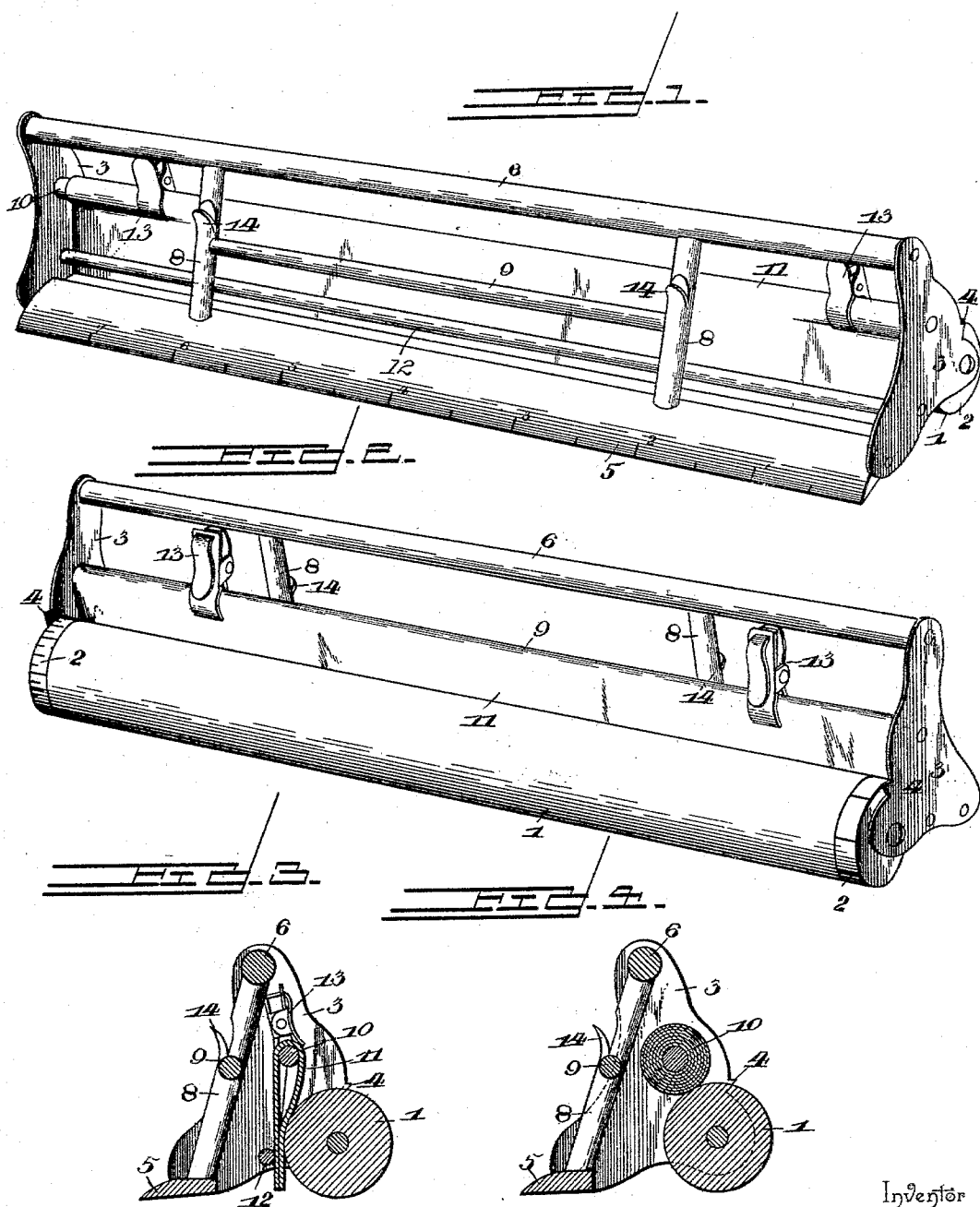


(No Model.)

E. P. DAVIES.
RULER AND PAPER CUTTER.

No. 552,988.

Patented Jan. 14, 1896.



Inventor

Witnesses

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EBENEZER P. DAVIES, OF SCRANTON, PENNSYLVANIA.

RULER AND PAPER-CUTTER.

SPECIFICATION forming part of Letters Patent No. 552,988, dated January 14, 1896.

Application filed June 15, 1895. Serial No. 552,943. (No model.)

To all whom it may concern:

Be it known that I, EBENEZER P. DAVIES, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented a new and useful Ruler and Paper-Cutter, of which the following is a specification.

This invention relates to an improvement in rulers and paper-cutters, and has for its object to provide a simple, convenient, and efficient combination device which shall combine a ruler, a blotter for removing ink therefrom, and a paper-cutter, which may also be used as a paper-cutter and a measuring-rule.

A primary object of this invention is to utilize the ordinary round ruler in connection with a carrier-frame by means of which such ruler may be manipulated and controlled.

A further object of the invention is to provide such round ruler with metallic end caps or ferrules, which are graduated and adapted to be used in connection with a pointer at either or both ends of the frame in which the ruler is mounted, for enabling the operator to space the lines at the same or any desired distance apart.

Other objects and advantages of the invention will appear in the course of the subjoined description.

In order to accomplish the objects above mentioned, the invention consists in certain novel features and details of construction and arrangement of parts, whereby advantages in point of simplicity and efficiency are attained, as hereinafter fully described, illustrated in the drawings, and finally embodied in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a combined ruler and paper-cutter constructed in accordance with this invention and looking toward the rear thereof. Fig. 2 is a similar view looking toward the front of the device. Fig. 3 is a transverse vertical section through the same. Fig. 4 is also a transverse vertical section showing the blotter in the form of a cylindrical roller.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

Referring to the accompanying drawings, 1 designates an ordinary round ruler, which

may be made of wood or any preferred material and of any desired length and diameter. For the purposes of carrying out this invention, the ends of said ruler have applied thereto a pair of metallic caps or ferrules 2, the annular flanges or portions of which are graduated for a purpose that will appear. This round ruler is journaled at its ends in a pair of end brackets or frame-plates 3, which are substantially triangular in shape and have interposed between them several connecting bars or rods, which contribute to form a stout rigid frame, by means of which the ruler may be controlled. These end brackets or frame-plates are provided each with an integrally-formed spur 4, which performs the office of a pointer, and which, when used in connection with the graduated caps or ferrules upon the ends of the round ruler, enable the operator to properly space the distance between the lines.

5 designates the paper-cutter, which consists of a flat strip of metal, riveted or otherwise secured at its ends to said end plates 3, said strip being beveled or chamfered off at its rear edge to facilitate its operation as a paper-cutter, and being also provided with a series of graduations corresponding to the graduations on an ordinary foot-rule, as shown.

6 designates a top bar, which extends across between the upwardly-projecting ends of the triangular end plates and is riveted thereto, said bar being round in cross-section and constituting the handle of the device, by means of which the same may be grasped and moved across the surface to be ruled.

Interposed between the stationary paper-cutter and the handle 6 is a pair of approximately-vertical braces 8, and interposed between and connected with said braces is a central horizontal thumb-rod 9, which is adapted to receive the thumb of the operator for enabling the device to be more thoroughly steadied by the operator's hand.

10 designates another rod, which is interposed between the end plates 3 and is arranged in close proximity to the round ruler 1. A sheet or strip of blotting-paper or other absorbent material 11 is looped at its central portion around this rod 10, and the terminals or opposite edges of said strip of blotting-paper are tucked or inserted between the

ruler 1 and a small longitudinal rod 12, interposed between and connected with the end plates and located near said ruler. The relative disposition of the revoluble ruler and the longitudinal rods 10 and 12 is such that the blotting-paper is held normally pressed against and resting in contact with said ruler. A pair of spring-clasps 13 are applied to the rod 10 and the blotting-paper or other material extending around the same, for holding said paper firmly thereon. By pressing said clasps rearwardly or toward the paper-cutter, it will be seen that the blotting-paper may be pressed still more closely against the ruler 1.

If preferred, the rod 10 may be omitted and replaced by a roller extending longitudinally of the device and journaled at its ends in the end plates 3, said roller being covered with blotting-paper or equivalent absorbent material, as indicated in Fig. 4. This construction will dispense with the strip of blotting-paper 11, rod 12, and spring-clasps referred to. By means of either of the constructions described, however, it will be apparent that I am enabled to utilize a round ruler, which is acknowledged to be the best form of ruler in existence and to thoroughly control the movements thereof by means of the frame above described. By means of the graduated end cap or ferrules upon said roller, in connection with the pointers on the end plates, the lines may be spaced the same or any desired distance apart, and by reason of the particular arrangement of blotter referred to the liability of the ink being carried by the revoluble ruler to the paper or surface being ruled is entirely obviated. The distance between the point of contact of the ruler and the paper-cutter is of such extent that any desired amount of pressure may be applied to the handle-rod at the top when used as a paper-cutter or ruler. It will also be apparent that by the construction described all applied pressure and weight are thrown upon the ends of the round ruler, thus enabling the latter to move with accuracy across the surface to be ruled, and preventing all liability of the same from twisting as in the case of an ordinary ruler where the pressure is applied at the center. If desired, notches 14 may be formed in the vertical braces between the paper-cutter and the handle-rod at the top, thus providing for the reception of a penholder.

The combination ruler, paper-cutter, &c., above described will be found of the greatest possible convenience and utility in office and school work. It is very simple in construction, can be manufactured at very slight cost and will effect a great saving in time over the ordinary ruling devices in common use.

Changes in the form, proportion and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what

is claimed as new, and desired to be secured by Letters Patent, is—

1. A combined ruler and paper cutter, comprising a cylindrical ruler, a metal paper cutting strip extending in parallel relation thereto, a pair of end plates to which said cutter is rigidly secured and in which the ruler is journaled, and a hand rod connecting said end plates and located above the plane of the ruler and cutter and in vertical alignment with the space between said ruler and cutter, substantially as and for the purpose described.

2. The herein described device, comprising a cylindrical revoluble ruler, a suitable frame in which said ruler is journaled, a sheet or strip of absorbent material arranged within the said frame and in proximal relation to the ruler, and means for pressing said absorbent material in contact with the ruler, substantially as and for the purpose specified.

3. In a combined ruler and paper cutter, the combination with a pair of end plates, of a cylindrical ruler interposed between and journaled in said end plates, a stationary paper cutter rigidly connected with said end plates and extending in parallel relation to said ruler, a top connecting bar interposed between said end plates and constituting the handle of the device, and a pair of approximately vertical braces interposed between the paper cutter and handle and connected by a horizontal rod which is adapted to receive the thumb pressure of the operator's hand, for the purpose substantially as described.

4. In a combined ruler and paper cutter, a pair of end plates, in combination with a cylindrical and revoluble ruler interposed between and journaled in said end plates, a metallic paper cutting strip interposed between and rigidly connected with said end plates, a handle rod connecting said plates at or near their upper ends, a supplemental rod extending in parallel relation and arranged in close proximity to said cylindrical ruler and adapted to have a sheet or strip of blotting paper or other absorbent material applied thereto, another rod also arranged close to said ruler and adapted to have the edges of the blotting material inserted between the same and said ruler, and one or more clasps for clamping the blotting material to the rod to which it is applied, said clasps being adapted to operate substantially in the manner and for the purpose set forth.

5. A combined ruler and paper cutter, comprising a cylindrical ruler, a metal paper cutting strip extending in parallel relation thereto, a pair of end plates to which said paper cutter is rigidly secured and in which said ruler is journaled, a top rod or handle interposed between and connecting said end plates, and two or more uprights or connecting braces interposed between the top bar or handle and the paper cutting strip and formed with notches which constitute a pen rack, substantially as set forth.

6. In a combined ruler and paper cutter, an
oppositely disposed pair of end plates spaced
any desired distance apart in combination
with a revoluble ruler interposed between
5 and journaled in said plates, a metal paper
cutter also interposed between and having a
rigid connection with said plates, a top rod
or handle disposed above the ruler and cutter,
and a rod extending parallel to and in close
10 proximity with said ruler and having blotting

paper or other absorbent material wrapped
around the same and resting in contact with
the ruler, substantially as specified.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in 15
the presence of two witnesses.

EBENEZER P. DAVIES.

Witnesses:

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