M. A. KEATING.

WORK SUPPORT.

APPLICATION FILED OCT. 16, 1914.

1,178,237.

Patented Apr. 4, 1916.

Fig. 1.

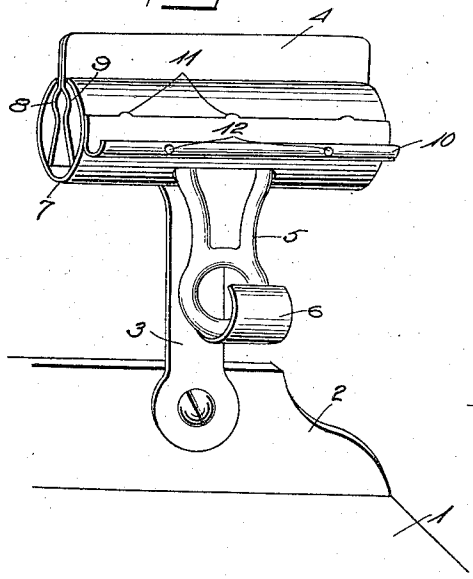


Fig. 2.

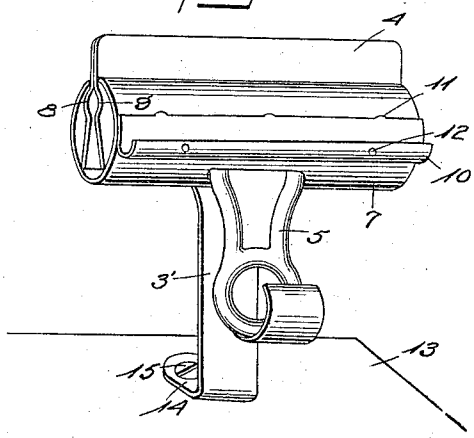


Fig. 3.

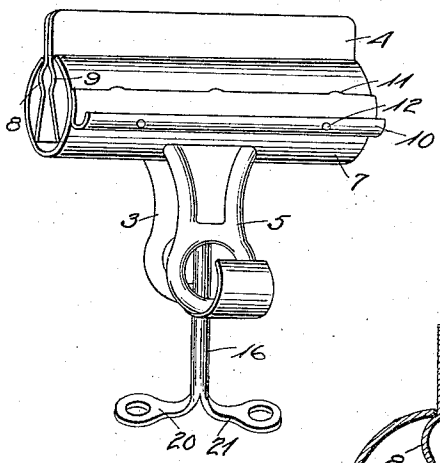


Fig. 4.

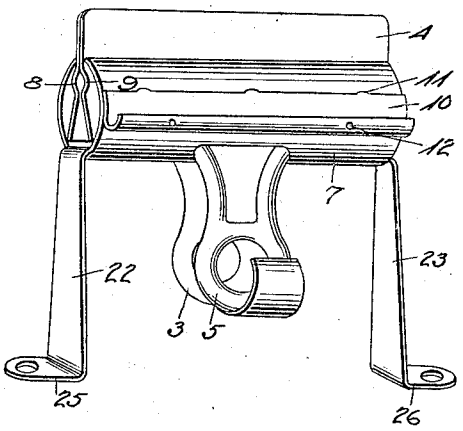
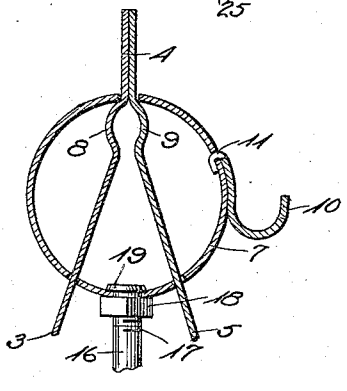


Fig. 5.



WITNESSES

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WORK-SUPPORT.

1,178,237. Specification of Letters Patent. Patented Apr. 4, 1916.

Application filed October 16, 1914. Serial No. 866,919.

To all whom it may concern:

Be it known that I, MARY A. KEATING, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Work-Support, of which the following is a full, clear, and exact description.

This invention relates to improvements in work supporting devices, and particularly to a device for use in the school room for acting as a support for sheets, pencils, and objects to be drawn as well as other suitable articles.

A further object of the invention is to provide a supporting clamping member designed to be secured to a desk or other support which will resiliently clamp an article in place so as to hold the same in view continually.

A still further object in view is to provide a work supporting device formed with a resilient clamp for sheet material and a plurality of means for holding various other articles, the entire construction being arranged to be supported upon an upstanding flange or upon a flat substantially horizontal surface.

In the accompanying drawings—Figure 1 is a perspective view of an embodiment of the invention, the same being shown applied; Fig. 2 is a perspective view of a modification of the device shown in Fig. 1; Fig. 3 is a perspective view of another slightly modified form of the invention to that shown in Fig. 1; Fig. 4 is a perspective view of a still further modified form of the invention to that shown in Fig. 1; Fig. 5 is a fragmentary sectional view on line 5—5 of Fig. 3, the same being on an enlarged scale.

Referring to the accompanying drawings by numerals, 1 indicates a desk or table of any desired kind provided with an upright member 2. Secured to the upright member 2 is the long arm 3 of the clamping plates 4, the short arm 5 being provided with a suitable hook 6 known as a shelf. The arm 3 may be secured in place by a screw or other clamping means so as to rigidly support the jaws 4 together with the tubular spring 7. The jaws 4 are provided with bowed-out or beaded portions 8 and 9 which hold the spring tubular member 7 in place whereby the same act against the jaws for resiliently forcing the same together. The arms 3 and 5 extend through suitable slots in the tubular spring 7 so that when the device is in position as shown in Fig. 1 a pressure on arm 5 toward arm 3 will cause the jaws to open ready for the insertion of any desired piece of work, as for instance a sheet containing an illustration thereon. Connected with the tubular spring 7 is a pencil shelf 10 which preferably extends for the full length of the spring 7 but may extend beyond said spring or fall short of the ends thereof without departing from the spirit of the invention. Shelf 10 is held in place by one or more lugs 11 projecting through suitable apertures in member 7 and bent over and clenched as shown in Fig. 5. The pencil shelf 10 is provided with any desired number of holes or apertures 12 to which articles may be tied when the device is used in the school room. For instance, articles to be drawn may be tied to the shelf 10, and also articles to be drawn may be illustrated on the sheet held by the jaws 4. It is to be noted that the entire work support is arranged at one edge of the desk and above the same so as to be entirely out of the way of anything on the desk.

In Fig. 2 will be seen a slightly modified form of the invention in which the device is designed to be applied to a flat topped table, desk or other suitable support 13. In order to accommodate the device to this kind of a support the arm 3′ is provided with a bent-over portion 14 for receiving the screw or other fastening means 15. Figs. 3 and 5 disclose a modified form of the invention in which the device is supported by a standard 16, which standard is preferably threaded at 17 near the top for receiving a nut 18. The extreme top of the standard 16 passes through a suitable aperture in the spring 7 and is upset or riveted at 19. The lower end of the standard 16 is split and flared so as to present a pair of arms 20 and 21 which are adapted to receive screws or other fastening means.

Fig. 4 discloses a modified form of the invention in which legs or supports 22 and 23 extend from the end of the spring 7. These legs or supports extend below the arms 3 and 5 which are preferably of the same length and are bent over for forming feet 25 and 26, which feet are provided with apertures for receiving screws or other fastening means. The legs 22 and 23 are preferably formed integral with the spring 7 but if desired may be formed independent and secured thereto in any desired way, as for

instance by rivets or by having lugs extending through suitable apertures in the same way as the shelf 10 is supported on spring 7.

What I claim is—

1. In a support of the character described, a tubular spring split for its full length so as to produce a pair of gripping portions, a pair of jaws extending between said gripping portions, one of said jaws being formed with an arm having a hook for receiving an article and the other of said jaws being formed with an extension provided with an opening for receiving a securing member, said jaws being adapted to grip an article which may be released by pressure of said first mentioned arm.

2. In a support of the character described, a spring member formed with a pair of gripping portions, a pair of jaws extending between said gripping portions, one of said jaws being formed with an arm having a hook for receiving an article and the other of said jaws being formed with an extension provided with an offset portion constructed to receive a securing member, said jaws being adapted to grip an article which may be released by pressure on said first mentioned arm.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MARY A. KEATING.

Witnesses:
VERA D. KEATING,
A. L. KITCHIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."