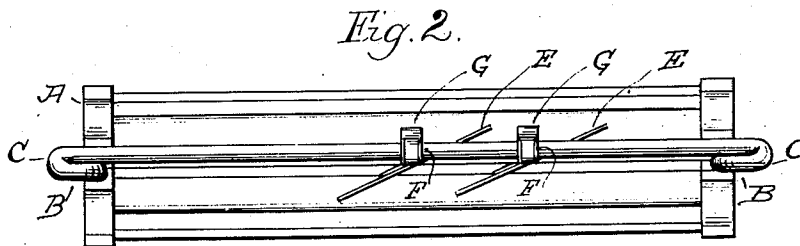
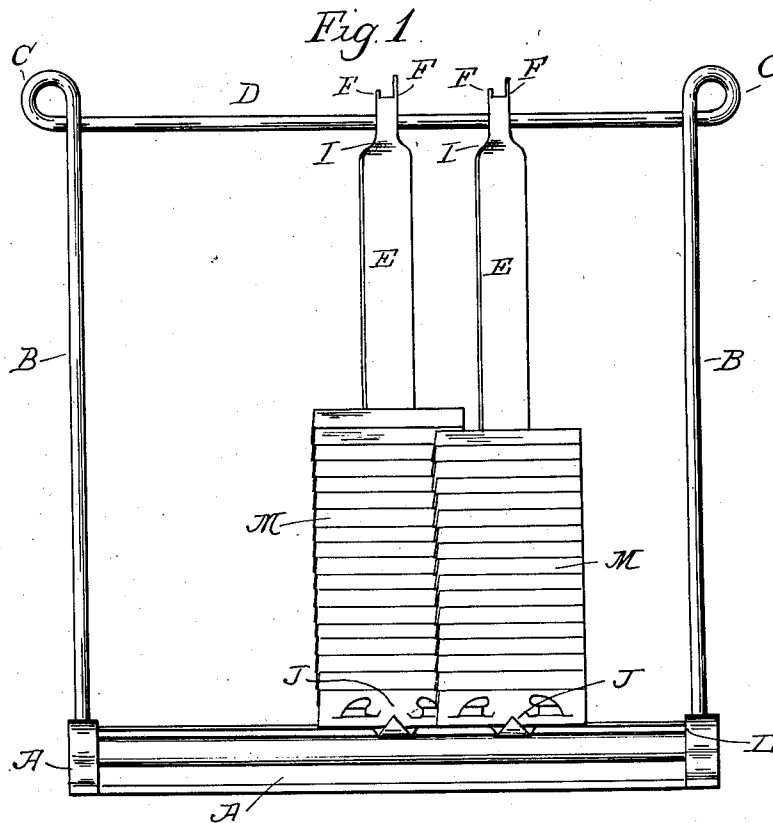


I. FISHER.
 INDEX OR FILE.
 APPLICATION FILED JULY 29, 1911.

1,048,058.

Patented Dec. 24, 1912.
 3 SHEETS—SHEET 1.



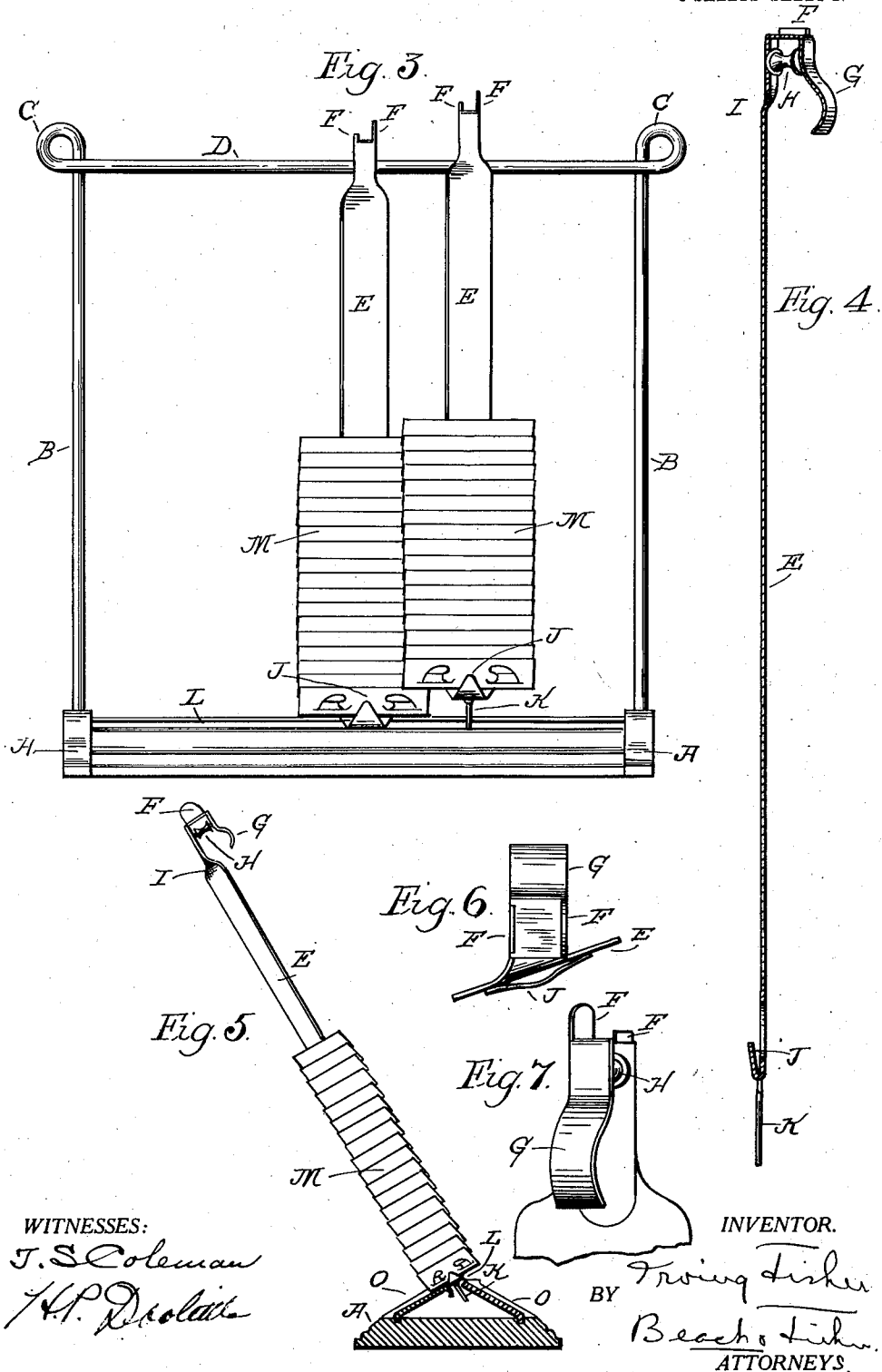
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1,048,058.

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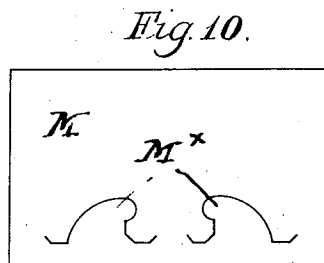
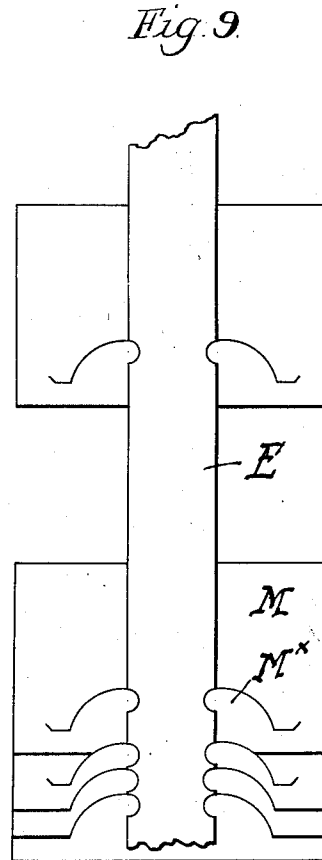
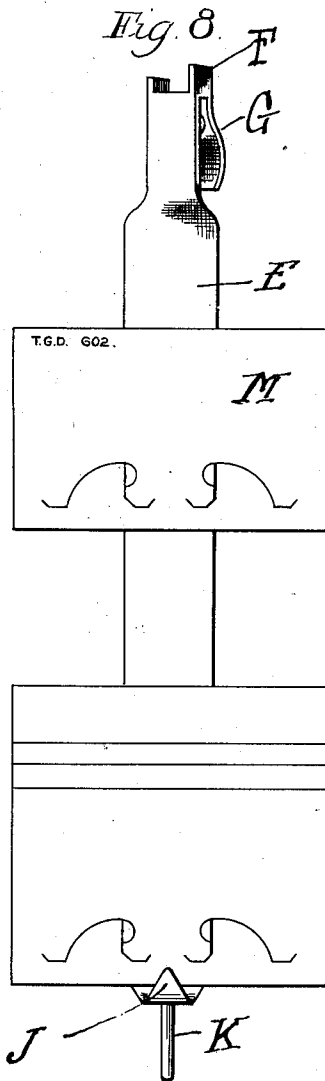
3 SHEETS—SHEET 2.



1,048,058.

Patented Dec. 24, 1912.

3 SHEETS—SHEET 3.



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INDEX OR FILE.

1,048,058.

Specification of Letters Patent.

Patented Dec. 24, 1912.

Application filed July 29, 1911. Serial No. 641,375.

To all whom it may concern:

Be it known that I, IRVING FISHER, of the city and county of New Haven and State of Connecticut, have invented new and useful Improvements in Indexes or Files, of which the following is a full, clear, and exact description, when taken in connection with the accompanying drawings, which form a part thereof.

10 This invention relates to indexes or files, and more particularly to a class in which each card or member is mounted flatly on a support so as to overlap vertically the ad-
15 joining card or member, which in turn projects a short distance beyond the edge of the former, thus providing an index in which the contents of the projecting portions of the cards are immediately visible to the eye without preliminary manipulation. The ar-
20 rangement of a series of cards or members on a single support is substantially the same as that shown in my application, Serial No. 420,826, filed March 3, 1908, to which reference is made.

The present invention aims to provide a convenient means for supporting a number of card supports in such a manner that the several series of cards will overlap each other laterally to a certain extent, each series being moreover slidable individually in a lateral direction, and two or more of such series being slidable collectively, in order to facilitate the manipulation of the cards and the opening up of a space for the insertion of an additional series of cards at any desired point. As a result of this arrange-
40 ment, the individual cards overlap each other in one direction, and the several series of cards overlap each other in another direc-
45 tion, the individual cards and the several series of cards being individually and collectively adjustable and thereby providing a compact visible filing system of great convenience. A new series of cards may be inserted at any desired point with as much
50 readiness as a new individual card may be located at any desired point in a series.

To these and other ends the invention consists in the novel features and combinations of parts to be hereinafter described and
55 claimed.

Referring to the drawings for a more particular description, Figure 1 represents a front elevation of the frame with card or member supports in place; Fig. 2, a top
60 view of the frame with card or member sup-

ports in place; Fig. 3, a front elevation of the frame and supports showing the upward movement of one support prior to removal; Fig. 4, a transverse vertical section of a support; Fig. 5, a transverse vertical section of the base of the frame with a support in full; Fig. 6, a top view of a support; Fig. 7, a detail perspective view of the hook at the upper end of the support. Fig. 8, an enlarged detail face view of one of the supports with a number of cards thereon; Fig. 9, a reverse view of Fig. 8 with the end portions of the support omitted; and Fig. 10, a face view of one of the cards, detached. 70

In all figures, similar letters of reference represent like parts.

Referring to the drawing, E designates a card support on which a plurality of cards or members M are mounted flatwise and slidably by tongues M^{*} (Figs. 8 to 10) in substantially the same manner indicated in my prior application. At the top of each support E is a hook G to engage a horizontal rod D supported by standards B from the base A. The base, side standards and horizontal bar D form a rectangular frame for the several card supports on which the latter are all freely slidable by means of the hooks G which are provided with grooved wheels H running on the top of the bar D. The movement of the supports E longitudinally of the rod D is limited by the end stops C. Each support may be manipulated by means of finger grips F extending upward from the hook G. 80

At the lower end of each support is a lip J to limit the downward movement of the series of cards on said support. Below the lip J and at the bottom extremity of each support is a pin K adapted to be guided in a slot L extending longitudinally of the base A. The slot L is formed by two upwardly converging plates O secured to the base A, as shown in Fig. 5. 85

When the supports are in place in the frame, the wheels H of the respective supports are engaged with the top surface of the bar D at the upper end of the support, while the several pins K are engaged with the slot L. When any support E is raised to a certain extent by means of the finger grips F, the pin K will be raised out of the slot L and the support may then be removed laterally from the frame in an obvious manner. 90

The hook G of the support E is directed 110

at an acute angle to the plane of the main portion of the support, as shown in Fig. 6. In this manner, the strips E when suspended from the bar D will not lie in the plane of the main frame but will be at a slight angle to such plane. This provides for an overlapping of the adjacent series or rows of cards, and by properly proportioning the parts, the extent to which the several series of cards may be overlapped can be varied as desired.

In Fig. 5, is seen a transverse vertical section of the base A with a slot L, and a support E with a series of cards M in full about to be mounted on the frame. The pin K of the support E is inserted in the opening L. The support E is then moved to a vertical position, as seen at the right in Fig. 3, and then lowered to engage the bar D with the hook G, so that the wheel H rests on the bar. When thus mounted, it may easily slide along the bar D by means of the wheel H, and the pin K within the slot L.

Fig. 2 shows a plurality of supports mounted on the frame, as described above, illustrating the manner in which one series M may overlap laterally another series.

To detach the support E from the frame, the movements are reversed. The support E may be raised by means of the finger grips F or otherwise to a height sufficient to disengage the hook G from the bar D; then moved out from the bar D until the pin K can be freely released from the slot L in which it had been inserted.

The supports may be mounted by engaging the hook over the bar D, and then raising the support until the extreme inwardly curved end of the support engages the under side of the bar, which movement brings the pin K above the slot L, where it strikes the upper or rear edge of the slot L, whereupon when released the support will drop into its proper position.

By this invention, an index or file is produced in which each series of cards overlaps its neighboring series, so as to leave one edge of each series visible, thereby economizing space without sacrificing visibility. Furthermore, by shifting the supports laterally the entire breadth of a single series may be uncovered or almost covered at a time and a new series inserted in the space between any two. It is not alone the opening of a space that constitutes the latter advantage, but the fact that in opening such a space a separate shifting of each support is not necessary, inasmuch as a number of such supports are slidable collectively as a unit, as will be obvious.

Having now described my invention, what I claim and desire to secure by Letters Patent, is:—

1. An index or file, comprising a plurality of series of detachable filing members,

and means for supporting said members so that each member of a series will overlap the next member, and each series will overlap the next series; substantially as described.

2. An index or file, comprising a plurality of rows of detachable filing cards, and means for so supporting said cards that the cards of each row overlap each other and the cards of the adjacent row; substantially as described.

3. In an index or file, a plurality of rows of detachable filing cards, a device for mounting the cards of each row in overlapping relation with respect to each other, and a common means for so mounting said devices that the several rows of cards overlap each other; substantially as described.

4. In an index or file, a plurality of rows of detachable filing members, devices for mounting the members in each row in overlapping relation with respect to each other, and a frame in which said devices are so mounted that the several rows of filing members overlap in a direction at right angles to the overlap of the individual filing members; substantially as described.

5. In an index or file, a plurality of elongated supports, a plurality of filing cards slidable lengthwise along each support, and a common supporting means for said supports which permits the adjustment of said supports transversely of their axes; substantially as described.

6. In an index or file, a plurality of series of filing cards, means to mount the cards of each series slidably and in overlapping relation with respect to each other, and means to mount the several series in overlapping relation; substantially as described.

7. In an index or file, a plurality of supports, a series of detachable filing members slidably mounted on each support, and means at opposite ends of the respective supports for so mounting said supports that each series of filing members overlaps the next series; substantially as described.

8. In an index or file, a plurality of supports, a plurality of filing cards mounted to slide lengthwise of each support into a number of different adjustments, and a frame on which said supports are mounted to slide transversely of their axes; substantially as described.

9. In an index or file, a plurality of series of filing members, devices to mount the members of each series in slidable and overlapping relation, and a frame in which said devices are so mounted that the several series of members lie in parallel overlapping relation at an angle to the plane of said frame; substantially as described.

10. An index or file comprising a plurality of supports, a series of cards mounted on each support, and a frame engaged with

opposite ends of said supports and mounting them so that each series of cards overlaps the next series; substantially as described.

5 11. In an index or file, an open frame, a plurality of strip-like supports, a series of cards on each support, and means on the respective supports to engage the same with
10 that the supports lie at acute angles to the frame; substantially as described.

12. In an index or file, the combination of a frame comprising a bar or rod, a support comprising a strip having a hook at its upper
15 end to engage with said bar or rod to suspend said support from the latter, said hook extending at such an angle from said strip that the latter lies at an angle to the plane of the frame, and a plurality of filing
20 cards on said strip; substantially as described.

13. In an index or file, the combination of a substantially rectangular frame, a plurality of strip-like card supports, hooks on the respective supports to engage the latter
25 with one margin of said frame, said hooks being so disposed with relation to the supports that the latter lie at acute angles to the frame, and a series of cards on each support;
30 substantially as described.

14. In an index or file, the combination with a frame having a slotted portion at one side and a bar at the opposite side, of a support guided along said bar and having a
35 pin to slide in said slotted portion; substantially as described.

15. In an index or file, a frame comprising a bar, and a base parallel to the bar and having a slot, and a support guided at one

end along said bar and having at the opposite end a pin to enter the slot in said base; substantially as described. 40

16. In an index or file, the combination with a frame, of supports, series of cards slidably mounted on separate supports; said
45 supports being adapted to slidably engage said frame to permit two adjoining series of cards to overlap each other laterally; substantially as described.

17. In an index or file, the combination with a frame, of supports, series of cards slidably mounted on separate supports; said
50 supports being adapted to slidably engage said frame in substantial parallelism with each other to permit two adjoining series of
55 cards to overlap each other laterally; substantially as described.

18. In an index or file, the combination with a frame, of supports, series of cards slidably mounted on said supports, said supports being adapted to slidably engage said
60 frame to permit the shifting of any adjoining series of cards to open a space between them; substantially as described.

19. In an index or file, the combination with a frame, of supports, series of cards slidably mounted on separate supports, said
65 frame being adapted to be engaged by both ends of said supports to permit two adjoining series of cards to overlap each other laterally; substantially as described. 70

In witness whereof, I have hereunto set my hand on the 7th day of June, 1911.

IRVING FISHER.

Witnesses:

FREDERICK S. WARD,
MABEL H. KINGSBURY.