

No. 734,937.

PATENTED JULY 28, 1903.

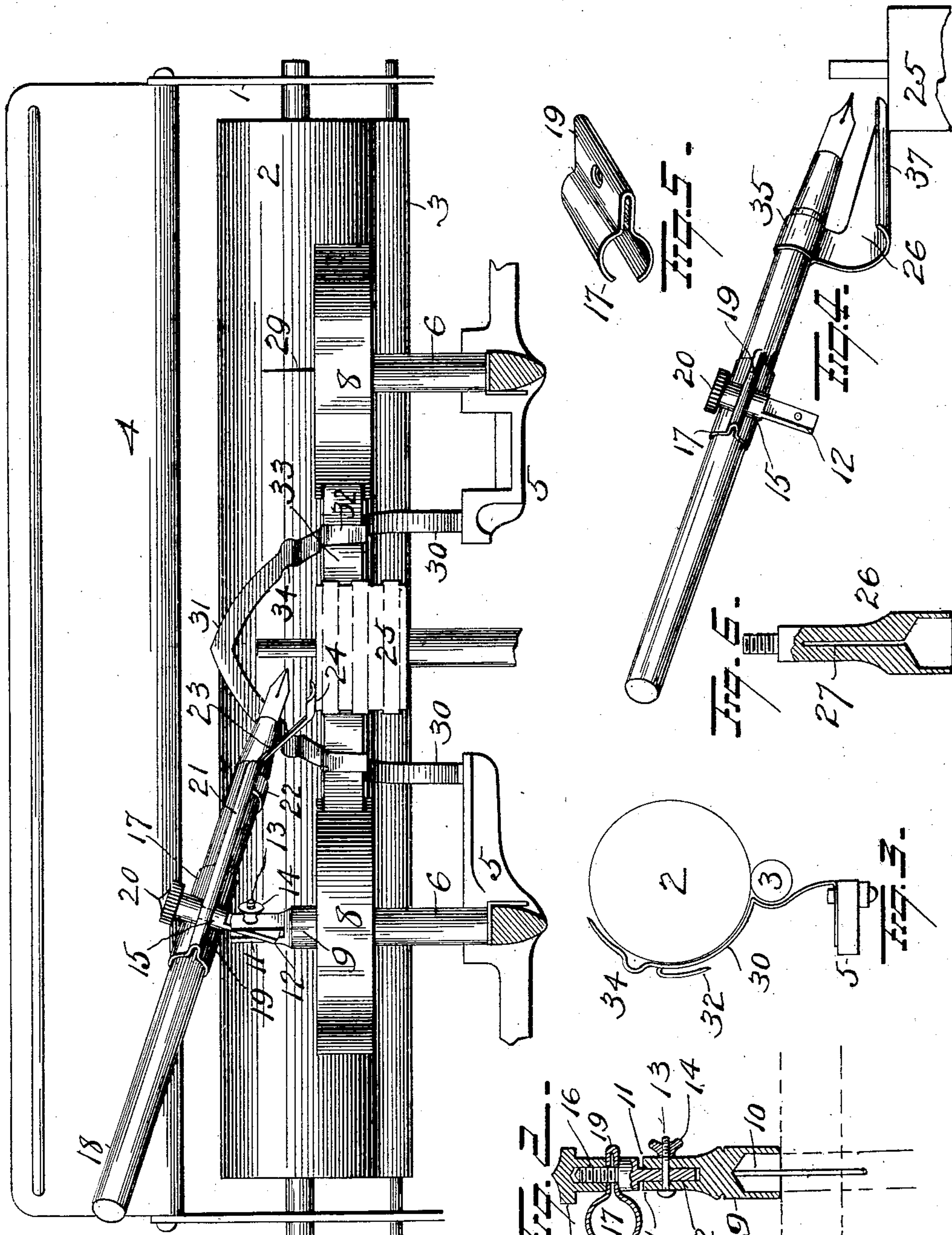
C. C. W. PECK.

RULING ATTACHMENT FOR TYPE WRITING MACHINES.

APPLICATION FILED JAN. 18, 1902.

NO MODEL.

2 SHEETS—SHEET 1.



WITNESSES,

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E. I. Nottingham
G. F. Downing.

INVENTOR

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C. C. W. Peck
By H. A. Seymour
Attorney

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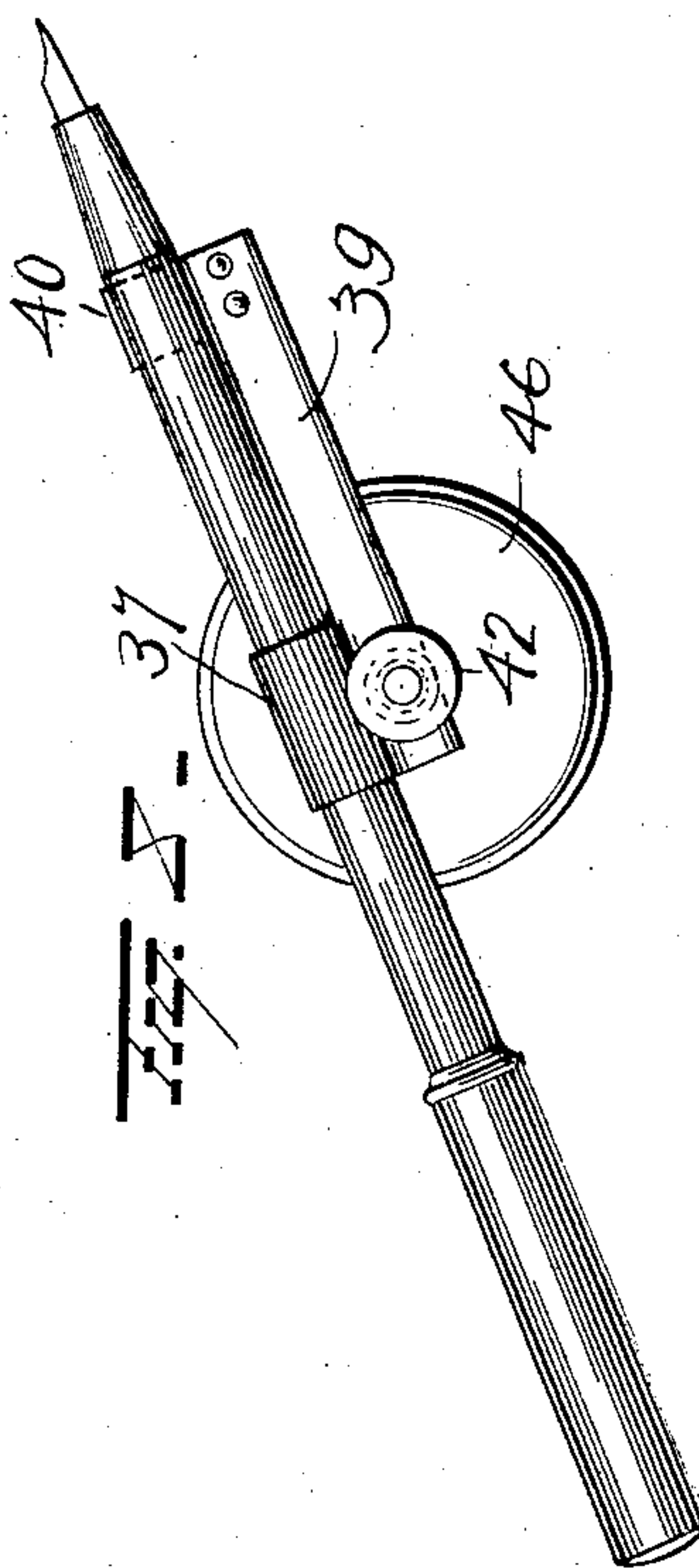
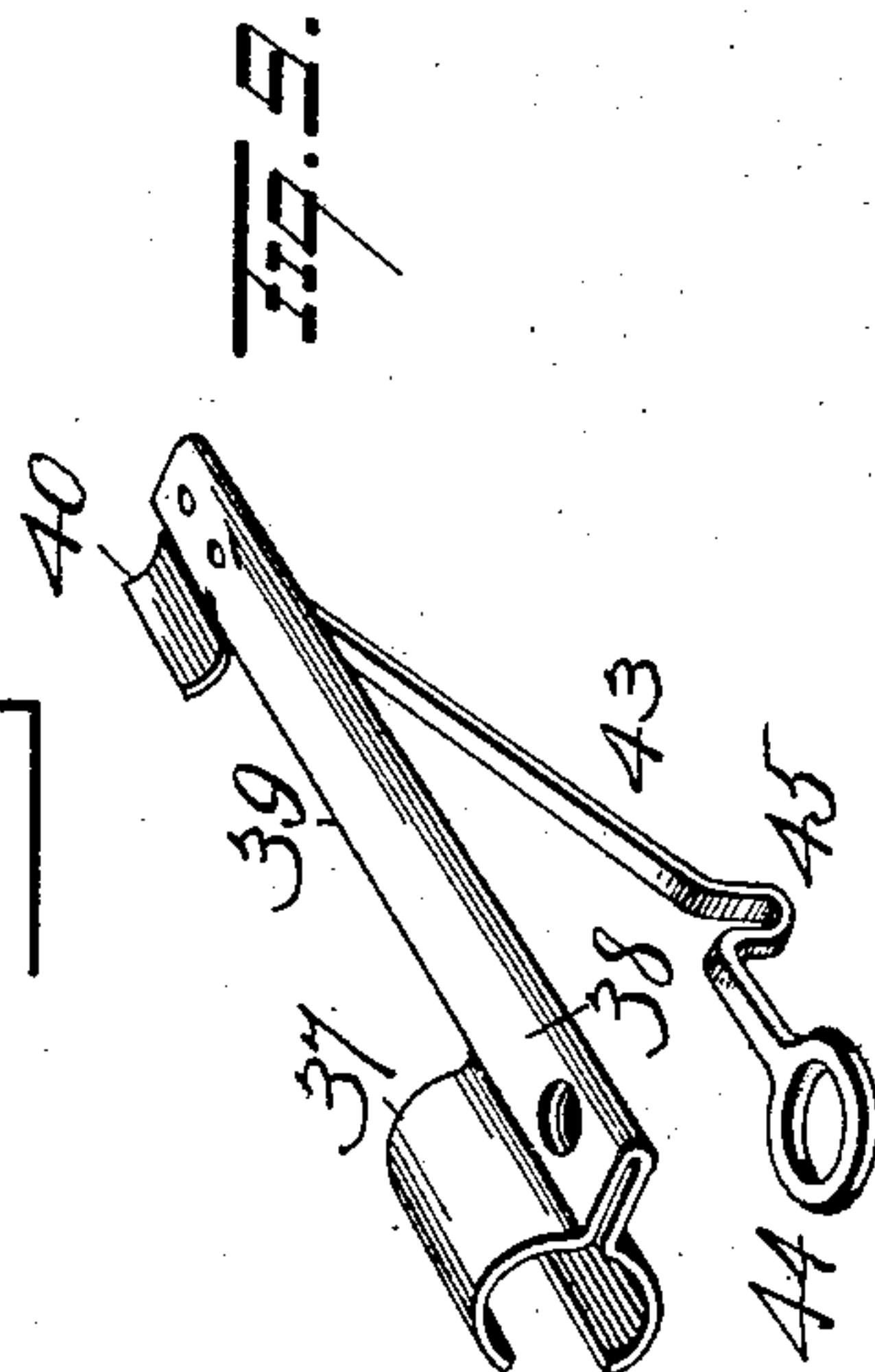
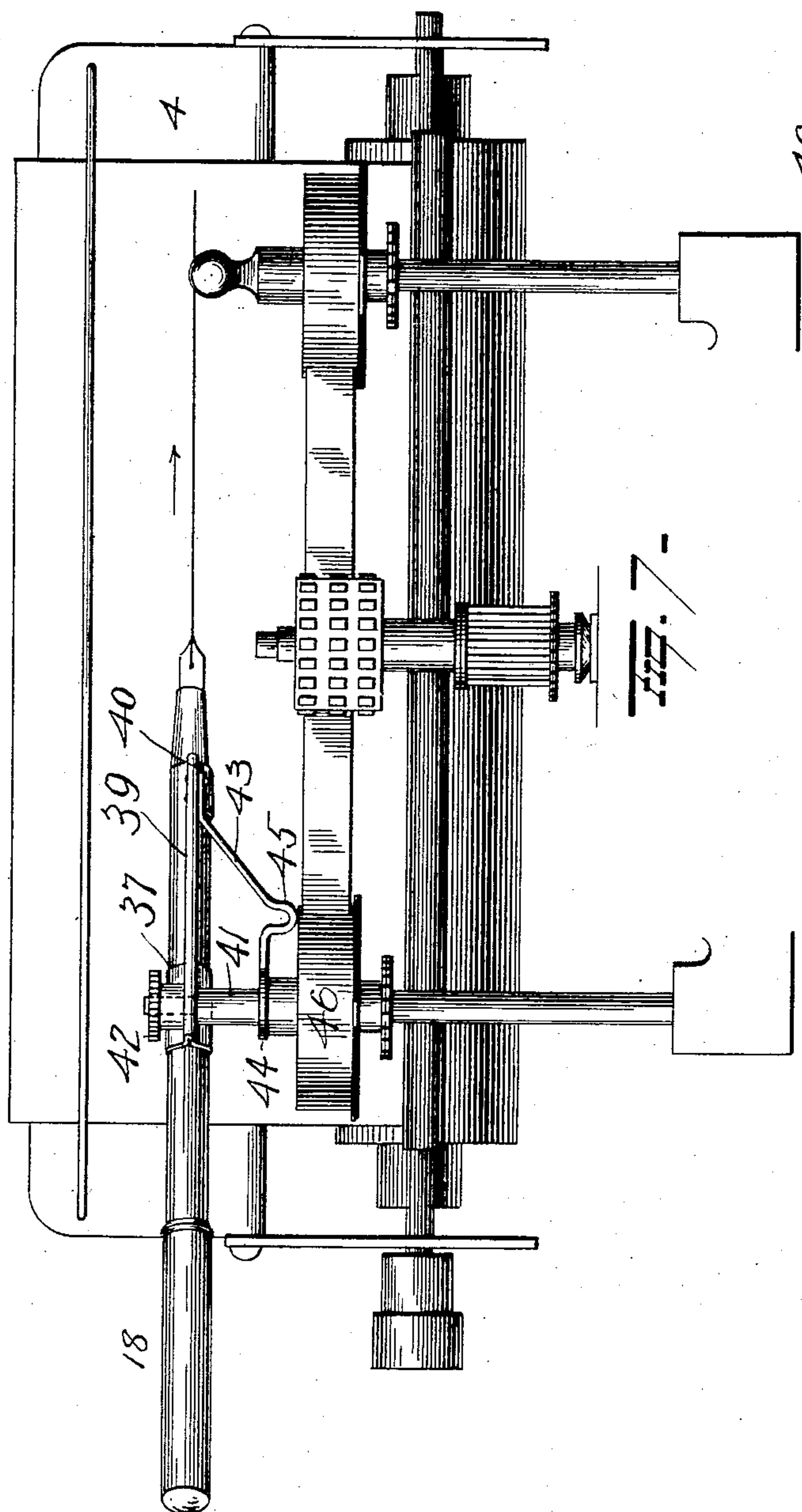
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UNITED STATES PATENT OFFICE.

CARLTON C. W. PECK, OF RUTHERFORD, NEW JERSEY.

RULING ATTACHMENT FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 734,937, dated July 28, 1903.

Application filed January 18, 1902. Serial No. 90,317. (No model.)

To all whom it may concern:

Be it known that I, CARLTON C. W. PECK, of Rutherford, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Ruling Attachments for Type-Writing Machines; 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 art to which it ap-
10 pertains to make and use the same.

My invention relates to improvements in type-writing machines, and more particularly to an improved ruling attachment.

The object of the invention is to provide
15 simple and efficient devices by means of which a pen or marker can be readily attached to a type-writing machine for the purpose of ruling the paper.

A further object is to provide an improved
20 attachment for type-writing machines by means of which an ordinary pen or pencil can be readily attached to a stationary portion of the machine and serve to mark rule-lines on the paper when the carriage is moved
25 or the platen rotated.

A further object is to provide devices for the purpose stated which shall be simple in construction, readily attachable to and detachable from a type-writing machine, and
30 which shall effectually and accurately perform the functions for which they are intended.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of a portion of a type-writing machine of the "wheel" type, showing the application of my improvements thereto. Figs. 2 and 3 are detail views. Figs. 4, 5, and 6 are views of modifications. Fig. 7 is a view of a portion of a type-writing machine, showing the
45 application thereto of another modified form of the invention. Figs. 8 and 9 are detail views of the form of the invention shown in Fig. 7.

1 represents the carriage of a type-writing
50 machine having a platen 2, a feed-roller 3, and a paper-guard or eraser-plate 4. A portion of the rigid frame of the machine is illus-

trated at 5, and on this frame the posts 6 are located for supporting the ribbon-reels, the latter being preferably inclosed by boxes or
55 caps 8.

A cap 9 is placed loosely upon one of the ribbon-posts and steadied by means of a pin 10, which projects downwardly from said cap and enters a socket in the ribbon-post. The
60 cap 9 is provided on its top with two parallel fingers 11, between which the lower end of an arm 12 is disposed and pivotally connected to said arms by means of a pin 13. The pin 13 is provided at one end with a head,
65 and at the other end it is threaded to receive a nut 14, which can be screwed tightly against one of the fingers 11 and serves to cause said fingers to clamp the arm 12 between them. The arm 12 is provided with a head 15 and a
70 screw-threaded shank 16, projecting above said head. A pen, pencil, or marker clamp or holder 17 is supported by the arm 12. This device is made of sheet metal bent to form two jaws which grasp a fountain-pen or
75 marker 18, and the portion of the metal between said jaws forms a double flange 19, having transverse holes through both members thereof for the passage of the shank 16 of arm 12. The clamp or holder 17 having
80 been placed on the shank 16 so that one member of the double flange will rest upon the head 15, a nut 20 is screwed on the shank and bears against the other member of the flange. By means of the nut 20 the jaws of the clamp
85 or holder can be made to tightly grasp the pen or marker. The double flange 19 is extended laterally some distance beyond the jaws of the clamp and forms a double arm 21, one member of which is provided at its free
90 end with a rest 22 for the pen or marker, and said member of the arm is provided with a leg 23, which projects downwardly and having at its free end a foot 24, adapted to rest upon the type-wheel 25, (or some other part
95 on the main frame of the machine,) and thus support the pen or marker in proper position to engage the paper.

From the construction and arrangement of parts above described it will be readily seen
100 that when the pen or marker is placed in position as above explained and the carriage moved freely from one end of its travel to the other a line will be made across the paper.

Should it be desired to mark another line on the paper close to the first line, it will simply be necessary to move the pen longitudinally in one direction or the other through the clamp, press the pen against the paper, and then move the carriage or platen. Should it be desired to make rule-lines longitudinally of the paper, this can be readily accomplished by permitting the carriage to remain stationary and rotating the platen, so that the paper will be fed out of or into the machine while the pen is bearing against it.

Instead of providing the cap 9 with the pin 10 and pivoting the arm 12 to the cap the cap and arm may be made in one piece, as shown at 26, Fig. 6, and provided with a socket 27 for the reception of a long pin projecting upwardly from one of the ribbon-posts, as shown at 29, Fig. 1. The ribbon-spool cap 8 may, if desired, be secured to the cap 26, Fig. 6, or the cap 9, as shown in Fig. 1.

A paper-guide 30 is secured to the frame of the machine, said guide being composed of a strip of spring metal having approximately inverted-V shape, the lower ends of the two arms being secured to the frame of the machine, and the apex 31 of the guide is disposed over the platen, as shown in Figs. 1 and 3. Each member of the guide 30 is provided with an arm 32, by which the ribbon 33 is guided. Each member of the guide 30 is also bent outwardly at 34 to prevent the same from rubbing against the paper where the rule-lines have been made by the pen.

Instead of making the pen-clamp and pen-support in a single piece these parts may be made separate, as shown in Figs. 4 and 5, in which case the pen-support comprises a collar 35 to receive the pen and a leg 36, having a curved foot 37 to rest on the type-wheel. The pen-clamp *per se* will remain the same, as before described.

In the form of the invention shown in Figs. 7, 8, and 9 I provide a pen-clamp 37, having the double flange 38, arm 39, and pen-rest 40, the same as shown in Fig. 1; but instead of providing the hinged arm shown in said figure I secure the pen clamp or holder to the upper end of the ribbon-spool post 41 by means of a thumb-nut 42, and instead of the leg 23 I employ with the form shown in Figs. 7 and 9 a leg 43, secured at one end to the arm 39 and provided at its other end with an eye 44 for the passage of the ribbon-post, said leg 43 being provided between its ends with a shoulder 45 to rest upon the spool-cap 46.

Other changes might be made in the details of construction of my invention without departing from the spirit thereof or limiting its scope, and hence I do not wish to limit myself to the precise details herein set forth.

Any of the forms of the invention may be adapted to make rule-lines on the paper as the latter passes either over platen or the eraser-plate, according to the character of the machine to which the ruling devices may be applied, it being simply necessary to so ad-

just the pen-holding devices as to cause the pen to bear against the paper as it passes over the eraser-plate.

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

1. The combination of a holder for a pen or pencil, means for clamping a pen or pencil in said holder, and means for removably securing said holder to a type-writing machine in proximity to the carriage.

2. The combination of a holder for a pen or pencil, means for securing a pen or pencil in said holder, and means for adjustably securing said holder to a type-writing machine in proximity to the carriage.

3. A ruling attachment for type-writing machines comprising a clamp having curved jaws, a fountain-pen held rigidly between said jaws, and means for securing said clamp to a type-writing machine in proximity to the carriage.

4. A ruling attachment for type-writing machines, comprising a clamp for a pen or marker, means for attaching said clamp to the machine, and a leg adapted to receive the forward portion of the pen or marker and support it on the machine.

5. A ruling attachment for type-writing machines, comprising in a single piece, a clamp for a pen or marker and a leg for supporting the forward portion of said pen or marker on the machine.

6. A ruling attachment for type-writing machines, comprising a clamp to receive a pen or marker, means for securing said clamp to the machine, an arm projecting from said clamp and a rest for the pen or marker at the free end of said arm.

7. A ruling attachment for type-writing machines, comprising a clamp for a pen or marker, an arm projecting from said clamp and adapted to support the pen or marker and a leg projecting from the free end of said arm and adapted to rest upon the frame of the machine.

8. In a ruling attachment for type-writing machines, the combination with a post on the frame of the machine, of a cap on said post, an arm hinged to said cap, a head on said arm, a pen or marker clamp on said arm and a nut on said arm securing the clamp in place against said head.

9. In a ruling attachment for type-writing machines, the combination with a support, of a clamp for a pen or marker, said clamp comprising two jaws connected by a double flange, the members of said flange having aligned holes, a threaded extension on the support, passing through said holes and a nut screwed on said threaded shank and clamping the double flange between it and said support.

10. In a ruling attachment for type-writing machines, the combination with a post on the frame and a cap on said post, of a pin on one of said parts and entering the other, and a pen or marker holder attached to said cap.

11. The combination with the frame of a
type-writing machine, a carriage and a platen
on the carriage, of a pen or marker carried
by the frame, and a guide to hold the paper
5 in place on the platen said guide having off-
set portions to prevent said guide from rub-
bing the line made by the pen or marker.

In testimony whereof I have signed this
specification in the presence of two subscrib-
ing witnesses.

CARLTON C. W. PECK.

Witnesses:

ALEX. M. FRISKE,
HENRY BENOIT.