No. 864,982. PATENTED SEPT. 3, 1907.

B. McGINTY.

NEWSPAPER FILE.

APPLICATION FILED FEB. 15, 1907.

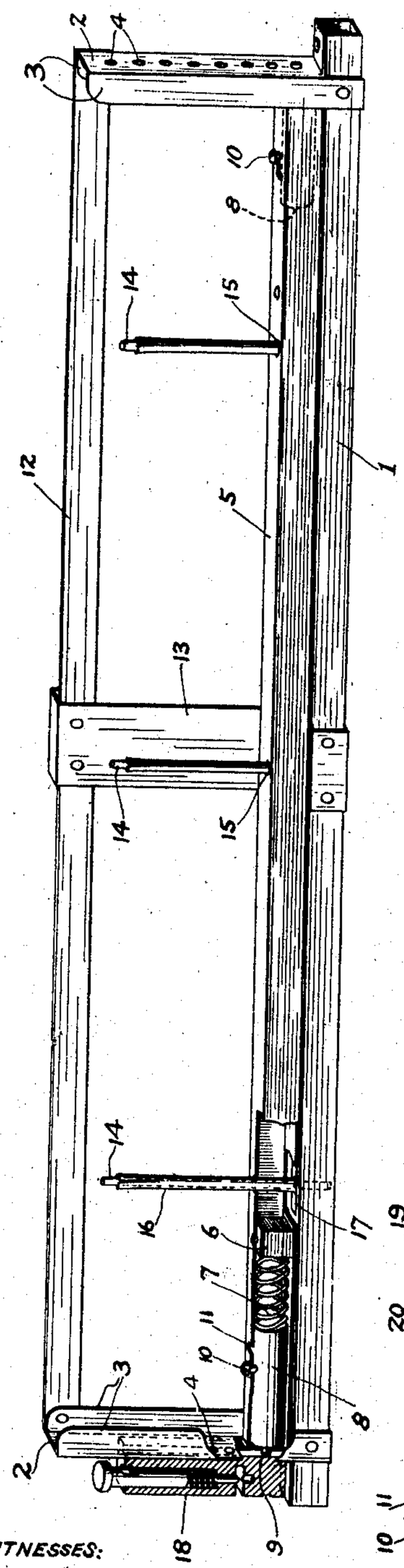

FIG. 1.

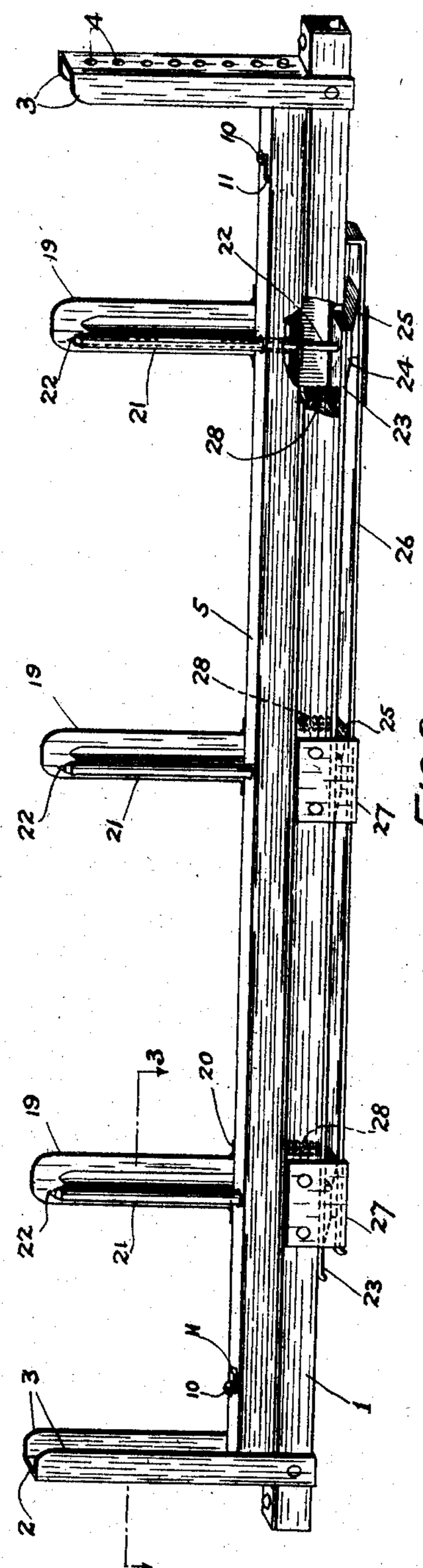

FIG. 2.

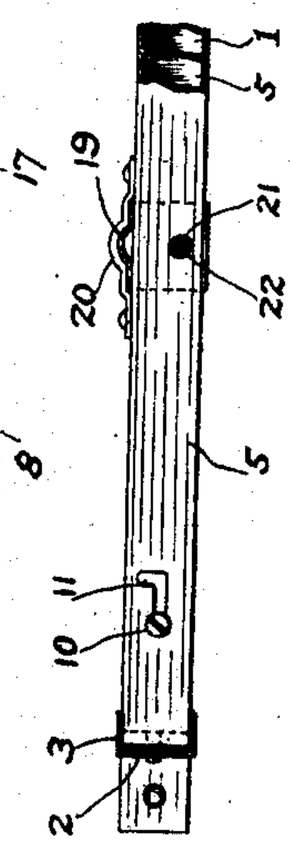

FIG. 3.

WITNESSES:

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BERNARD McGINTY, OF DOYLESTOWN, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO THOMAS H. HEIST, OF PHILADELPHIA, PENNSYLVANIA.

NEWSPAPER-FILE.

No. 864,982. Specification of Letters Patent. Patented Sept. 3, 1907.

Application filed February 15, 1907. Serial No. 357,445.

To all whom it may concern:

Be it known that I, BERNARD McGINTY, a citizen of the United States, residing at Doylestown, in the county of Bucks and State of Pennsylvania, have invented certain Improvements in Newspaper-Files, of which the following is a specification.

This invention is a newspaper file comprising a base bar, flanged guides fixed thereto, a movable clamp bar having its ends controlled by the flanged guides, and pins secured to said base bar on which said clamp bar is movable. The respective flanged guides are provided with a series of holes for engaging pins on plungers carried in the ends of the clamp bar, the plungers being pressed outwardly by springs and held in the inner position by catches when it is desired to move the clamp bar. The pins on the base bar may comprise a tubular sleeve fixed thereto with a needle or pointed pin therein fixed to a member movable to and from the base bar to expose the needle point through the top of the sleeve when papers are to be filed thereon and withdraw it, so that it may not be exposed in handling, at other times.

The mechanism is particularly adapted for inserting binders in papers during the operation of filing and when a sufficient number of papers have been filed securing them together in book form.

In the accompanying drawings, Figure 1 represents a broken perspective view of a form of the invention; Fig. 2 represents a broken perspective view of a second form thereof; and Fig. 3 is a plan view of an end of the file taken on the line 3—3 of Fig. 2.

The base bar 1 is a tube of rectangular cross section having fixed to the ends thereof the guides 2 provided with the inwardly projecting flanges 3 and the holes 4. The flanges 3 engage the ends of a hollow rectangular clamp bar 5 movable along the guides. Within the ends of the clamp bar are fixed stops against which bear the coiled springs 7 acting against the plungers 8 which have on the ends thereof the pins 9 for engaging the holes 4. The pins are withdrawn from engagement by means of pintles 10, movable in the L-shaped slots 11 in the clamp bar, in the plungers.

As shown in Fig. 1, the tops of the guides 2 are connected by a brace bar 12 and intermediate of the length of the bars 1 and 12 is the supplemental guide 13 connecting them. The pins 14, fixed to the bar 1, extend through the holes 15 in the bar 5, the latter being movable on the pins. Tubular binders 16, having split ends permitting flanges 17 to be turned outwardly therefrom, are sleeved on the pins. At the end of the file is a cutter 18 used for perforating the edges of the papers to be filed to permit the passage of the pins 14 and the binders 16.

To file papers, the plungers 8 are drawn back to disengage the pins 9 and the pintles 10 are engaged in the catch formed by the transverse member of the L-shaped slot. The bar 5 is then lifted to clear the pins 14 and the papers slipped into place thereon, with the guiding aid of the supplemental guide 13. The bar 5 is then dropped upon the inserted papers, the pintles 10 disengaged to permit the springs 7 to throw the plungers 8 and engage the pins 9 in the holes 4. When a sufficient number of papers have been filed on the binders 16, the bar 15 may be removed and the binders 16 with the papers thereon lifted off the pins 14, and the tops of the binders bent outwardly to the position of the bottom flanges 17 to secure the papers together in book form.

As shown in Fig. 2, supplemental guides 19 are secured to the back of the base bar 5 and are engaged by the keepers 20 fixed to the clamp bar 5. The clamp bar 5 is movable on the tubular pins 21 fixed to the base bar 1. Needles or pointed pins 22 are fixed to a bar 23 connected in movable relation to the bar 1, and on the underside of the bar 23 are fixed the wedges 24 engaged by the wedges 25 on the bar 26, which is movable longitudinally within the keepers 27 fixed to the bar 1. Springs 28 bearing against a portion of the bar 1 and acting against the bar 23 press the latter away from the former to withdraw the needles 22 within the pins 21 when the bar 26 is moved to the left so that the bar 23 can move away from the bar 1. When the bar 26 is moved to the right, the bar 23 is forced toward the bar 1 by the engagement of the wedges 24 and 25 and the points of the needles 22 exposed. The papers are guided by the bars 19, perforated by the exposed needle points, and after the papers are filed the needle points are drawn back to avoid doing injury in handling. It will be understood that the binders 16 may be sleeved on the tubular pins 21 as well as on the pins 14, and the papers secured together as previously described.

Having described my invention, I claim:—

1. A file comprising a base bar, guides with inwardly projecting flanges rigidly fixed to said base bar, said guides having holes therein, pins connected with said bar, a clamp bar movable under control of said guides, and reciprocating spring pressed plungers with pins connected to said clamp bar, said pins engaging said holes.

2. A file comprising a base bar, flanged guides fixed to the respective ends of said bar, said guides having holes therein, a clamp bar having its ends engaged between the flanges of said guides, and reciprocating pins for engaging said holes and fixing said clamp bar at various positions to said guides.

3. A file comprising a base bar, transverse guides with flanges fixed to the ends of said bar, a guide fixed to said bar intermediate of said first named guides, pins connected to said bar, a movable clamp bar having its ends engaged between the flanges of said first named guides, and spring pressed plungers reciprocating in the ends of said clamp bar and having means for engaging the guides fixed to the ends of said base bar.

4. A file comprising a base bar, a hollow pin connected

thereto, a pin movable within said hollow pin, means for reciprocating said pin within said hollow pin, and clamping means movable relatively to said bar.

5. A file comprising a base bar, pins movable therethrough, a device to which said pins are fixed, said device being movable to and from said bar, means for moving said device to and from said bar, and a clamp bar movable on said pins.

6. A file comprising a bar having hollow pins fixed thereto, needles movable in said pins, a device with a wedging member thereon to which said pins are connected, and a second device with a wedging member thereon for operating said first device through its wedging member.

7. A file comprising a bar having hollow pins fixed thereto, a bar with wedging surfaces, needles movable in said pins and fixed to said wedging bar, a second bar with wedging surfaces engaging said first named wedging surfaces, and a keeper fixed to said first named bar and for holding said wedging bars.

8. A file comprising a base bar, flanged guides fixed to the ends thereof, pins fixed to said bar, a clamp bar movable on said pins under control of said guides, spring actuated reciprocating devices carried within the ends of said clamp bar and adapted for engaging said guides, and means for fixing said devices out of engagement with said guides.

In testimony whereof, I have hereunto set my name, this 12th day of February, 1907, in the presence of the subscribing witnesses.

BERNARD McGINTY.

Witnesses:
ALBERT DICK,
ALLEN McGINTY.