

No. 663,726.

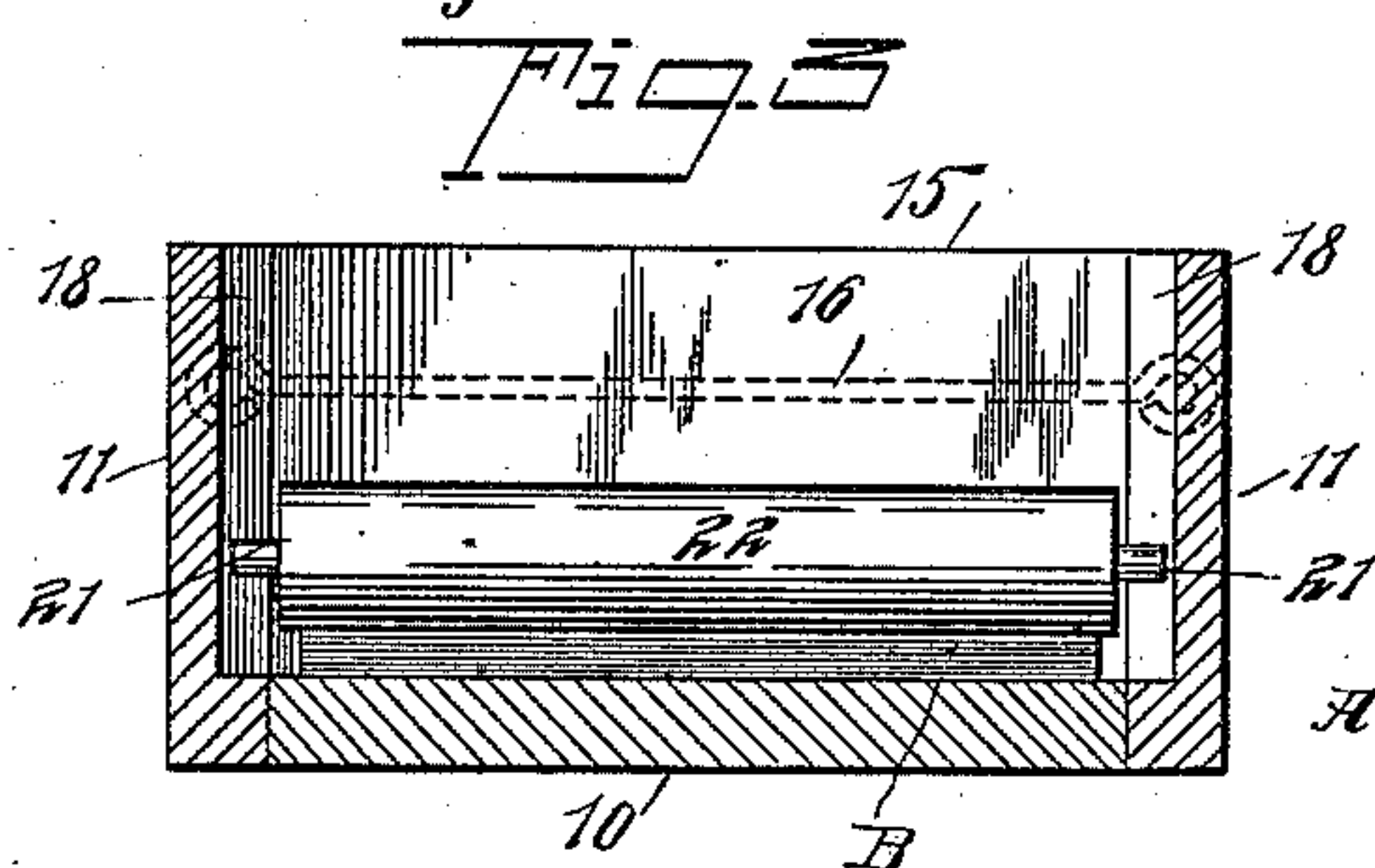
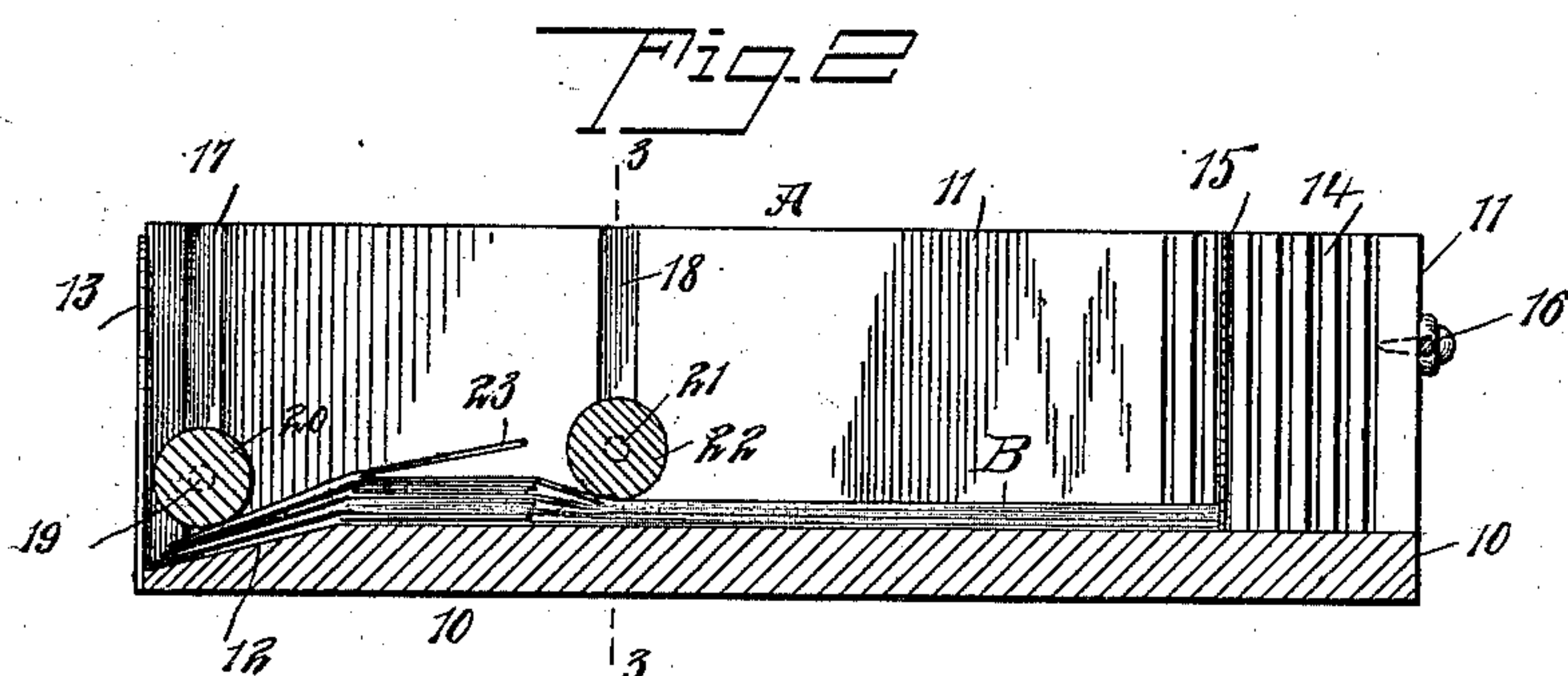
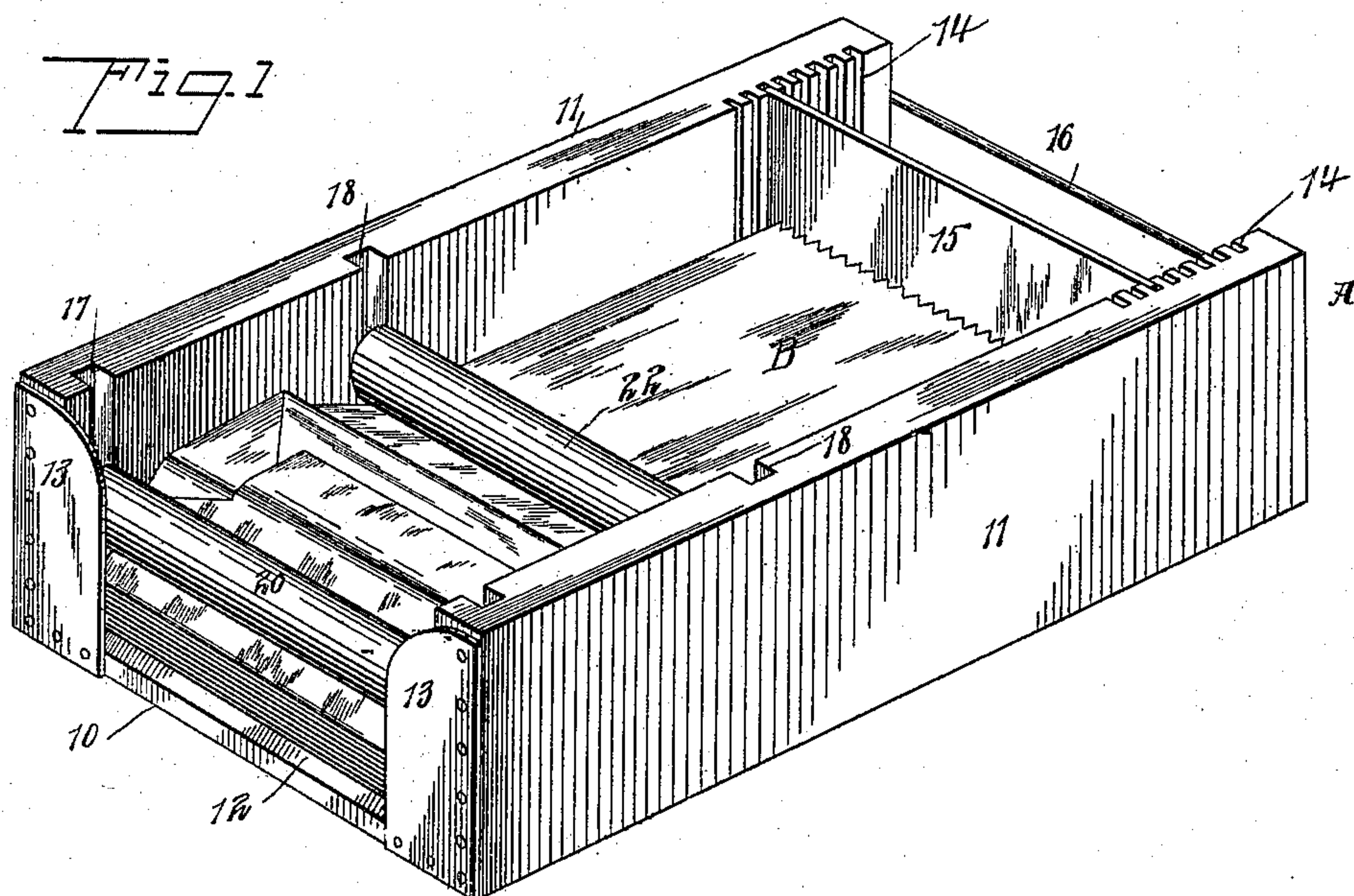
Patented Dec. 11, 1900.

J. CARLEN.

RECEIVER FOR FOLDED PAPER BAGS.

(Application filed Apr. 9, 1900.)

(No Model.)



WITNESSES:

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JOHN CARLEN, OF HAVANA, NORTH DAKOTA.

RECEIVER FOR FOLDED PAPER BAGS.

SPECIFICATION forming part of Letters Patent No. 663,726, dated December 11, 1900.

Application filed April 9, 1900. Serial No. 12,082. (No model.)

To all whom it may concern:

Be it known that I, JOHN CARLEN, a citizen of the United States, and a resident of Havana, in the county of Sargent and State of North Dakota, have invented a new and Improved Receiver for Folded Paper Bags, of which the following is a full, clear, and exact description.

One purpose of the invention is to provide a device capable of receiving folded paper bags of any size and to so sustain the bags in the device that they will be kept smoothly lying one upon the other and held in such manner that one bag only can be withdrawn at one time, and whereby the bottom folded portions of the bags will serve as a medium through which said bags may be grasped, thus facilitating their withdrawal.

Another purpose of the invention is to provide a device of the character above set forth which will be exceedingly simple, durable, and economic and in which the lowermost bag will be held in as proper a position as the upper or any of the intermediate bags, and also to so construct the invention that roller-weights provided for holding the bags in position will automatically accommodate themselves to the thickness of the package of bags or to the thickness of a single bag contained in the device.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved device. Fig. 2 is a longitudinal vertical section through the device; and Fig. 3 is a transverse section through the device, taken substantially on the line 3 3 of Fig. 2.

The body A of the device is in the nature of a receptacle comprising a bottom 10 and sides 11, attached to the bottom in any suitable or approved manner, and the upper surface of the bottom at its forward end is given a drop or downward and outward inclination 12. (Shown best in Fig. 2.) Shields or guards 13, made of metal or of any suitable material, are attached to the front ends of the sides 11

and extend laterally in direction of each other some distance beyond the inner faces of the sides pieces 11 of the body A, as shown in Fig. 1. These shields or guards 13 extend vertically from a point at or near the top of the side pieces 11 to the bottom portion of the body A, and the upper inner edges of these shields or guards 13 are usually more or less rounded.

A series of vertical slots or grooves 14 is made in the inner face of each side piece 11 at the rear of the body, and these grooves are adapted to accommodate or receive a back plate or board 15, and the rear portion of the body A is strengthened by a connecting-rod 16 or the equivalent of the same.

At the forward portion of the body A of the receptacle corresponding grooves 17 are made in the inner face of the sides 11, and usually between the center of the said side pieces and the forward ends of the same similar grooves 18 are produced. The forward grooves 17 are adapted to receive the spindles 19 of rollers 20, and these rollers are usually made quite heavy, while the vertical grooves 18 receive the spindles 21 of a roller 22.

The paper bags B are folded in the ordinary manner and the mouth portions of the bags are placed at the rear end of the receptacle, while the folded bottom portions of the bags are brought to the forward portion of the receptacle, as shown best in Fig. 2. The forward roller 20 has bearing upon the stack of bags at the forward inclined portion of the bottom of the receptacle, as shown in Figs. 1 and 2, and by reason of the inclination 12 at the bottom of the receptacle the rearwardly-extending fold 23 of the uppermost bag is held in an upper inclined position or away from the body portion of the bag, as is clearly shown also in Fig. 2, which enables the operator to quickly grasp the section 23 of the uppermost bag and draw the said bag from beneath the forward roller 20 and then from beneath the inner roller 22, whereupon the two rollers gravitate to a bearing against the next bag, which will then be the uppermost one and the next to be withdrawn. Under such conditions it will be observed that the bags are held evenly in the receptacle and that only one bag can be withdrawn at one time, and the withdrawal of the uppermost

bag may be conveniently and expeditiously accomplished. The series of slots or grooves 14 at the rear of the receptacle A enables the operator to place the slide 15 in such position 5 that it will be adjacent to the mouth portions of bags of different lengths.

It will be understood that any desired number of the devices described may be grouped together, forming a cabinet in which bags of 10 various sizes may be held in readiness for use, and under some circumstances such a combination is desirable.

Having thus described my invention, I claim as new and desire to secure by Letters 15 Patent—

1. A receiver for paper bags, comprising a receptacle adapted to receive folded bags, the bottom of the receptacle being inclined at the upper front face, and rollers mounted to slide 20 vertically in the side walls of said receptacle and adapted to rest upon the uppermost bag of a pile one near its center and the other over said inclined portion, substantially as specified.

25 2. A receiver for paper bags, comprising a receptacle for bags, the bottom of the receptacle having a drop at its upper front face, a pressing device movable vertically in the receptacle over said drop, and a pressing device 30 movable vertically in the receptacle rearward of said drop portion, substantially as specified.

3. A receiver for folded paper bags, com-

prising a receptacle, the bottom of which is inclined at its upper face at the front, an ad- 35 justable back board located at the rear of the receptacle, a gravity-roller having guided movement in the sides of the receptacle and located above the inclined portion of its bottom, and a second and inner roller of like character, also having sliding movement in the 40 sides of the receptacle, both of which rollers are adapted for engagement with the uppermost bag of a series placed in the receptacle.

4. In a receiver for folded paper bags, the 45 combination, with a receptacle comprising a bottom, sides, an adjustable rear board, the said sides having grooves in their inner sides and guards at the forward ends of the sides, the upper surface of the bottom of the receptacle at its forward end being downwardly inclined or beveled, of rollers provided with 50 spindles loosely mounted in the grooves produced in the inner faces of the side pieces, which rollers are located one over the inclined or beveled portion of the bottom and the other 55 at a point near the central portion of the receptacle, for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of 60 two subscribing witnesses.

JOHN CARLEN.

Witnesses:

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E. J. SERACH.