

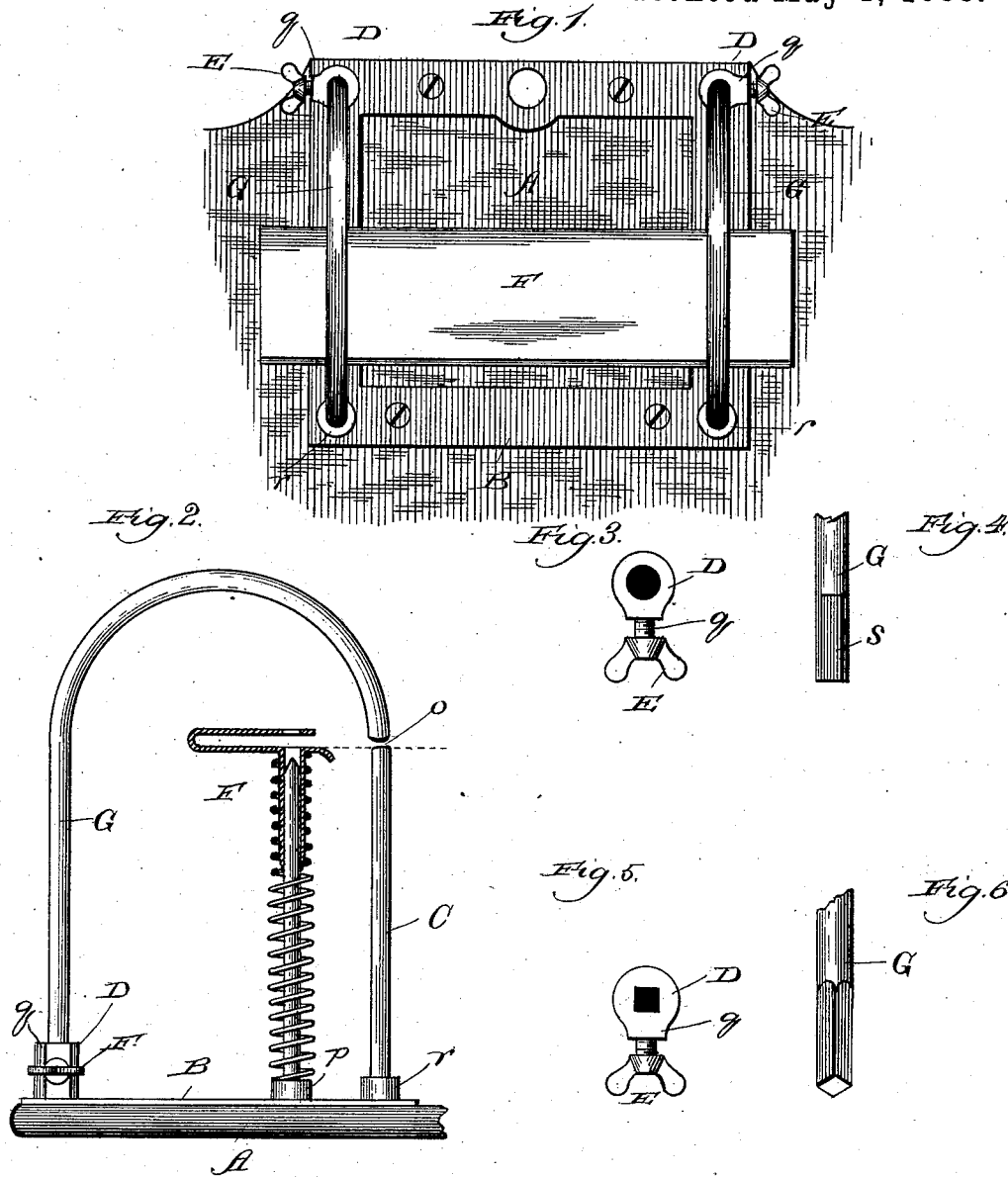
(No Model.)

A. B. SHERWOOD.

PAPER FILE.

No. 381,959.

Patented May 1, 1888.



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UNITED STATES PATENT OFFICE.

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PAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 381,959, dated May 1, 1888.

Application filed February 23, 1887. Serial No. 228,476. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER B. SHERWOOD, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Paper-Files; and I hereby declare the following to be a full, clear, and exact description of the same.

My improvement relates to the class of paper-files to which the device set forth in Letters Patent of the United States No. 352,664, granted to me November 16, 1886, belongs, and I design my present improvement especially for use in connection with the aforesaid file.

My invention relates particularly to an improvement in the mechanism for adjusting and firmly holding an arched transfer-wire in position with relation to its rigid vertical companion receiving-wire.

By referring to my aforesaid Letters Patent it will be seen that each arched transfer-wire is supported at its lower end on a cylindrical base confined in a socket, to permit of its being oscillated back and forth to move the transfer-wire at its extremity into and out of alignment with its receiving-wire, and that the maintenance of such alignment depends for reliability upon the frictional hold in the socket of the cylindrical base.

Paper-files involving in their construction movable arched transfer and rigid vertical receiving-wires must, to be satisfactorily operative, depend in their use, in order to permit ready transfer of the papers while on the file, upon firmness of position of the transfer-wires while coincident with the receiving-wires. Therefore, unless provision be made for insuring the desired rigidity, the device is defective, or, at least, liable to become so with use. In the aforesaid patented device such liability is present, for the reason stated—namely, that rigidity of position of the arched transfer-wire with reference to the receiving-wire depends upon the frictional hold in the socket of the rotary cylindrical base. If the latter become loosened with use, the permanent space between the receiving and transfer wires, which is the all-important feature of the construction, is liable to be destroyed or disorganized to an extent that prevents the desired alignment of the adjacent ends of the two wires. Further-

more, as the necessity for moving the transfer-wires in the improved device for which my aforesaid Letters Patent were granted occurs but seldom, comparatively speaking, there is nothing objectionable in a construction of the adjustment of the transfer-wire that shall render it removable, if desired, to permit withdrawal of the accumulated papers in bulk from the file, and, if removed, require replacing it to adapt the file to continued use, since the operation of entirely removing the transfer-wire need not be attended with greater difficulty than one of simply moving or turning it on its axis.

It is my object to provide a simple and effective mechanism for the adjustment of the transfer-wire, which, while its use permits the removal from the file of the transfer-wire, insures rigidity of the same in its adjusted position of alignment with the receiving-wire to produce and maintain the desired permanent space.

To this end my invention consists in the construction hereinafter set forth and claimed.

In the drawings, Figure 1 is a plan view of a paper-file without the base provided with my improvement; Fig. 2, a side elevation of the same, partly in section, supported on the base, which is shown as broken away; Fig. 3, a plan view of my improved adjusting mechanism; Fig. 4, a broken view in elevation of a detail; and Figs. 5 and 6, respectively, a plan and a broken perspective view showing a modification.

Ordinarily paper-files of the present construction involve two each of the transfer and receiving wires, in pairs, parallel to each other, near opposite edges of a suitable base; and the device upon which my present improvement is shown to be applied is such a one, though, of course, it is equally applicable to a paper-file having only one pair of the wires.

A is the base, having secured upon it near its upper end a rectangular metal frame, B, provided at the corners of its lower or forward side with sockets *r*, to hold vertical receiving-wires C, and at the corners of its opposite side with sockets D, provided on their outer sides with lugs *g*, having horizontal screw-threaded openings to receive thumb-screws E.

Between the sockets *r* and *D*, laterally on the frame *B*, are sockets *p*, to receive and hold the vertical rod portions of the punch and gage device *F*, which need not be described in the present connection, since it forms no part of my present invention, being described and claimed in my aforesaid Letters Patent.

G G are the arched transfer-wires inserted into the sockets *D*, to extend normally and be firmly held in alignment at their arched extremities with the ends of the receiving-wires *C*, without, however, having contact with and thereby forming continuations of the same, but to afford permanent spaces *o*, whereby the filing of papers may be performed without requiring the transfer-wires to be moved for each operation.

As it is the purpose of my improvement to permit fastening of the transfer-wires in their sockets by means of set-screws with a degree of firmness that will prevent their unintentional displacement when adjusted with reference to the receiving-wires, the lower end of each transfer-wire may be provided with a flat surface, as shown at *s* in Fig. 4. The transfer-wire, however, may be flat in more than one side, or, if desired, be square, as shown in Figs. 5 and 6, when the shape of the socket *D* internally should correspond.

The set-screws *E* are preferably in the form of thumb-screws, as shown, and are inserted through the threaded openings provided laterally, as aforesaid, in the sockets *D* to receive them.

The transfer-wires fit snugly in their sockets in position to coincide at their arched extremities with the receiving-wires, and by tightening the screws *E* against them they may be firmly secured in such position. To per-

mit their removal or displacement for the purpose of withdrawing an accumulation of papers from the file, it is only necessary to loosen the screws.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a paper-file, the combination, with the base *A* and receiving-wire *C*, of an arched removable transfer-wire, *G*, and a socket, *D*, to receive the lower portion of the transfer-wire, and provided with a set-screw, *E*, substantially as and for the purpose set forth.

2. In a paper-file, the combination, with the base *A* and receiving-wire *C*, of an arched removable transfer-wire, *G*, flattened toward its lower end, and a socket, *D*, to receive the lower portion of the transfer-wire, and provided with a set-screw, *E*, substantially as and for the purpose set forth.

3. In a paper file, the combination, with the base *A* and a receiving-wire, *C*, of an arched removable transfer-wire, *G*, square toward its lower end, and a socket, *D*, corresponding internally with the shape of the square portion of the transfer-wire, and provided with a set-screw, *E*, substantially as and for the purpose set forth.

4. In a paper-file, the combination, with the base *A* and receiving-wire *C*, of an arched removable transfer-wire, *G*, and a socket, *D*, to receive the lower portion of the transfer-wire, and provided with a lateral lug, *q*, having a screw-threaded opening containing a set-screw, *E*, substantially as and for the purpose set forth.

ALEXANDER B. SHERWOOD.

In presence of—

J. W. DYRENFORTH,
C. W. SHERWOOD.