

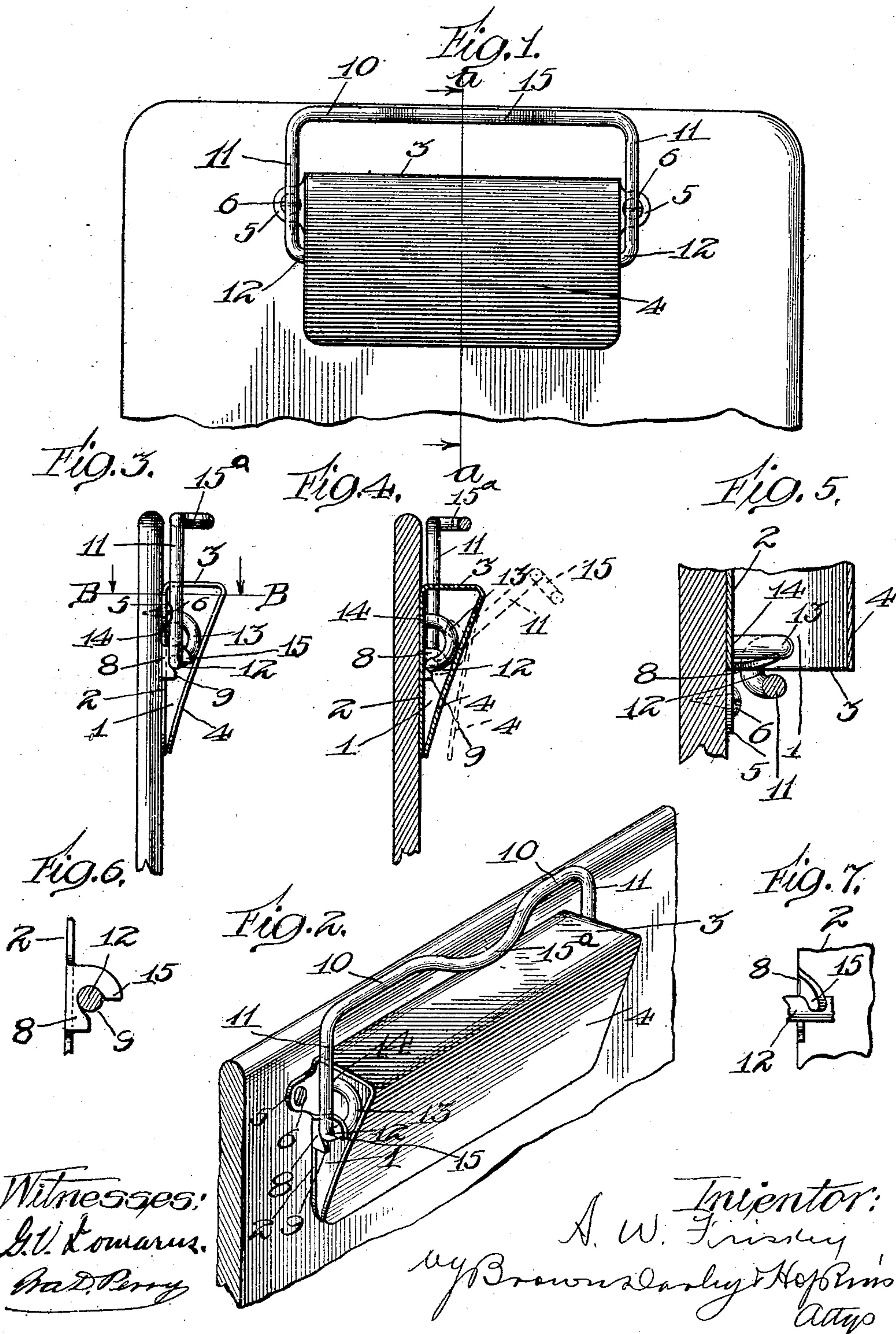
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PAPER CLIP.

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907,588.

Patented Dec. 22, 1908.



UNITED STATES PATENT OFFICE.

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PAPER-CLIP.

No. 907,588.

Specification of Letters Patent.

Patented Dec. 22, 1908.

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To all whom it may concern:

Be it known that I, ARTHUR W. FRISKEY, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Paper-Clips, of which the following is a full, clear, and exact description.

This invention relates to paper clips and the object of the same is to construct a device for holding loose leaves, papers, bills, etc., which will be simple in construction, cheap to manufacture and positive and efficient in operation.

To this end, and the accomplishment of other new and useful objects, as will appear, the invention consists in the construction and arrangement of parts as will be more fully set forth in the following specification and claims, in reference to the accompanying drawing, wherein is shown an example of my invention, in which,—

Figure 1 is a front elevation of the clip. Fig. 2 is a perspective view. Fig. 3 is an end elevation. Fig. 4 is a section on line *a—a* of Fig. 1, showing in dotted lines the clip in its open position to remove the papers; Fig. 5 is an enlarged detail section on line *B—B* of Fig. 3. Fig. 6 is an enlarged detail view of the ear before its end is bent into position; and Fig. 7 is an enlarged detail plan view of the ear with its extremity bent into position to form a fastener for the bail.

Referring more particularly to the drawing the numeral 1 designates the clip proper which is preferably stamped from a single piece of metal bent into shape to form a rigid jaw or base 2, and a support 3, extending from the end of which is a spring jaw 4, the free end of which normally contacts with the rigid jaw or base 2. Carried by the base or jaw 2 are projections 5 which are provided with apertures adapted to receive nails or screws 6. If desired these projections may be dispensed with and the base or jaw 2 may be secured in any desired manner to a suitable support.

Extending upwardly from the base or jaw 2, preferably at the edges thereof, are ears 8, which are provided with open bearings 9. These ears may be located at any position desired, but preferably at points midway between the base of the support 3 and the front edge of the base or jaw 2.

It will thus be seen that all of the parts

above described are stamped or cut from a single piece of flat metal, the support 3 and spring jaw 4 being bent into position, and the ears 8, with the open bearings 9, are bent upward and at right angles to the base or jaw 2. The open bearings 9 therein preferably face towards the front edge of the clip.

In order to open and close the clip to permit the ready insertion and removal of the papers, I provide a bail or yoke 10, having parallel arms or tines 11, the ends of which are bent inward toward each other to form journals 12 which are adapted to enter and be seated in the open bearings 9 of the ears 8. The inturned ends of the arms or tines 11 are bent or curved as at 13 to form cams, the extremities 14 of which normally rest against the base or jaw 2. It will be noted that the height of the curved portion or cams 13 is such that they will engage the spring jaw 4 for opening the clip to permit the insertion and withdrawal of the paper to be held.

In order to prevent the accidental displacement of the bail or yoke from the bearings 9, after the parts have been assembled, the upper portion 15 of the ears 8 may be bent out of the plane of their body portions, which will form a lock to hold the bail securely in position.

To facilitate the easy operation of the cams 13, the bail or yoke 10 is provided with an arched or raised portion 15^a into which the finger may be readily inserted.

It is thought that from the foregoing description, the operation of the clip will be fully understood and it will be seen that there is produced a simple clip constituted of only two pieces, the purpose of the open bearings 9 in the ears 8 being to permit the ready and easy insertion of the bail or yoke 10 and cams 13 into their proper position when assembling the parts.

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

1. A two-piece clip comprising jaws, bearings carried by one of the jaws, cams standing between the jaws and removably engaging the bearings, said bearings being provided with means for locking the cams in the bearings, and means for operating the cams to move one of the jaws.

2. A device of the class described, comprising a rigid jaw, ears carried by said jaw and provided with open bearings, operating

cams journaled in the bearings, and a spring jaw cooperating with the rigid jaw and engaged by the cams, a portion of the ears being bent out of the plane of their body portions to prevent displacement of the cams with relation to their bearings.

3. A device of the class described comprising a rigid jaw, a support, a spring jaw and supporting ears, all constructed of a single piece of sheet metal and bent into shape, said ears being provided with bearings, and cams removably journaled in the bearings and adapted to contact with the spring jaw, said bearings being provided with means for locking the cams in their bearings.

4. A device of the class described comprising normally engaging jaws, ears carried by one of the jaws and means for operating one of the jaws, said means comprising a bail having its ends bent toward each other, cams carried by the extremities of the bail and removably journaled in the ears, and means for locking the bail in the bearings.

5. A device of the class described comprising a jaw, a support carried by the jaw and extending beyond the same, a spring jaw cooperating with and having its forward edge normally engaging the other jaw, bearings carried by the first said jaw, a bail provided with arms, the end portions of said arms being bent inward toward each other to form journals, said journals being mounted in the bearings, the ends of the inturned portions being bent to form cams, the extremities of which are adapted to rest against the first said jaw.

6. A clip comprising an immovable jaw, a

support carried thereby and extending beyond the jaw, a yielding jaw, one end of which normally engages the said immovable jaw, bearings carried by one of the jaws, a bail provided with arms, journals on the ends of the arms adapted to be removably seated in the bearings, the extremities of the journals beyond the bearings being bent to form cams, said cams being located between the jaws, and of a height to be normally engaged by one of the jaws to hold the extremity of said cam normally against the other jaw.

7. A clip comprising an immovable jaw, a support carried thereby and extending above the jaw, a yielding jaw, one end of which normally engages the other jaw, bearings carried by one of the jaws, a bail provided with arms, journals on the ends of the arms adapted to be removably seated in the bearings, the extremities of the journals beyond the bearings being bent to form cams, said cams being located between the jaws, and of a height to be normally engaged by one of the jaws to hold the extremity of said cam normally against the other jaw, a portion of said bearings being adapted to be deflected out of the plane of their body portions to secure the journals in position.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 9th day of February A. D. 1906.

ARTHUR W. FRISKEY.

Witnesses:

FRANCIS A. HOPKINS,
CHAS. H. SEEM.