of the box lid. Figure 3 is a perspective view of that end of the paper box around which the reinforcing band is extended.

Figure 4 is a cross sectional view taken through an end portion of the box on the line 4—4 of Figure 1. Figure 5 is a plan view of the blank for the shaft or handle holder. Figure 6 is a perspective view of the same when folded for insertion in the paper box. Figure 7 is a plan view of the blank for the shaft support. Figure 8 is a perspective view of the same when set up for insertion in the paper box. Figure 9 is a plan view of the box

blank, showing the slits to receive the extensions on the shaft support. Figure 10 is a longitudinal sectional view taken through the box on the line 10—10 of Figure 1. And Figure 11 is a longitudinal sectional view taken through the opposite end of the box on the line 11—11 of Figure 1.

Referring to the accompanying drawings for a detailed description of my invention, the numeral 1 designates a blank of cardboard or similar material which is adapted to be folded along its crease lines to provide the bottom 2 of the box.

The blank 1 has sides 3, 3 which are adapted to be doubled along the crease lines 4—4 for stiffening. Beyond the crease lines 5 the sides 3 have extensions 6 that are adapted to be turned inward. Over these intumed side extensions 6, the ends 7 of the blank are adapted to be brought. These ends 7 are creased along the dotted lines 8 so that they may be doubled over the intumed extensions 6 to reinforce them. They are also formed, beyond the crease lines 9, with end flaps 10 that are adapted to bear against a bottom extension 11 of a handle or shaft holder 12 to be hereinafter described.

Adapted to be inserted in the front portion of the bottom 2 of the box when it is assembled as illustrated in Figure 1, is a shaft or handle support 13. As shown in Figure 7, the blank for this support consists of a rectangular piece of stiff cardboard or like material which has near one end two parallel crease lines 14 and 15 that are spaced apart as shown in said figure. Midway between these two lines is a crease line 16 parallel to them. Formed in the blank along this line 16, and at right angles to it, are parallel slots 17 formed with curved ends.

At the sides of the blank opposite the slots 17, are extensions 18, 18 formed with loose flaps or tongue portions 19 adapted to enter slits 20, 20 in the side walls of the box when the shaft support is inserted in the latter to reinforce these walls as well as to assist in holding the slotted part of the support in a raised position.

By doubling up that portion of the blank between the crease lines 14 and 15 and gluing



or otherwise securing the adjacent sides together, the raised portion 21 of the support is formed. As shown in Figure 8, the slots 17 will then be converted into curved recesses to receive the shafts or handles of the articles contained within the box, such as the golf club shown in dotted lines in Figure 1. A narrow flat extension 22 will then remain behind the erect portion 21, and a wide flat extension 23 will be in front of it to bear against the bottom of the box to reinforce the latter as well as to derive aid from it in holding the recessed portion 21 in a firm raised position.

The holder 12 now to be described is inserted in the rear part of the box to receive the handles or rear parts of the shafts of the articles contained within it.

Referring to Figure 5, the blank for this holder consists of a rectangular piece of cardboard provided with two middle parallel crease lines 24 and 25 between which there is a row of handle or shaft receiving holes 26. At the middle part of its front side the blank is formed with a rounded extension 27 to display advertising matter, although I am not limited to this form of an extension for that purpose.

Projecting outwardly from the sides of the holder blank are long extensions 28 and 29 provided with crease lines 30 and 31 respectively, whereby they may be turned to project under the box bottom 2 for connection by gluing or other means to reinforce it as shown in Figures 1 and 3.

Just below the extensions there project outwardly from the sides of the holder blank two free extensions 32 and 33 formed with end flaps 34 and 35 respectively. These extensions 32 and 33 are adapted to be turned inwardly as shown in Figure 6, to bear against the side walls of the box when the holder 12 is inserted within it, to reinforce them and to assist in holding the apertured part 36 of the holder in a firm raised position. The flaps 34 and 35 carried by these extensions are turned inwardly to bear against the inturned extensions 6, 6 of the side walls 3, 3. Over the extensions 6, 6 and the flaps 34 and 35 resting against them, the rear end 7 of the box bottom 2 is doubled to provide a stiff rear wall for the box.

When the holder 12 is set up as shown in Figures 1 and 6, there will be at the rear of the raised apertured portion 36, the flat extension 11 that rests against the bottom 2 of the box and which is in turn engaged by the rear end flap 10 of the box bottom 2. The interengagement of all these parts makes for a firm holder for the handles or shafts which project through its holes 26.

After the articles, in this instance golf clubs, are placed within the box, with their shafts within the recessed portions of the support 21 and their handles within the holes

26 of the holder 12, a cover 37 is applied to the box. When the latter reaches its destination, the cover may be removed and the box set up in an inclined position with the holder 12 at the bottom, to prominently display the articles it contains.

Having described my invention, I claim:

1. A paper box for articles having shafts and handles, comprising a bottom, side and end walls, a blank insertible in said box and doubled upon itself near one end thereof to form an erect portion formed with slots to receive said shafts or handles, and having a flat portion on each side of its erect portion to rest upon the bottom of said box, extensions on the ends of said erect portions of the blank, said side walls of the box formed with longitudinal slits, and tongues on said extensions adapted to enter slits for the purpose specified.

2. A paper box for articles having shafts and handles, comprising a bottom, side and end walls, an erect transverse member resting upon the bottom of the box and projecting from one side wall to the other of the same, to hold said shafts or handles, a wing portion secured to the top part of said apertured member, and a band projecting from the ends of said wing portion around the sides and bottom of said box for the purpose specified.

3. A paper box for articles having shafts and handles, comprising a bottom, side and end walls, an erect flat transverse member resting upon the bottom of said box to hold the rear parts of said shafts or handles, extensions projecting rearwardly from the ends of said transverse member, along the side walls of the box, and inwardly turned flaps on the ends of said extensions adapted to bear against the rear end wall of said box.

4. A paper box for articles having shafts and handles, comprising a bottom, side and end walls, a flat erect transverse member formed with holes to receive the rear end portions of said shafts or handles, a flat base part on said transverse member, resting upon the base of the box, and extensions projecting rearwardly along the sides of the box, from the ends of said transverse member, to cooperate with the base in holding it in an erect position within the box.

In testimony whereof I have hereunto set my hand this 2nd day of October, 1930.

THEODORE L. NEUMANN.