

S. S. KURTZ.

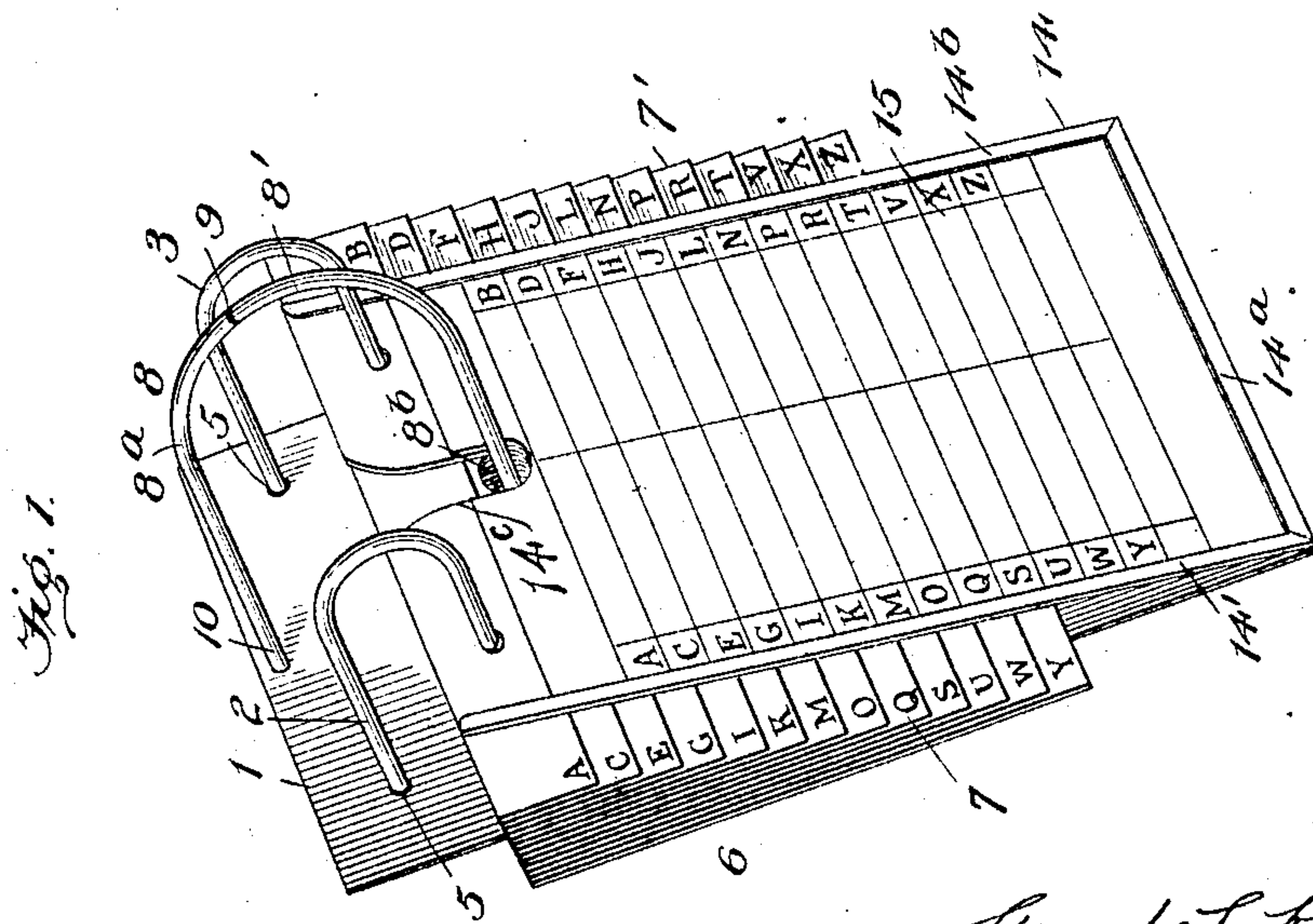
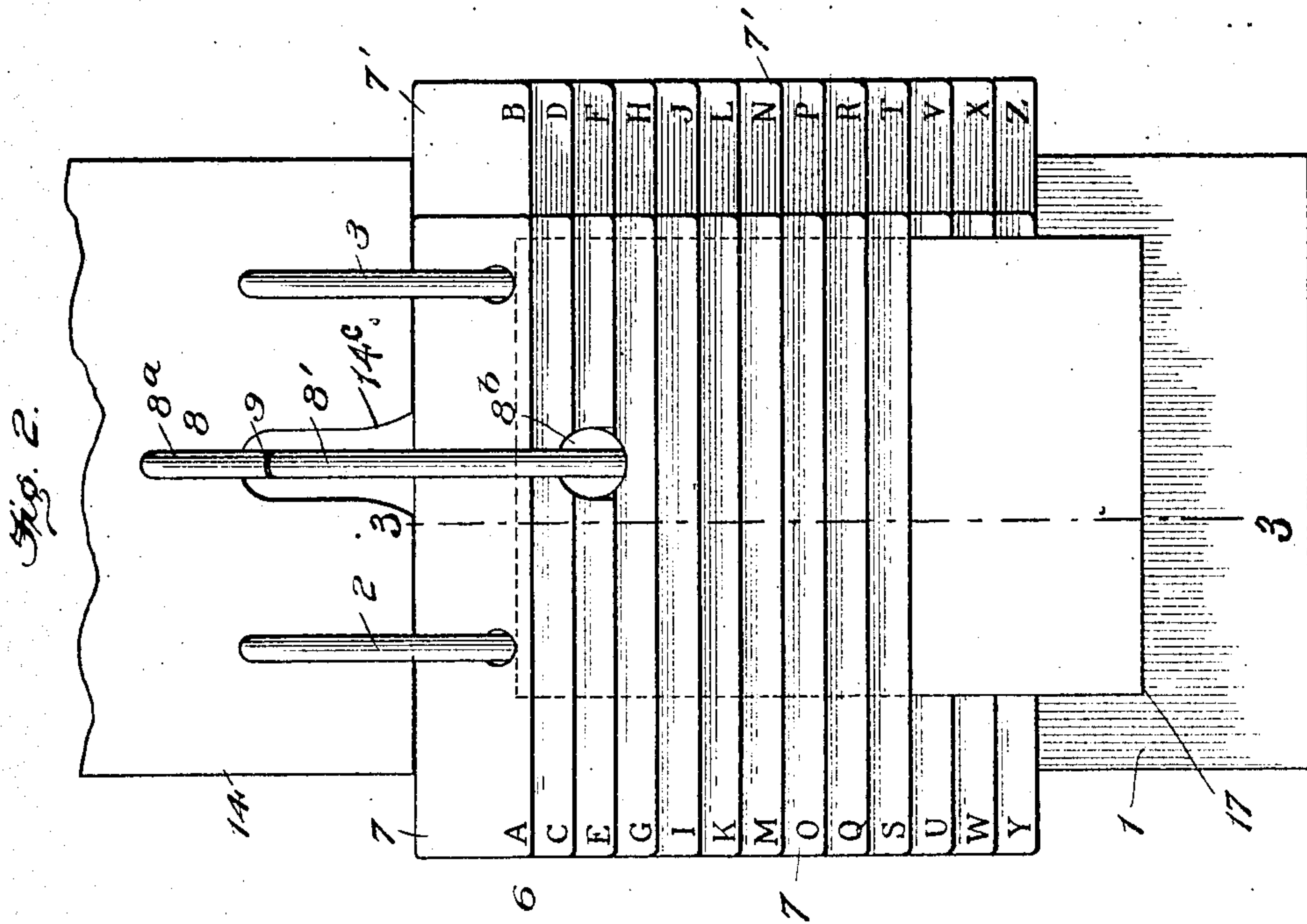
FILE.

APPLICATION FILED JULY 10, 1907.

916,565.

Patented Mar. 30, 1909.

2 SHEETS—SHEET 1.



Witnesses

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Inventor

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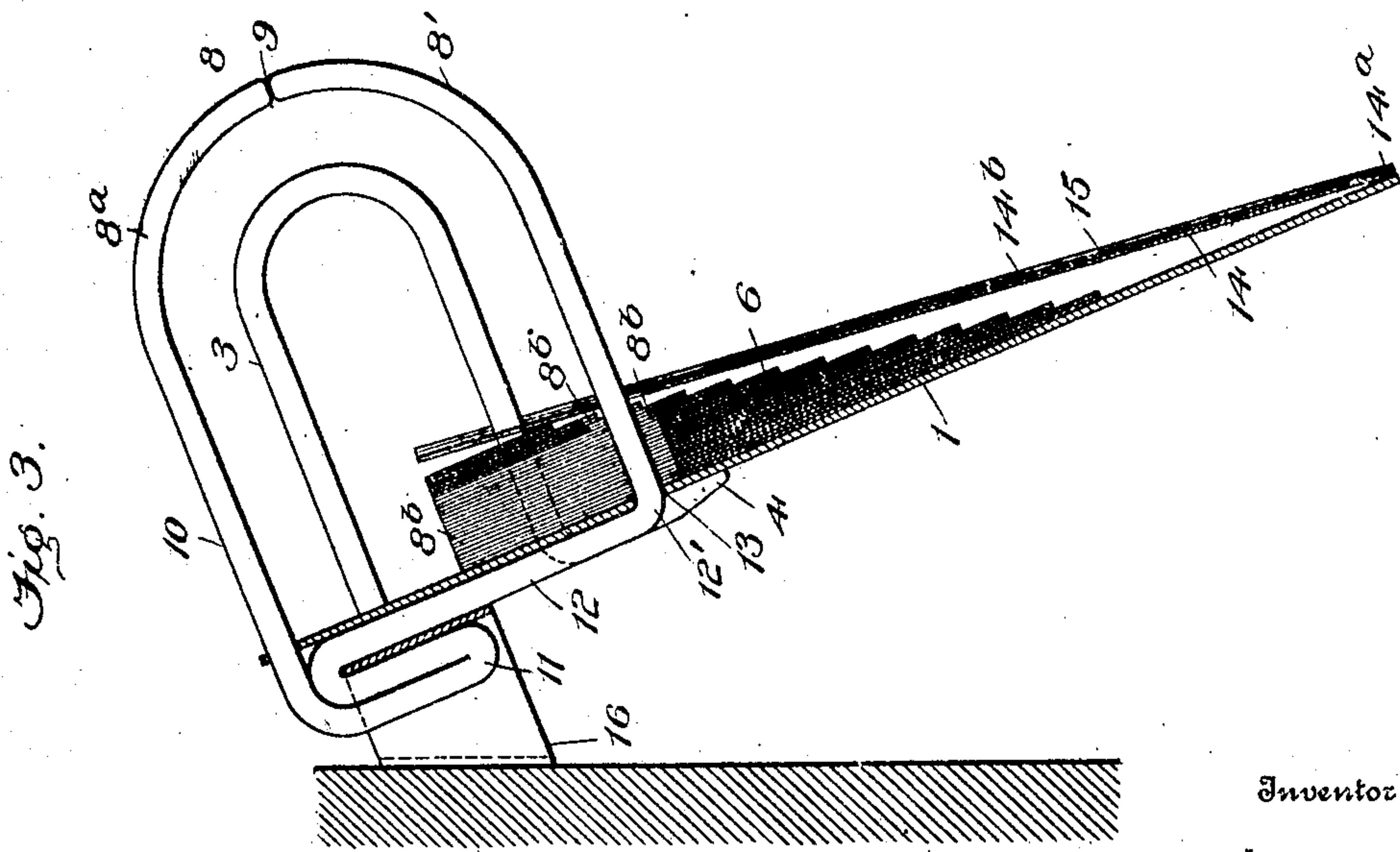
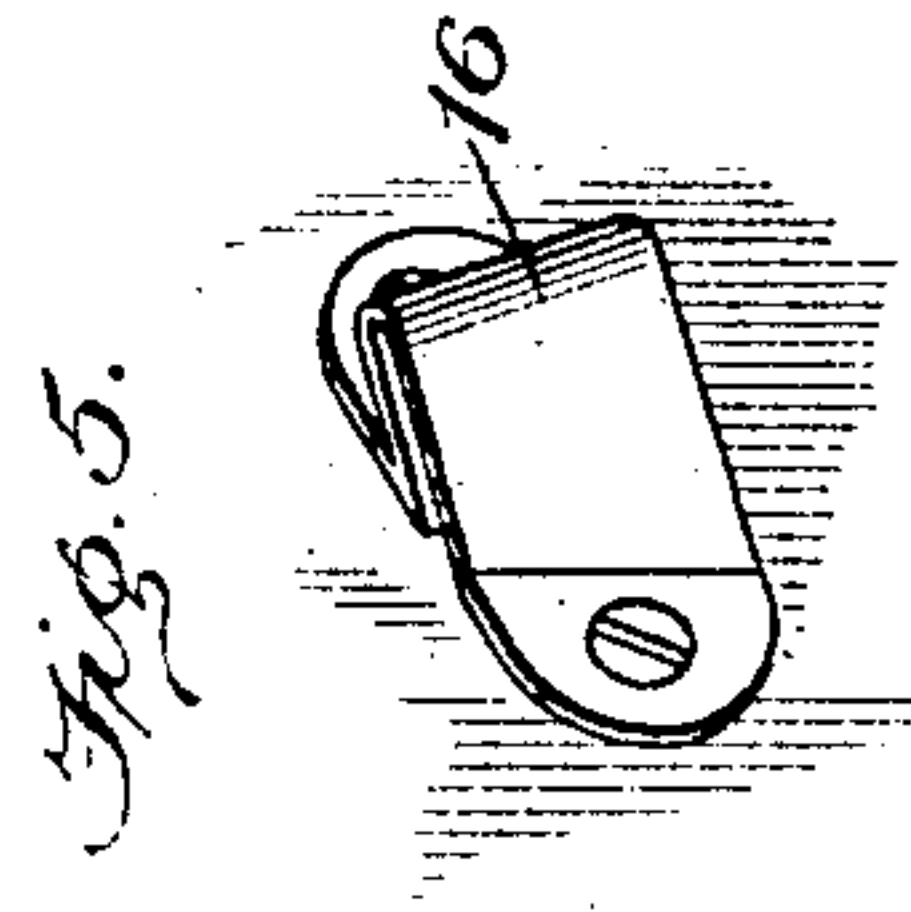
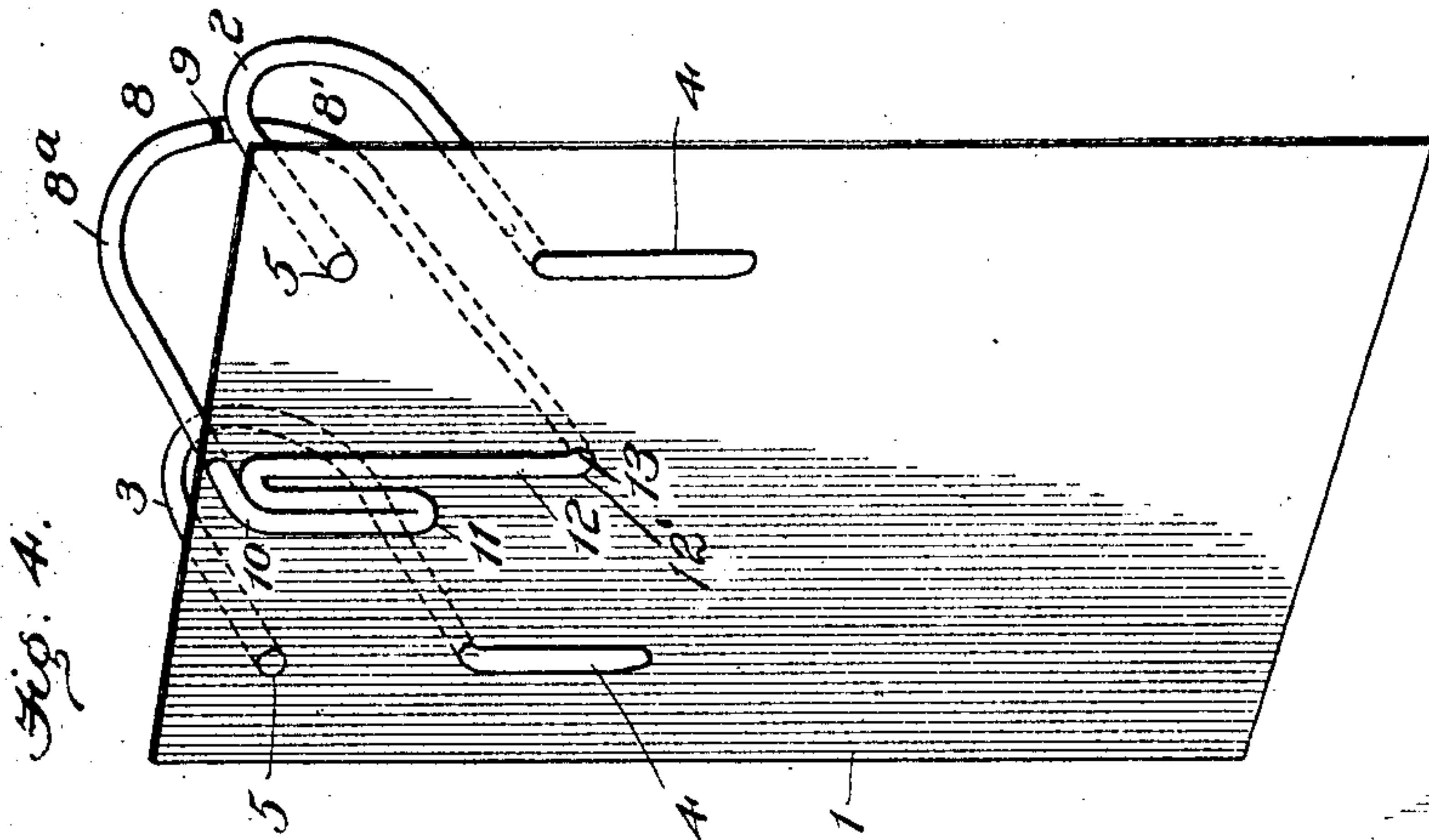
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2 SHEETS—SHEET 2.



Inventor

Witnesses

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UNITED STATES PATENT OFFICE.

STEWART S. KURTZ, OF CANTON, OHIO.

FILE.

No. 916,565.

Specification of Letters Patent.

Patented March 30, 1909.

Application filed July 10, 1907. Serial No. 383,031.

To all whom it may concern:

Be it known that I, STEWART S. KURTZ, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Files, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in paper files.

One of the objects of the invention is to construct a file into which slips of paper may be easily and rapidly placed.

The use of sales books with sets of manifolded slips upon which the data relating to any business transaction is recorded having become very extensive, it is essential to the proper operation of a system in which such sales-books are employed, that the slips retained by the proprietor be systematically filed away in as simple manner and compact form as possible. With this object in view, I have made certain improvements upon the file shown in Letters Patent of the United States, No. 807,783, to Edward M. Shreiner, for bill file.

A device embodying my improvements is, for the purpose of illustration, shown in the accompanying drawings, in which:

Figure 1 is a perspective view of a file and its supporting means, embodying my improvements. Fig. 2 is a plan view of the same with the index thrown open. Fig. 3 is a section on the line 3—3, Fig. 2. Fig. 4 is a perspective view looking at the bottom of the base plate. Fig. 5 is a perspective view of the socket element of the file support, detached.

In the drawings,—1 represents a base plate of any suitable shape and material.

2 and 3 indicate U-shaped arches, each continuous from end to end and preferably made of metal wire. The end of one leg of each of said arches is carried through an aperture in the base plate and then bent parallel to the base plate and soldered or otherwise secured thereto in any suitable manner, as indicated at 4. I prefer that the front legs of these continuous arches shall be the ones which are rigidly secured to the base plate. The ends of the rear legs of each of said continuous arches preferably extend into holes, 5, 5, suitably arranged to receive them at the upper end of the base plate, in such manner, that the free ends of the rear legs of the arches may be inserted

into or withdrawn from said holes, as desired, each one normally extending for a slight distance into the adjacent hole 5.

6 represents an index. Preferably it is composed of pairs of index cards or strips 7, 7', the two index cards constituting each pair, being similar in size and construction, but apertured and mounted on the continuous arches 2, 3, so as to have the outer end of one index extend into exposed position at the left hand side of the file, and the outer end of the other index card of said pair extend into exposed position at the right hand side of the file.

8 is an arch for receiving the paper slips to be filed. It is larger in size than the continuous arches 2, 3, between which it is arranged. It is formed in two parts, a front one 8', and a rear one 8^a, the adjacent ends of which are slightly spaced apart as indicated at 9, to permit a piece of paper to be inserted between them.

I prefer to form the paper-slip carrying arch 8 of a single piece of wire 10, bent back upon itself intermediate of its ends to form a hook shaped portion 11 arranged on the under side of the base plate 1. From this hook 11 one end of the wire is carried forward along the base plate, as indicated at 12, and may be suitably secured to the base plate. At 12' it is bent upward and extended through an aperture 13 in the base plate and carried upward above said base plate and suitably curved to form the front arm 8' of the arch 8. The other end of the wire leading from the hook 11 is carried up through the base plate and suitably curved to form the rear leg 8^a of the paper-slip arch.

14 is a suitable cover and index carrier. Preferably it is made of a sheet of metal with three of its edges turned over, as indicated at 14', 14^a, and 14^b to form a suitable guide and holder for an index sheet 15. This index cover 14 is suitably apertured and fitted over the continuous arches 2, 3, and is recessed as indicated at 14^c to receive the paper-slip arch 8.

Each one of the index cards 7, 7', which extends beyond the vertical transverse plane of the front leg 8' of the paper slip arch is recessed, as indicated at 8^b, to receive the said arch, and permit the detachment of each index card from the continuous arches 2, 3. Several pairs of the uppermost and narrowest index cards are thus recessed from their

lower edges inwardly, the rest of the index cards being thus recessed from their upper edges inwardly.

The indexing of the index cards and of the index sheet 15 may be done in any suitable manner. For example, I have shown an alphabetically arranged index for this purpose.

16 is a socket for receiving the hook 11, these two parts constituting a holding device for the file. This socket 16 may be made in any suitable manner, and secured in any desired place by means of screw 16' or any other well known manner.

The operation of the device will be readily understood. Assuming that it is desired to file a slip under the index card T, the operator places his finger beneath the end of the card marked T and throws it together with all of the index cards above it and the index cover, upward and over the arches carried by the base plate. The slip of paper 17 to be filed beneath the index card T is then inserted at 9 between the adjacent free ends of the legs 8', 8^a of the arch 8, and then pressed forward and downward. The slip will be held in proper position within the file by the front legs of the continuous arches 2, 3, which will engage with its upper edge and will cause the slip to be held in proper position within the file. When it is desired to remove any of the sales slips in the file, they may either be jerked out, or the index cards above them may be thrown back in the manner required when the slip is inserted, and the slip desired to be removed may be turned about the arch 8 until it is released at 9. In order to remove the index cover or the index cards, each one of these elements is thrown back against the base plate and the lower free ends of the rear legs of the continuous arches 2, 3, are elevated above the base plate and above the index card to be removed, when the latter may be readily withdrawn.

The particular advantage which a device embodying my invention has over and above one constructed in accordance with the disclosure in the said Shreiner patent No. 807,783, rests in the fact that the index cards in my device operate more smoothly than do those in the Shreiner device and cannot become detached from their guide arches, as is possible with the index cards in the said patented construction. Again, having but a single paper-slip carrying arch, requiring but a single perforation in the slip to be filed, rather than two as is necessary for the operation of the said patented construction, is of advantage in facilitating the ease and rapidity of operation of the file.

What I claim is:—

1. In a file, the combination of a base plate, continuous arches carried thereby, in-

dex cards mounted upon said arches to be swung from the front to the rear legs of said arches without possibility of detachment therefrom, and an arch for sales slips carried by said base plate, and formed in two parts, with a space between adjacent ends of the said parts to permit the placing of sales slips on said sales-slip arch.

2. In a file, the combination of a base plate, a pair of continuous U-shaped arches carried by said base plate, index cards, each mounted upon both of said arches to be swung from the front to the rear legs of said arches without possibility of detachment therefrom, and an arch for sales slips carried by said base plate and formed in two parts with a space between the adjacent ends of said parts to permit the placing of sales slips on said arch.

3. In a file, the combination of a base plate, a pair of continuous U-shaped arches, uniform in size, carried by said base plate, index cards, each mounted upon both of said arches to be swung from the front to the rear legs of said arches without possibility of detachment therefrom, and an arch for sales slips carried by said base plate, and formed in two parts with a space between the adjacent ends of said parts to permit the placing of sales slips on said arch, said sales-slip arch being larger in size than the said continuous arches for the index cards and arranged between them on the base plate.

4. In a file, the combination of a base plate, a pair of continuous arches, each having one leg secured to the base plate and the free end of its other leg arranged in close proximity to and movable toward and from the base plate, index cards mounted upon said arches to be swung from one leg to the other thereof without possibility of detachment from said arches, and a paper-slip holder carried by said base plate.

5. In a file, the combination of a base plate, a pair of continuous arches carried by said base plate and having the ends of their front legs secured to said base plate and the ends of their rear legs inserted in the apertures in said base plate, and movable into and from said apertures, index cards suitably apertured and mounted upon said continuous arches, and a paper-slip carrier carried by said base plate.

6. In a file, the combination of a base plate, a pair of continuous arches, each having one leg secured to the base plate and the free end of its other leg arranged in close proximity to and movable toward and from the base plate, index cards mounted upon said arches to be swung from one leg to the other thereof without possibility of detachment from said arches, an arch for sales slips carried by said base plate and formed in two parts with a space between the adjacent ends of the parts to permit the

placing of sales slips on said arch, said sales-slip arch being larger in size than the said continuous arches for the index cards and arranged between them on the base
5 plate.

7. In a file, the combination of a base plate, an arch carried by said base plate and formed of wire bent to form a hook on the

under side of said file, and a supporting socket to receive said hook.

In testimony whereof I affix my signature,
in presence of two witnesses.

STEWART S. KURTZ.

Witnesses:

Z. E. MACKENZIE,

L. LARSON.