

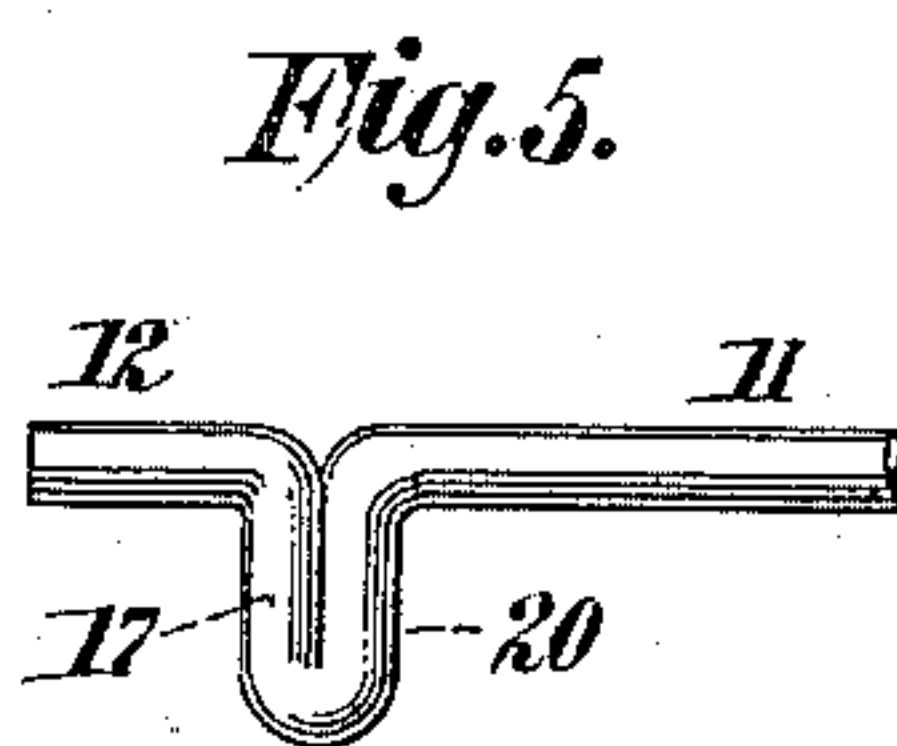
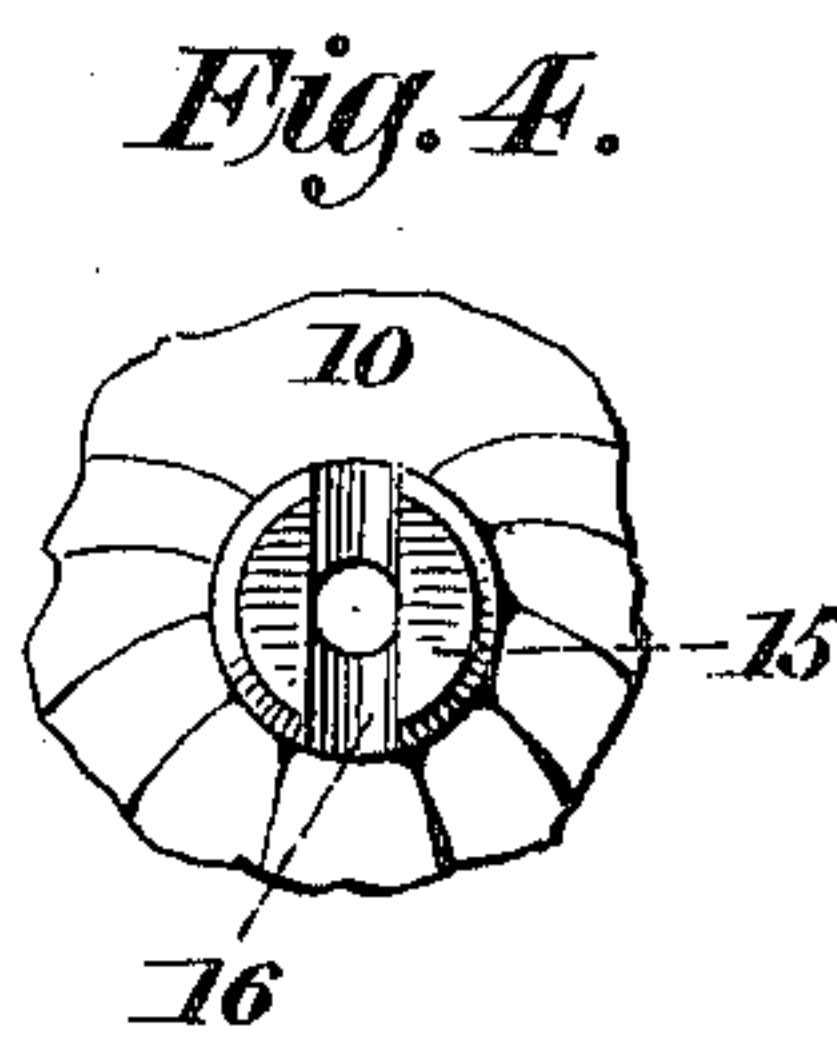
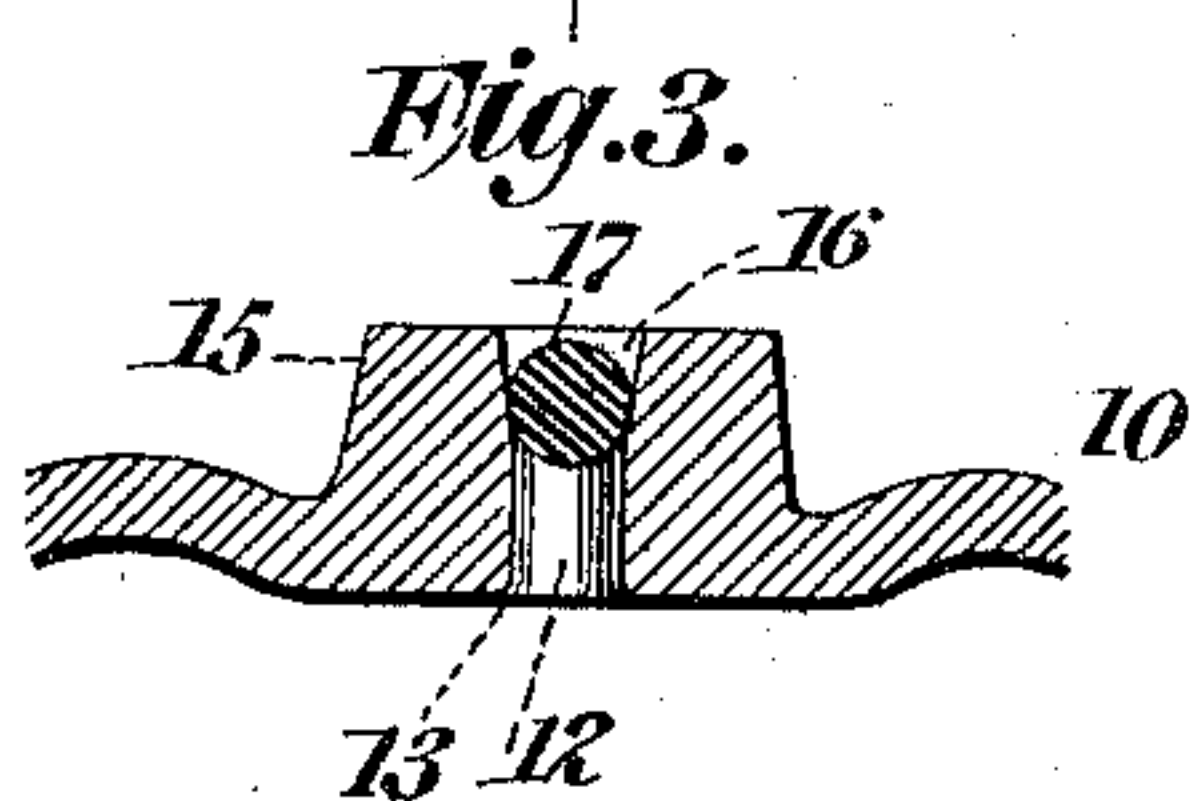
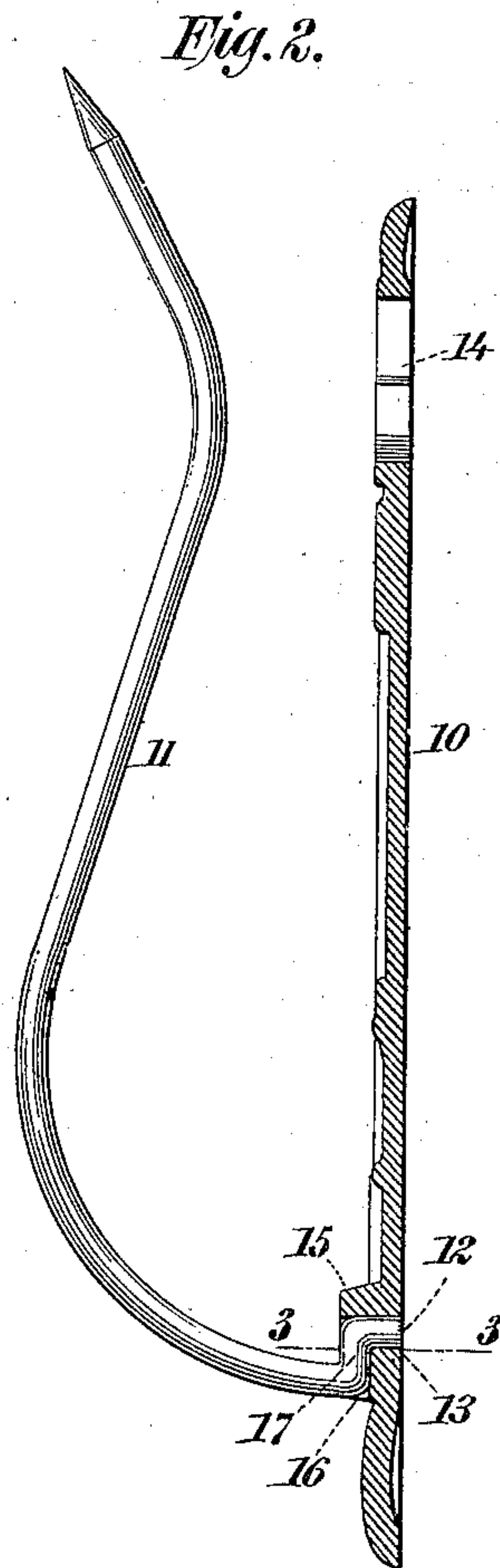
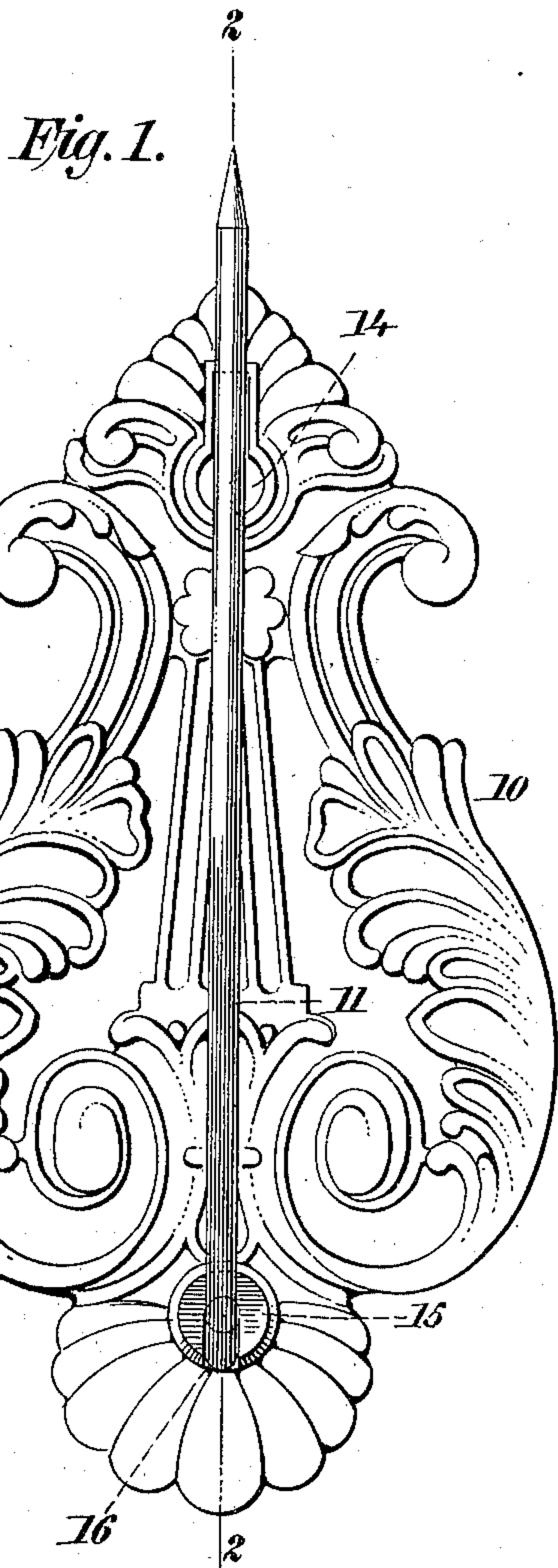
No. 741,422.

PATENTED OCT. 13, 1903.

F. A. WEEKS.
PAPER FILE.

APPLICATION FILED APR. 30, 1903.

NO MODEL.



WITNESSES:

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FRANK A. WEEKS, OF PLAINFIELD, NEW JERSEY.

PAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 741,422, dated October 13, 1903.

Application filed April 30, 1903. Serial No. 154,973. (No model.)

To all whom it may concern:

Be it known that I, FRANK A. WEEKS, a citizen of the United States, and a resident of Plainfield, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Paper-Files, of which the following is a specification.

The invention relates to improvements in paper-files; and it consists in the novel features of construction hereinafter described and claimed.

Paper-files of the class to which my invention pertains comprise an iron base-plate to be hung against a wall or other support and a wire hook pointed at its upper end and at its lower end held within an aperture formed in the said base-plate, the lower end of the wire hook being passed into said aperture and upset or headed at its extremity at the back of said base-plate. It has been found in practice very difficult to so secure the wire hook to the base-plate as to prevent said hook under the somewhat rough usage to which these files are subjected from turning axially at its lower end within the aperture in said base-plate. Notwithstanding the fact that the wire hook may appear to be very securely fastened to the base-plate during the manufacture of the goods, it is found that in service the said hook becomes sufficiently loose in its connection with the base-plate to turn axially, thereby rendering the file substantially useless.

It is the purpose of my invention to remedy the above defect in existing paper-files without materially increasing the cost of manufacturing the file or necessitating any increase in the selling-price of the same and to produce a file in which the hook will not be capable of turning axially in its receiving-aperture, even though the file be subjected to constant and careless or rough usage.

My invention therefore pertains to the means for securing the lower end of the wire hook to the iron base-plate, and this invention will be fully understood from the detailed description hereinafter presented, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation of a paper-file constructed in accordance with and embodying the invention. Fig. 2 is a central vertical

section of same on the dotted line 2 2 of Fig.

1. Fig. 3 is a detached horizontal section, on an enlarged scale, through a portion of same on the dotted line 3 3 of Fig. 2. Fig. 4 is a front elevation of a portion of the base-plate and illustrates a slight modification of the invention; and Fig. 5 is a detached side elevation of the lower end of a modified form of the wire hook adapted for connection with either the base-plate shown in Figs. 1 and 2 or the modification thereof shown in Fig. 4.

In the drawings 10 designates the base-plate, of usual or suitable outline, and 11 the wire hook pointed at its upper end to receive the papers and at its lower end having the horizontal arm 12 to be passed through an aperture 13 in the base-plate 10, the extremity of said arm 12 being upset or headed to prevent its withdrawal from said aperture.

The base-plate 10 is at its upper end customarily provided with an aperture 14 for enabling the file to be hung upon a nail or other support, and at its lower portion the said base-plate 10 is in the present instance provided with an integral hub 15, through which the aperture 13 passes and which in accordance with my invention is formed with a vertical groove 16, leading from the front end of the aperture 13 and adapted to receive an arm 17, formed at the lower end of the hook 11 by bending the wire thereof, as shown in Fig. 2. The base-plate 10 has therefore for its novel features the hub 15, containing the aperture 13 and groove 16, and the hook 11 has for its novel feature the angular arms 12 17 at its lower end, the arm 12 being adapted to the said aperture 13 and the arm 17 to the said groove 16, the opposite walls of the latter closely receiving said arm 17 and preventing any axial turning of the hook 11 on the arm 12. The groove 16 will preferably have tapered side walls, as shown in Fig. 3, so that the arm 17 may be closely pressed into said groove and be rigidly held thereby. The upsetting of the extremity of the arm 12 will tighten said arm in the aperture 13 and prevent the direct withdrawal of said arm therefrom, while the groove 16 and arm 17 prevent any axial turning of the hook 11 and relieve the arm 12 from all of the strains which would otherwise come upon it by any side thrusts exerted upon the hook 11 during the use of the file.

In the construction shown in Figs. 1, 2, and 3 the aperture 13 is at the center of the hub 15, and the groove 16 extends downwardly from said aperture along the lower half of said hub, and I consider that this is the neater and preferable construction; but there may be an advantage in having the groove 16 extend both above and below the aperture 13, as shown in Fig. 4, because when the groove 16 is thus extended entirely across the hub 15 the sand in which the base-plate is cast will not be so likely to stick within said groove and also because when the groove 16 extends entirely across the hub 15 said groove may be very readily cleaned out. I do not, therefore, desire to limit my invention to the extending of the groove 16 only half-way across the hub 15, since it is obvious that said groove may be extended entirely across said hub, if desired.

The arms 12 17 at the lower end of the hook 11 are formed by bending said end of the hook upwardly and outwardly in the outline of a right angle, and when the hook is given the form shown in Fig. 2 the lower end of the holding portion of the hook will extend outwardly from the lower end of the arm 17; but, if desired, the lower end of the hook 11 may be given the form illustrated in Fig. 5, so that the lower end of its holding portion will be in line with the aperture 13 in the base-plate 10, this necessitating the giving of the wire of the hook an upward bend, as at 20, and

then extending it outwardly in the usual way. The important part of the hook in respect of the present invention resides in the arms 12 17, the former to enter the aperture 13 and the latter to be engaged by the opposite walls of the groove 16.

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

1. The paper-file comprising the base-plate 10 and hook 11, said base-plate having the aperture 13 and in its front face and in line with said aperture the exposed groove 16, and said hook at its lower end having the arm 12 directly fastened within said aperture, and the vertical arm 17 closely fitting within said groove; substantially as shown and described.

2. The paper-file comprising the base-plate 10 and hook 11, said base-plate having on the lower portion of its front face the protruding hub 15 containing the aperture 13 and exposed groove 16 in line with said aperture, and the said hook at its lower end having the arm 12 directly fastened within said aperture, and the arm 17 closely fitting within said groove; substantially as shown and described.

Signed at New York, in the county of New York and State of New York, this 28th day of April, A. D. 1903.

FRANK A. WEEKS.

Witnesses:

CHAS. C. GILL,
ARTHUR MARION.