

No. 776,248.

PATENTED NOV. 29, 1904.

J. KYLE.
PRINTER'S REGISTER HOOK.

APPLICATION FILED NOV. 22, 1902.

NO MODEL.

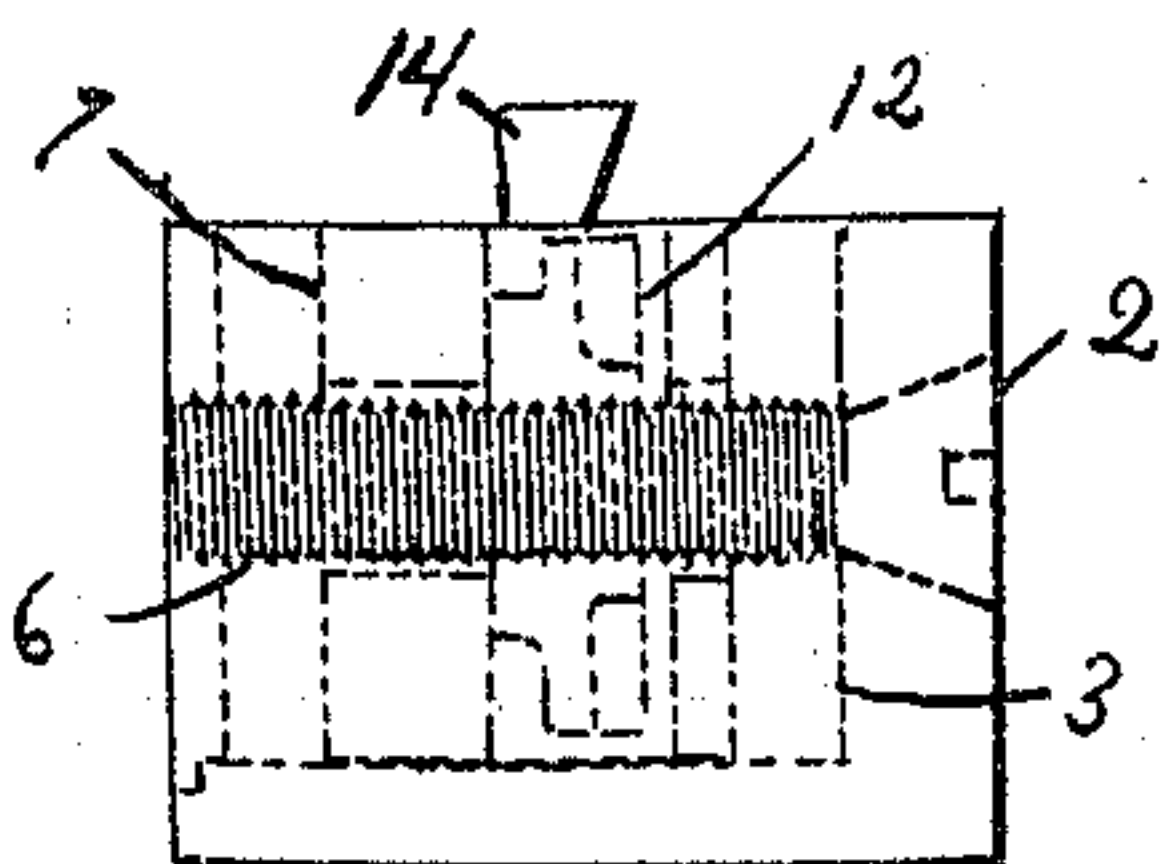
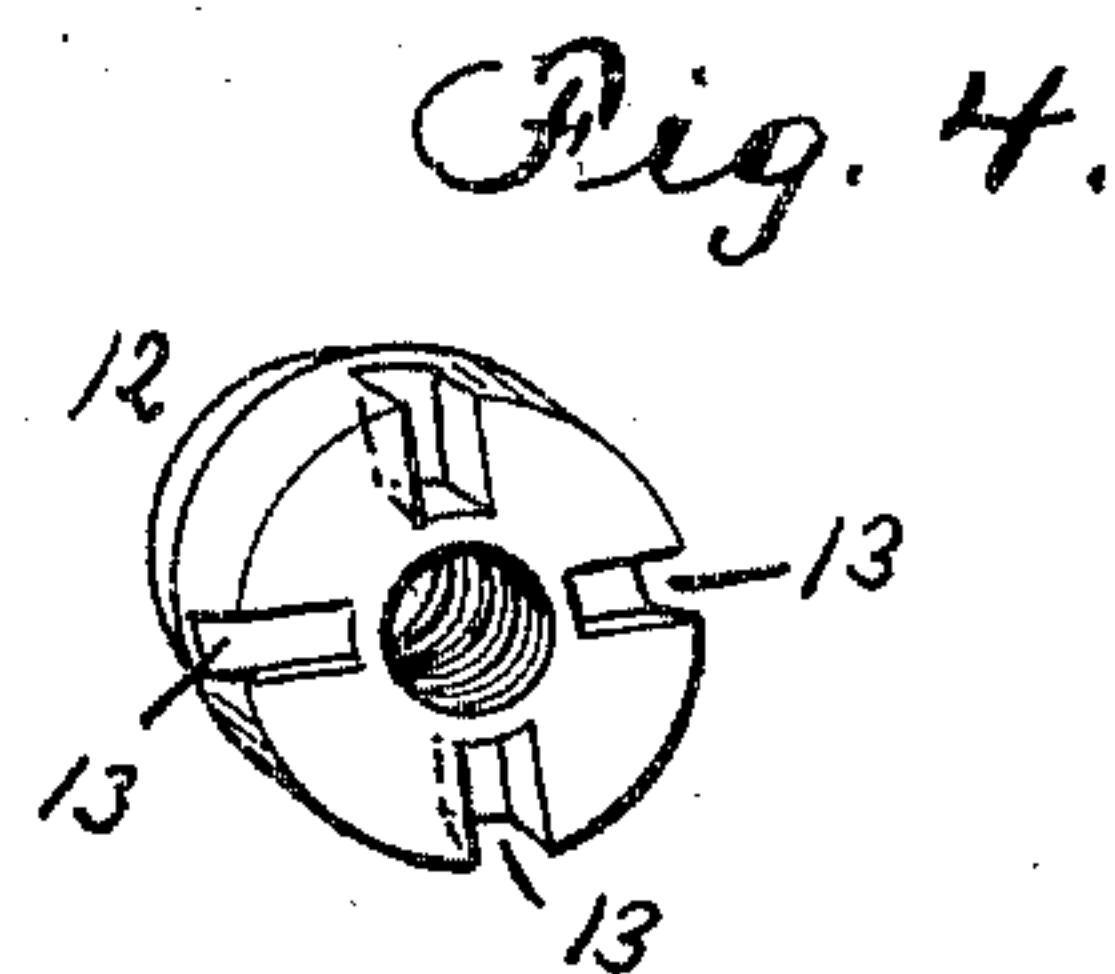
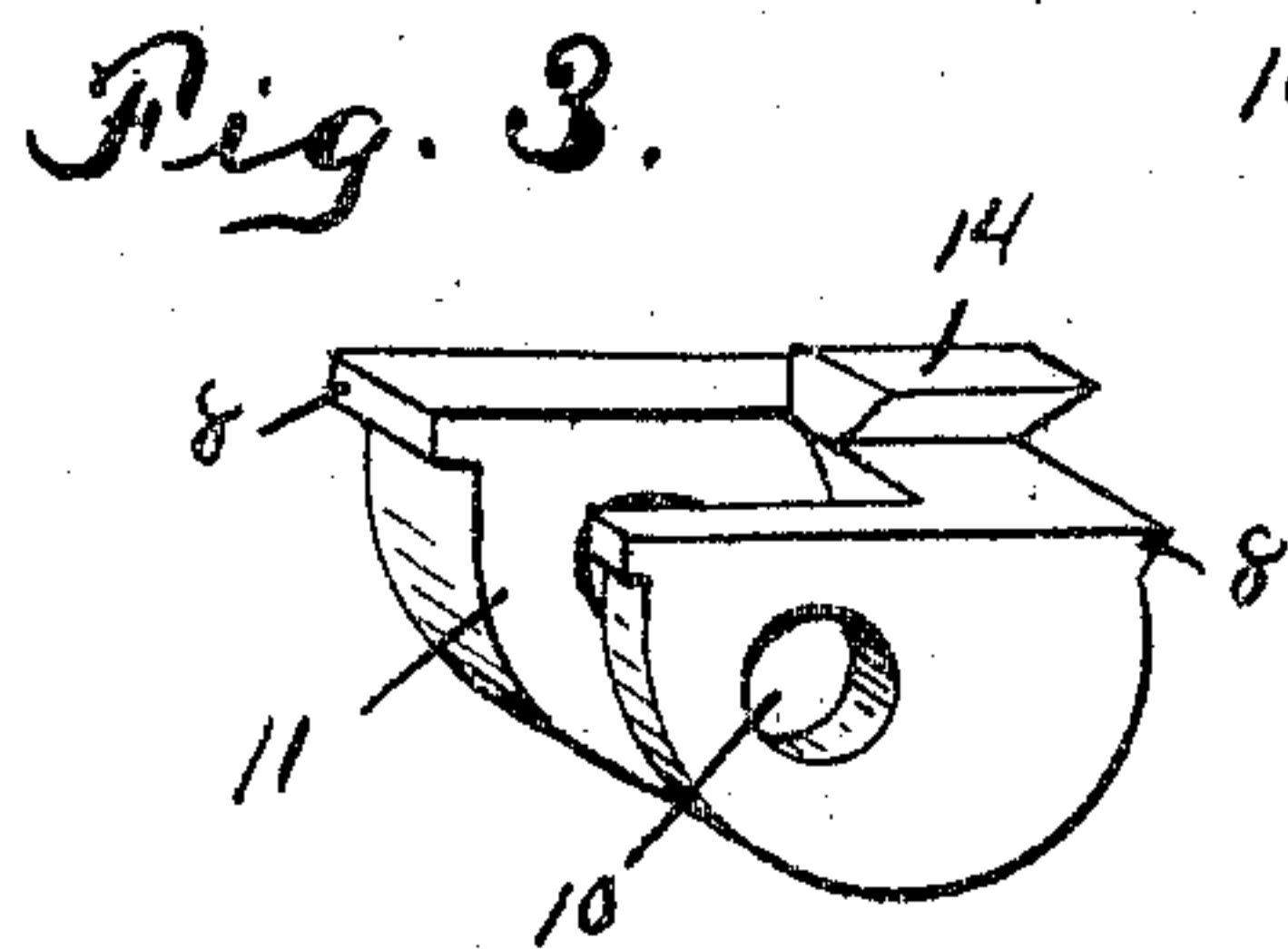
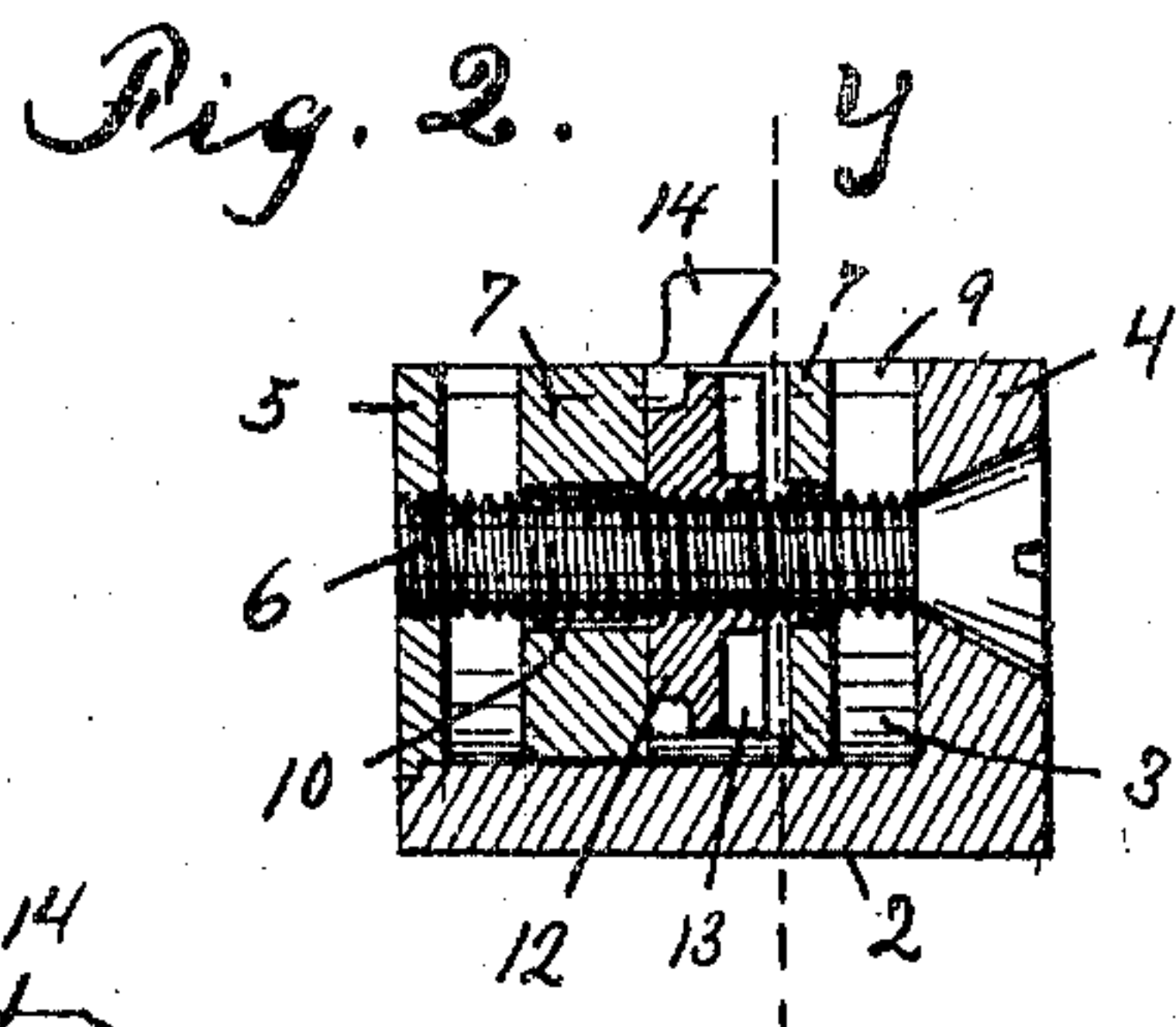
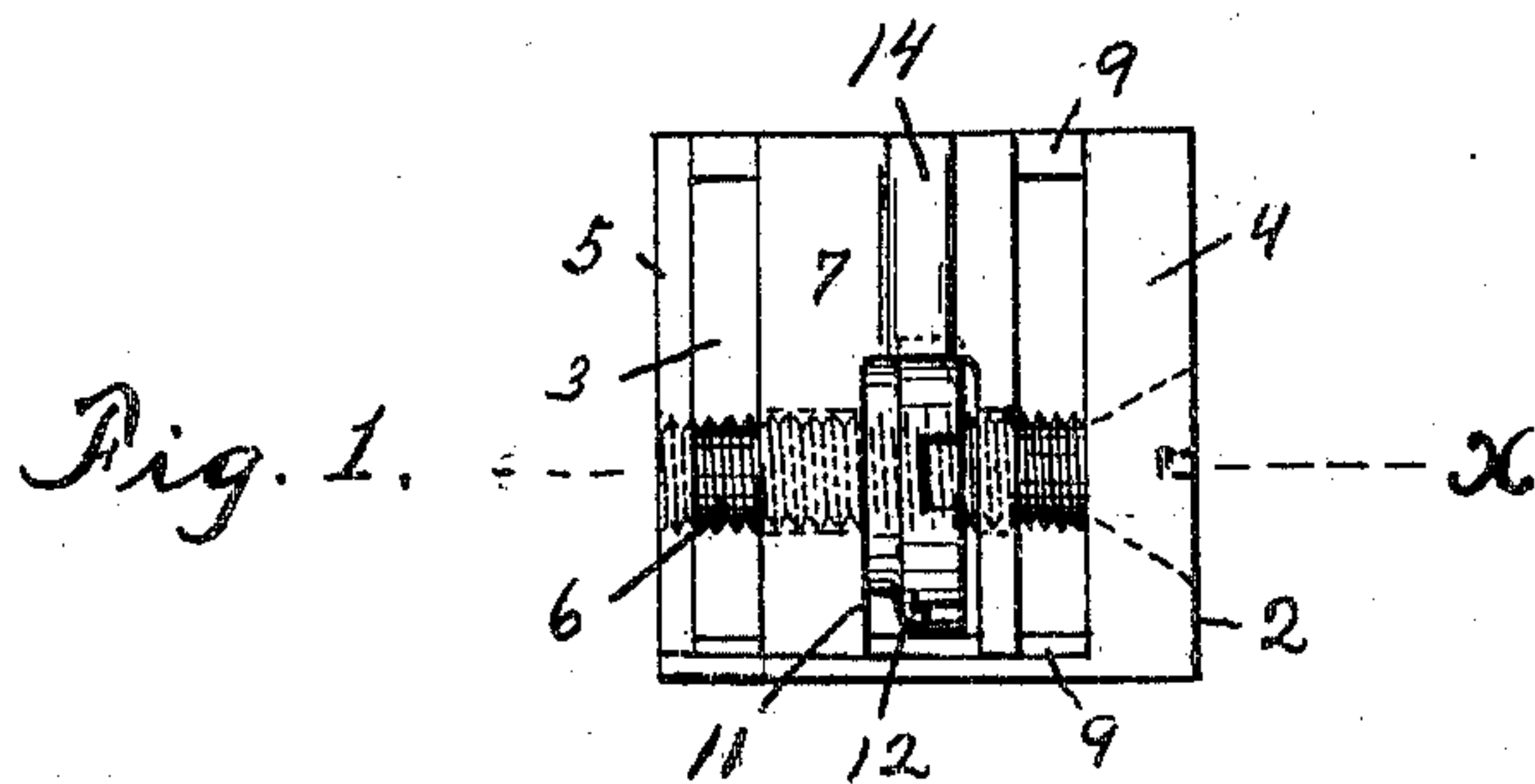


Fig. 5.

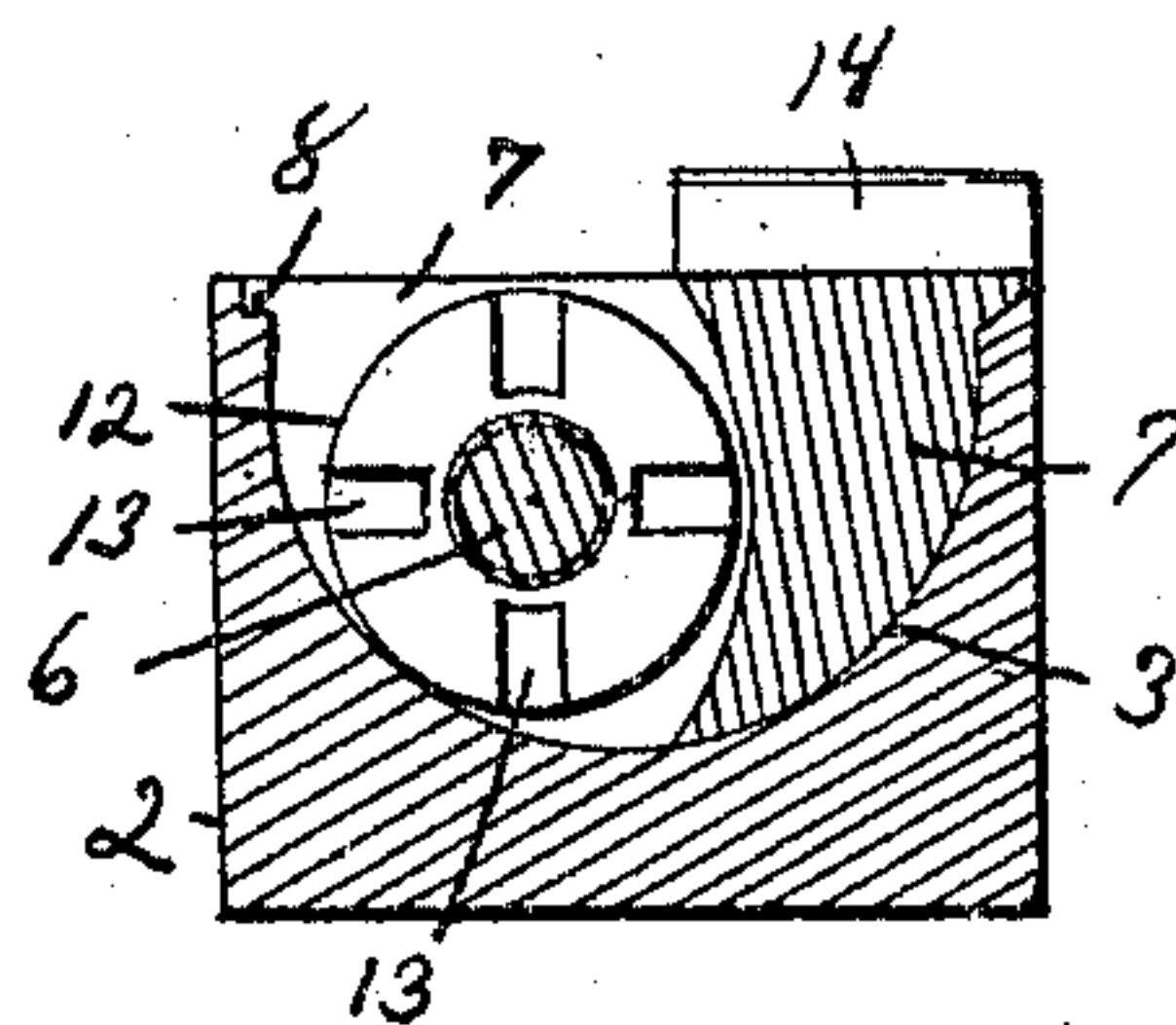
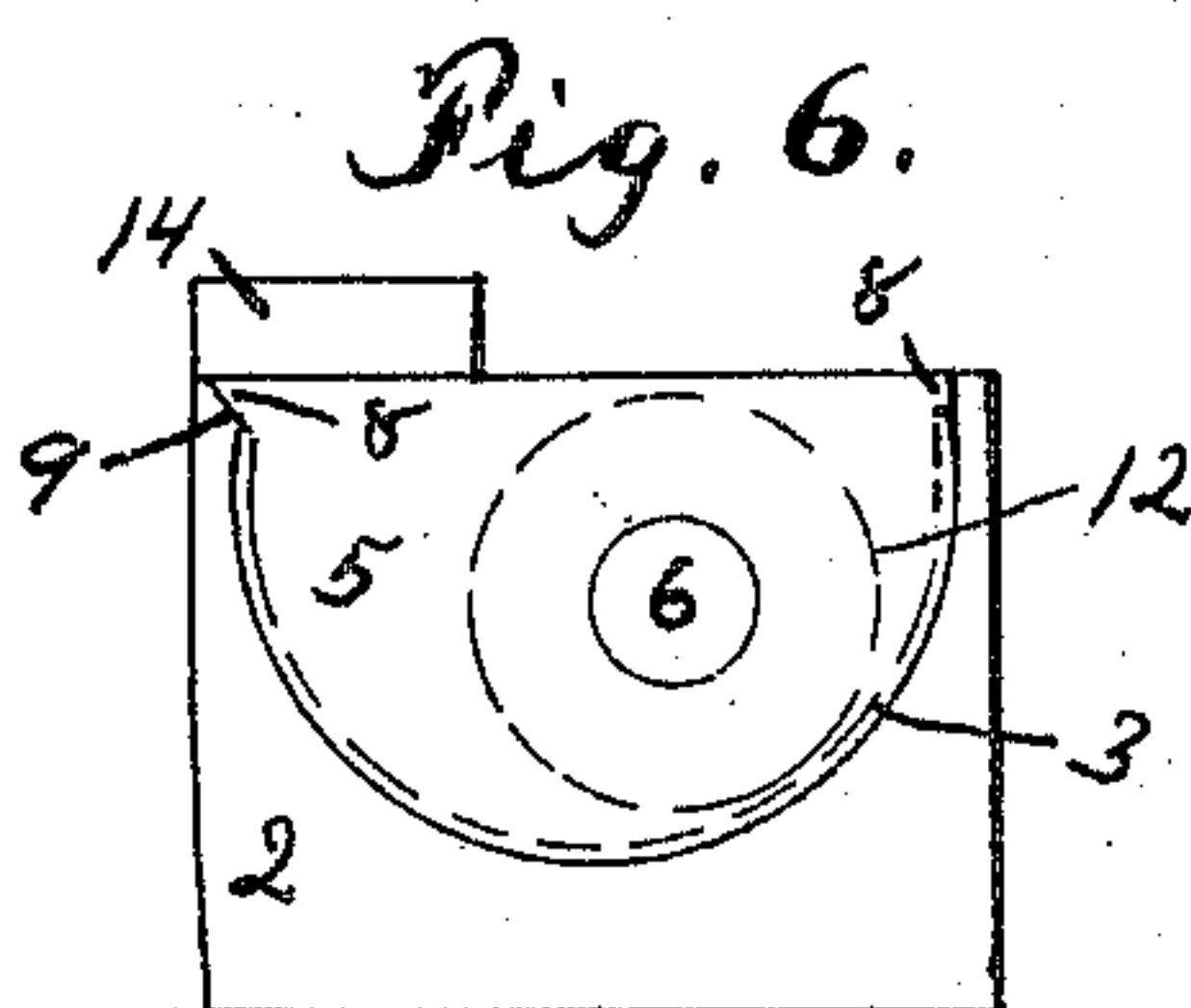


Fig. 7.

WITNESSES:

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PRINTER'S REGISTER-HOOK.

SPECIFICATION forming part of Letters Patent No. 776,248, dated November 29, 1904.

Application filed November 22, 1902. Serial No. 132,455. (No model.)

To all whom it may concern:

Be it known that I, JOHN KYLE, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have
5 invented and produced certain new and useful Improvements in Printers' Register-Hooks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the
10 art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to numerals of reference marked thereon, which form a part of this specification.

15 The objects of this invention are to provide a register-hook in which the adjusting-nut is in alinement edgewise with the hook proper, to thus obtain a hook which occupies less space between the plates and enables them to
20 be set closer together, to thus save labor and material, to insure permanent access to the adjusting-nut, and to secure other advantages and results, some of which will be hereinafter referred to in connection with the description
25 of the working parts.

The invention consists in the improved register-hook and in the arrangements and combinations of parts of the same, all substantially as will be hereinafter set forth, and finally
30 embraced in the clauses of the claim.

Referring to the accompanying drawings, in which like numerals of reference indicate corresponding parts in each of the several figures, Figure 1 is a plan of my improved hook,
35 and Fig. 2 is a vertical section of the same on line *x* from front to rear. Figs. 3 and 4 are perspective views, respectively, of a sliding carriage and its adjusting-screw. Fig. 5 is a side elevation, and Fig. 6 an end elevation, of
40 the improved hook; and Fig. 7 is a vertical transverse section on line *y*, Fig. 2.

In said drawings, 2 indicates the body portion of my improved hook, comprising a rectangular block of brass or the like adapted, as
45 usual, to fit among the type-furniture set in the chase and upon which the plates for printing are mounted. Said block has formed in itself a troughlike chamber or slideway 3, closed at one end by an integral wall 4 and at the other
50 end by a plate 5, fitted therein, as by oppo-

sitely recessing the edges of the plate and slideway, as shown in Fig. 2 more especially. A screw 6 then extends through both said end walls 4 and 5, its head being countersunk in the integral wall 4 and its opposite end terminating flush with the outer surface of the
55 plate 5, which is thereby held rigidly in place. Said screw 6 thus extends longitudinally through the chamber or slideway 3 of the block, being arranged more or less to one
60 side of the center line.

Within the said slideway 3 of the block 2 is fitted a sliding piece 7, which occupies half, more or less, of the length of the slideway, so as to secure a large bearing-surface thereon
65 and consequent firmness. Said sliding piece 7 is rounded at its bottom to nicely fit the trough-shaped bottom of the slideway and preferably at each of its side edges has a flange 8 (either beveled or flat, as shown) overlapping into a recess 9 in the block 2 at the edges
70 of the slideway. Said sliding piece 7 is apertured, as at 10, to loosely receive the screw 6, and transversely in from the adjacent side of the piece extends a vertical slot 11, adapted
75 to loosely receive an adjusting-nut 12, mounted upon the screw 6 and being correspondingly threaded. Said nut as it lies upon the screw 6 is tangent at its upper peripheral edge to the plane of the top of the sliding piece 7,
80 and said periphery of the nut has radial recesses 13, access to which is provided for a suitable wrench or lever (not shown) through the open top of the slot 11.

Upon the top of the sliding piece 7 is a hook
85 proper, 14, integral with said sliding piece and projecting upwardly to engage the edge of a plate, as is usual, said hook 14 being transversely disposed upon the unslotted side or portion of the sliding piece in alinement
90 with the slot 10 and nut 12 therein. Thus it will be noted that the adjusting-nut will be always exposed in use and can never be covered by the plate, since it is in alinement with the hook proper, which must obviously project
95 at the edge of a plate. As the hook proper is moved the adjusting-nut goes with it, and their mutually relative positions never change. Again, by placing the adjusting-nut 12 in edgewise alinement with the hook 14 an
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economy of space is secured which enables plates to be mounted closer together where a narrow margin is desired in printing and avoids waste of paper and a multiplicity of cuts on the cutting-machine in trimming.

Having thus described the invention, what I claim as new is—

1. A register-hook, comprising a body portion, a stationary screw, a transverse slide upon said screw, a hook proper upon said slide, and an adjusting-nut upon said screw in edgewise alinement with said hook proper.

2. A register-hook having a body portion, a stationary screw, a hook proper at one side of said screw, a nut on said screw in transverse line with said hook and means holding said hook proper and adjusting-nut in transverse alinement.

3. A register-hook having a body portion recessed to form a slideway, a stationary screw extending longitudinally of said slideway, a hook proper at the side of said screw and adapted to slide in said slideway, and an adjusting-nut on said screw in edgewise alinement with the hook proper and engaging the same to move it.

4. A register-hook having a body portion recessed to form a slideway, a stationary screw extending longitudinally of said slideway, a transverse hook proper in said slideway at the side of said screw, and an adjusting-nut on said screw adapted to engage said hook proper and having a wrench-receiving portion in edgewise alinement therewith.

5. A register-hook having a body portion providing a slideway, a screw extending longitudinally of said slideway, a sliding piece having around said screw a recess opening through its top and at one end of said recess a hook proper, and an adjusting-nut arranged in said recess upon said screw and having a wrench-receiving periphery in alinement with the said hook proper and exposed by said recess.

In testimony that I claim the foregoing I have hereunto set my hand this 15th day of November, 1902.

JOHN KYLE.

Witnesses:

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RUSSELL M. EVERETT.