

No. 776,992.

PATENTED DEC. 6, 1904.

G. BONNELL.
DOCUMENT BINDER FILE.
APPLICATION FILED NOV. 23, 1903.

NO MODEL.

Fig. 1

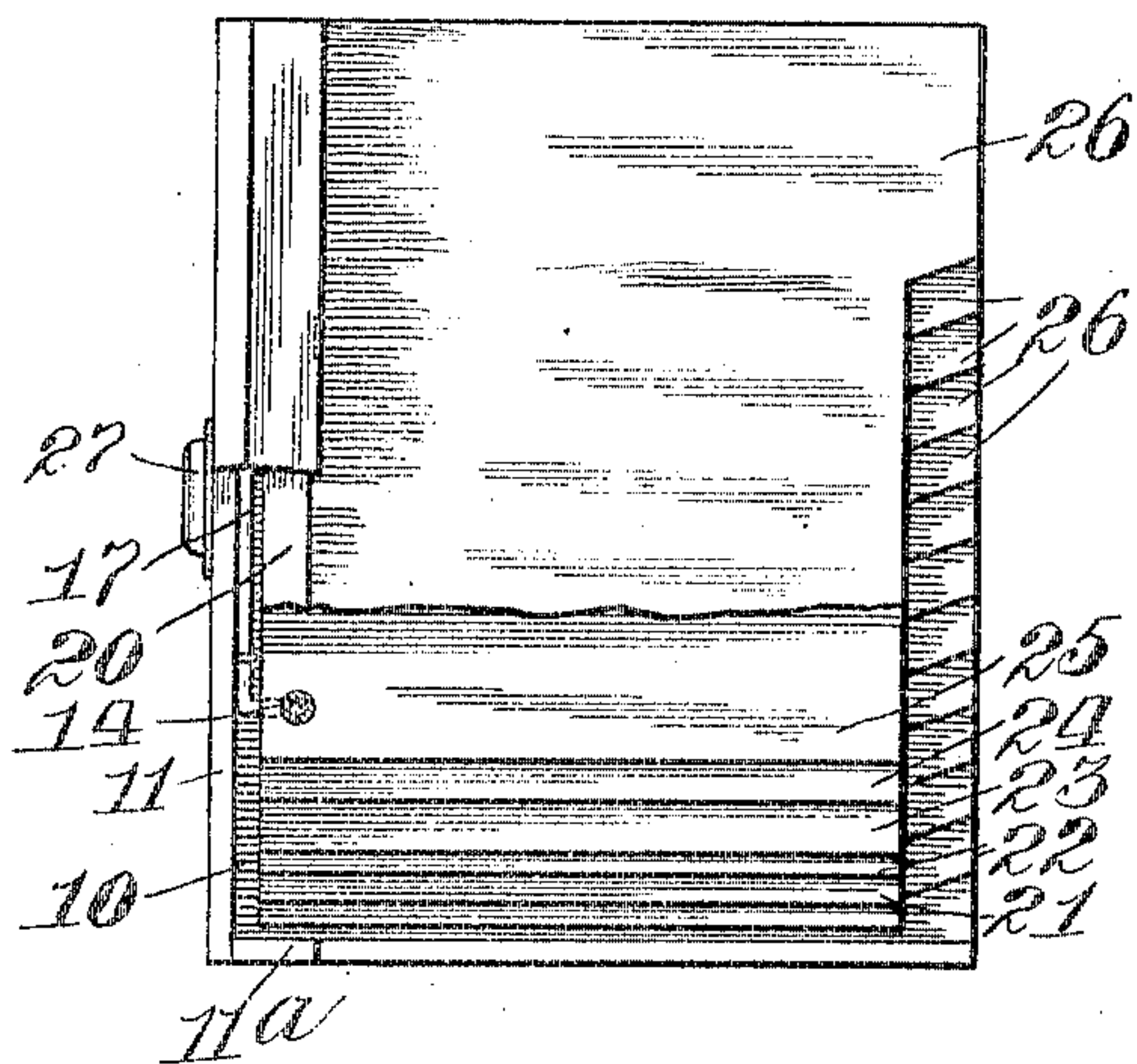


Fig. 4

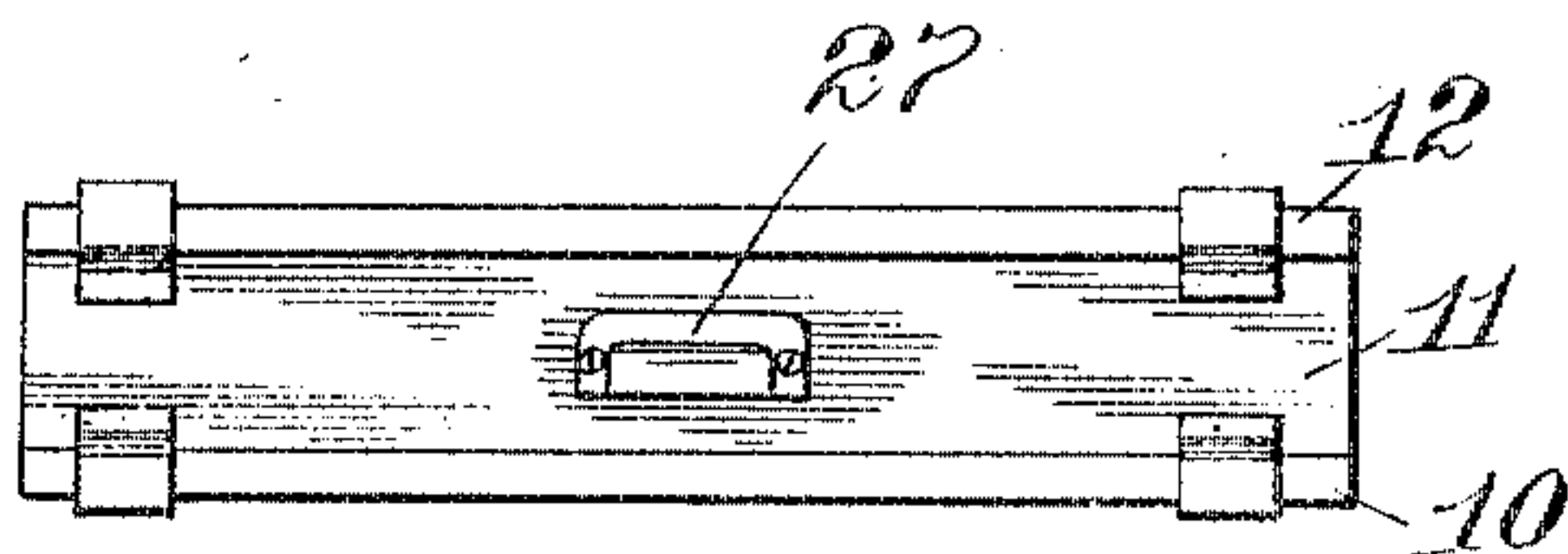


Fig. 5.

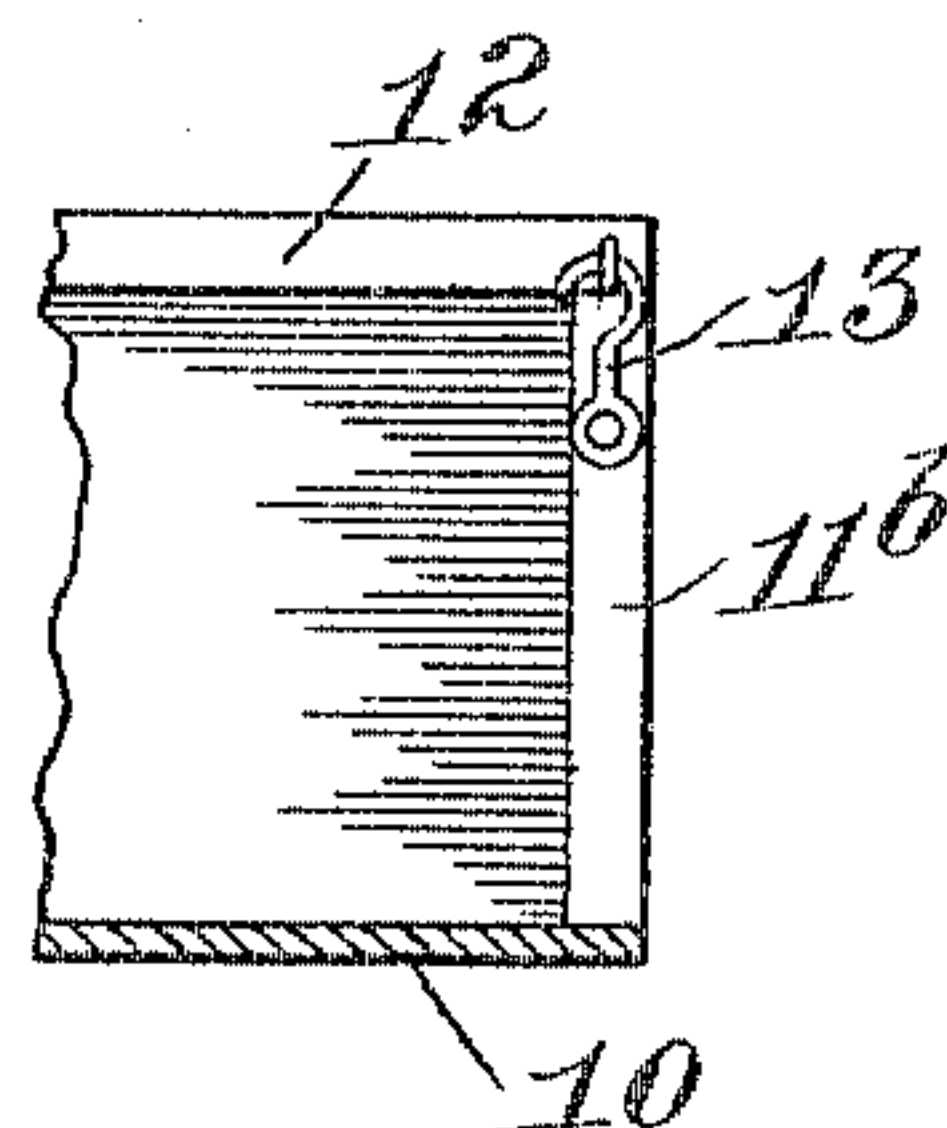


Fig. 2

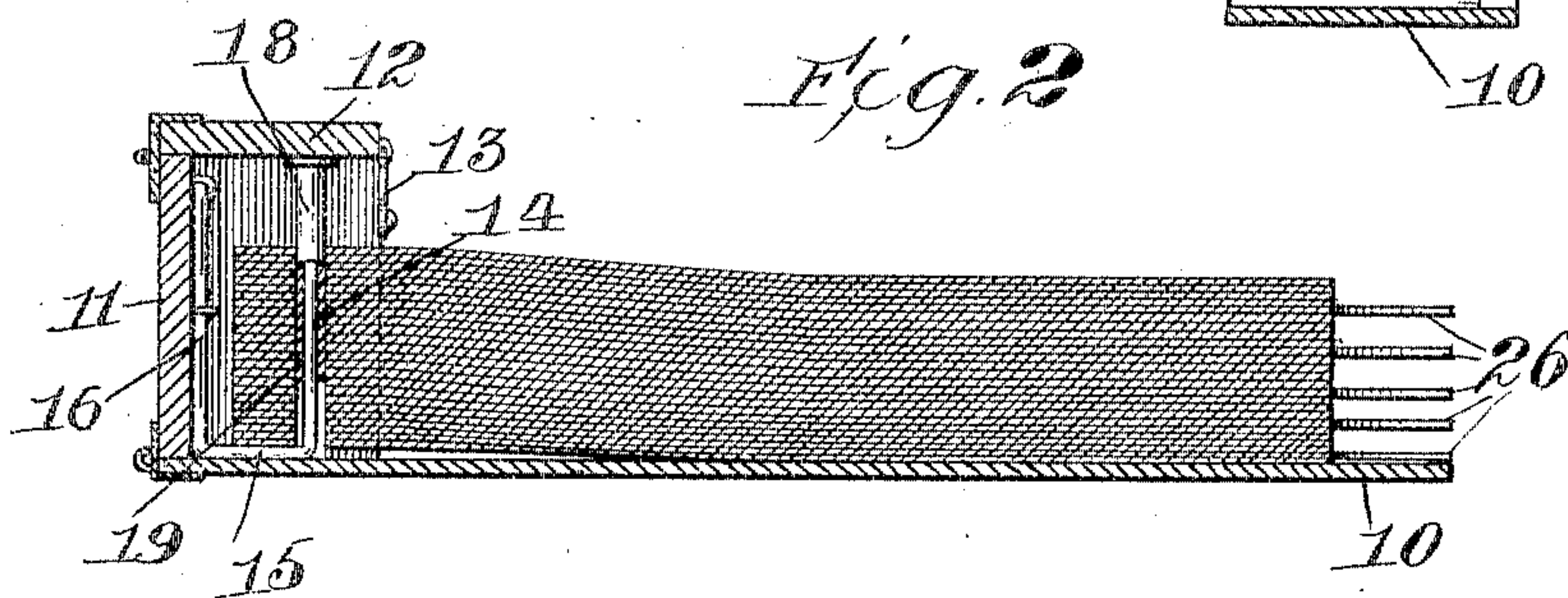
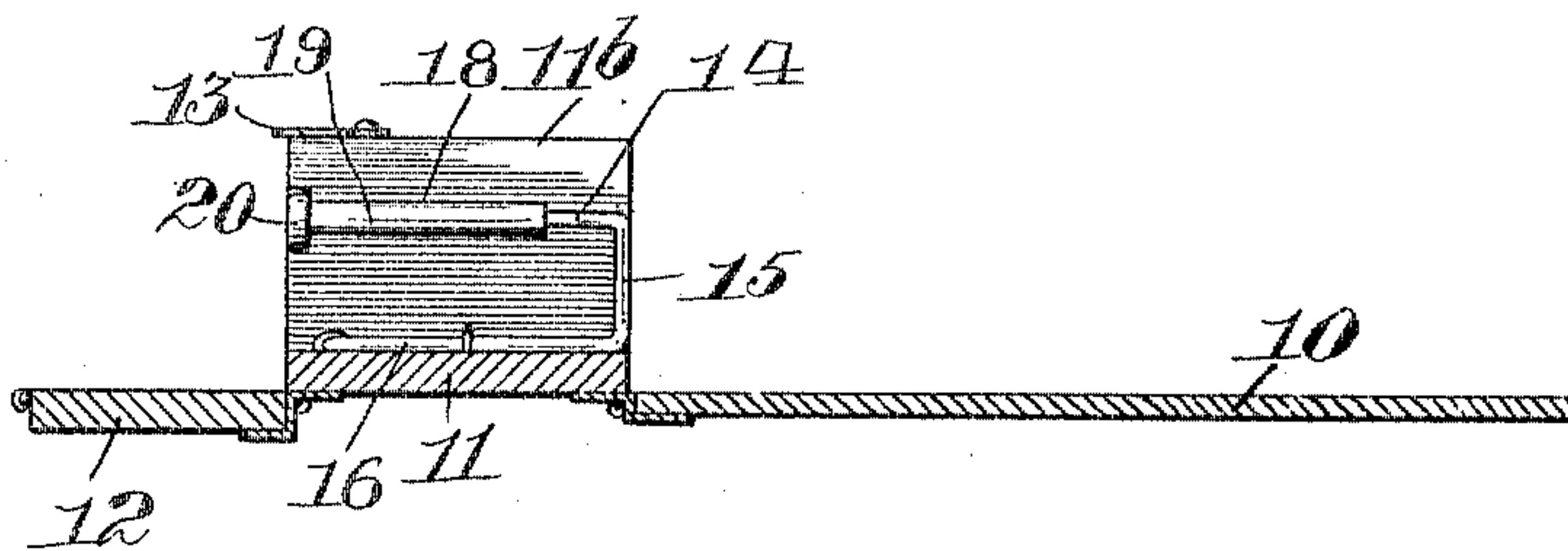


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE BONNELL, OF CHICAGO, ILLINOIS.

DOCUMENT BINDER-FILE.

SPECIFICATION forming part of Letters Patent No. 776,992, dated December 6, 1904.

Application filed November 23, 1903. Serial No. 182,241. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BONNELL, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful
5 Improvements in Document Binder-Files; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form part of this specification.

10 My invention relates to improvements in document binder-files adapted to be used for filing tariff-sheets, price-lists, pamphlets, and other documents.

The object of my invention is to provide a
15 file having means for securely holding the papers to be filed in a manner that they may be quickly placed, removed, or transferred and readily accessible for examination.

A further object of my invention consists
20 in the improvement of construction hereinafter described.

In the drawings I have illustrated an exemplification of my invention, in which—

Figure 1 represents a plan view of the file
25 with a part broken away. Fig. 2 is a cross-section of the same with the parts in their normal position. Fig. 3 is a cross-section of the file with the documents removed and with the parts in the position which they occupy
30 when the file is opened for the purpose of examining the contents thereof. Fig. 4 is the end view of the file as it appears when ready to be placed in a cabinet. Fig. 5 is a broken-away view showing the back portion of the
35 file and the cover, the base-flap appearing in cross-section.

In all of the views like numerals of reference indicate like parts.

10 is the base-flap or bottom cover, which is
40 hinged to the vertical back piece 11. This vertical back piece is provided with angle-pieces 11^a and 11^b, secured to either end thereof.

12 is a cover hinged to the back piece 11, which extends along the upper surface there-
45 of and over the end pieces 11^a and 11^b. The cover is adapted to be locked to the end pieces 11^a and 11^b by means of suitable locks, latches, or hooks, (represented in the drawings by the hooks 13.) Any suitable lock may be em-
50 ployed for this purpose in lieu of the hooks,

whereby the said cover 12 is secured and locked in position to the end pieces 11^a and 11^b. By the means of the lock the documents or tariff-pamphlets are secured in position on the filing-pins against accidental or intentional
55 removal until the cover has been unlocked.

14 is a vertically-extending filing-pin, of which there are two made in one piece. The wire composing the pins extends vertically and then laterally at the bottom, as shown at
60 15, and again vertically, as shown at 16, and across the face of the back piece 11, as shown at 17, and in a downward, lateral, and upward direction at the other end of the piece 11, thus forming two pins of a single piece of wire.
65 The back vertical and lateral portions of the wire of which the pins are formed are properly secured to the back piece 11 in any suitable manner.

As a result of the construction shown the
70 base-flap 10 may be placed in the position shown in Fig. 3, and the top 12 may be opened and laid back in the position therein shown. Under these conditions the documents will be retained in place independently of the two
75 hinged parts 10 and 12.

A transfer device 18 is composed of tubes 19 19, which are adapted to pass down and over the free vertical ends of the filing-pins 14. The transfer-tubes 19 19 are held to-
80 gether by means of a cross-bar 20. When the cover 12 is secured or locked to the end pieces 11^a and 11^b, the transfer device cannot be removed from the filing-pins, and by this means the documents, issues, or pamphlets
85 are securely held in position on the filing-pins against accidental or intended removal until the cover 12 has been unlocked and turned back, so as to permit the removal of the transfer device and such documents there-
90 on as may be desired for the purpose of adding other documents at intermediate places or for the purpose of removing such documents as may be desired to be removed.

In punching the documents of different
95 classes or groups preparatory to filing the same I prefer to punch them in such a manner that their lower edges of the several groups will be located at different relative distances from the lower edge of the file in a
100

regularly-increasing ratio, as shown in Fig. 1, the documents of similar or desired classes being grouped by having the perforations thereof punched at the same positions relative to each other.

To separate documents of one genus from those of another genus, I provide a series of notched leaves. The notches are shown provided on the right-hand margin thereof, the projections from the leaves being progressively arranged with reference to their distance from the top of the file, as shown at 26 in Fig. 1. Documents contained between any two of the separating-leaves may be arranged as heretofore described.

When it is desired to place inserts or documents on the file, the cover 12 is unlocked and thrown back, the transfer device 18 is removed from the filing-pins 14, when inserts may be then placed upon the filing-pins, the transfer device 18 replaced, and the cover 12 once more locked in position. When it is desirable to insert documents in the file in places intermediate of those that are already in position, the desired number of documents already on the pins are raised onto the transfer device 18 and then the said documents and the transfer device are bodily lifted from the filing-pins. New documents or inserts may then be placed upon the filing-pins and those that have been removed may be replaced. When it is desirable to consult the documents which are contained upon the file, the device is laid flat in the position shown in Fig. 3, when every portion of any one of the documents may be examined. It will thus be seen that every issue or document in the file is independent in its means of attachment from any other issue or insert and can be removed without mutilation and restored, if desired, in like condition to its former or to a different position.

The system of arranging the inserts with the lower ends of each issue protruding beyond the lower edge of the issue above in connection with the notched dividing-sheets, which are indexed at their outer edge, provides a means for classifying and grouping and permits ready reference without the necessity of a separate written index-record.

27 is a combined handle and card receptacle by means of which the file may be identified when a number of said files are placed

in a cabinet. It will of course be understood that the file may be readily placed in a cabinet and retained in a pigeonhole thereof, thus protecting the documents and other papers from dust and injury.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a document binder-file, the combination of a vertical back, end pieces rigidly affixed to said back, a base-flap hinged to the lower edge of said back, a cover hinged to the upper edge of said back, filing-pins rigidly secured to the back, and bent to present their free ends in parallelism to the back in a plane suitably removed from said back, the free ends of said pins being arranged to extend into proximity to the cover when the latter is closed, and means for locking the cover in closed position.

2. In a document binder-file, the combination of a vertical back, end pieces rigidly affixed to said back, a base-flap hinged to the lower edge of said back, a cover hinged to the upper edge of said back, filing-pins rigidly secured to the back and arranged with their free ends in parallelism to the said back and extending into proximity to the cover, and locking devices carried by the end pieces adapted to engage with the cover to secure the latter in closed position.

3. In a document binder-file, the combination of a vertical back, end pieces rigidly affixed thereto, a base-flap hinged to the lower edge of the back, a single-wire structure bent to provide free ends 14, lateral bends, 15, vertical bends, 16, and a cross-piece 17, secured with the portions 16 and 17 in contact with the back piece and the ends 14 parallel to the back, a cover hinged to the upper edge of the back arranged when closed to overlie the pin ends, and a hook 13 carried by one end piece arranged to engage a part carried by the cover to latch the same in closed position.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

GEORGE BONNELL.

In presence of—

FORÉE BAIN,

MARY F. ALLEN.