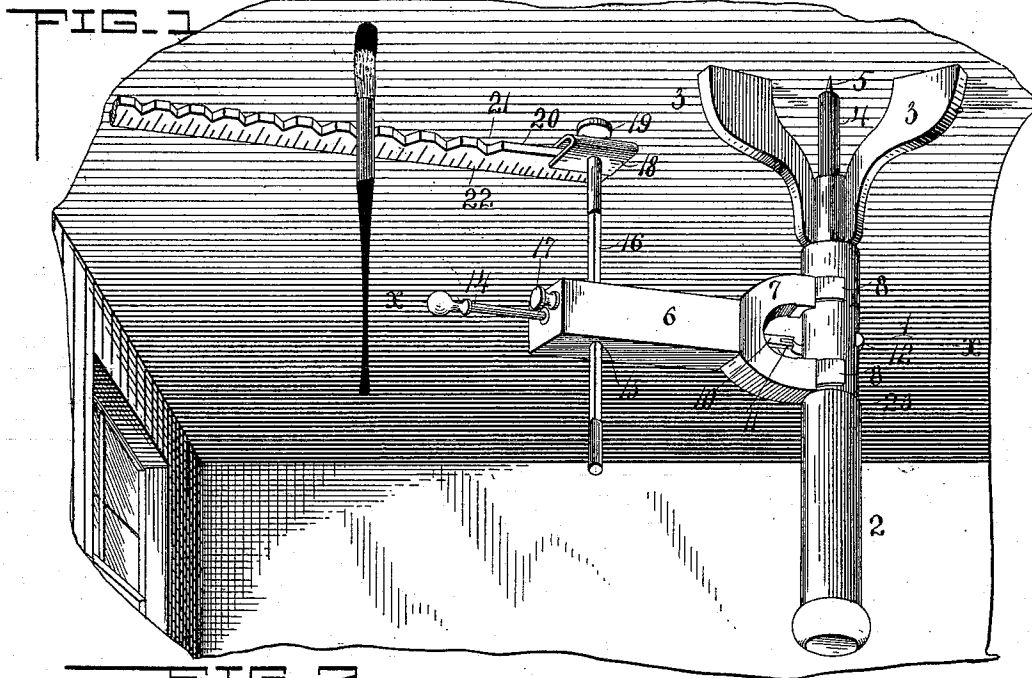
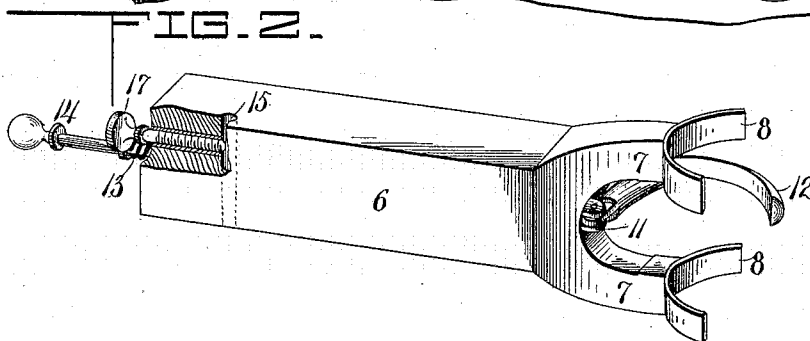
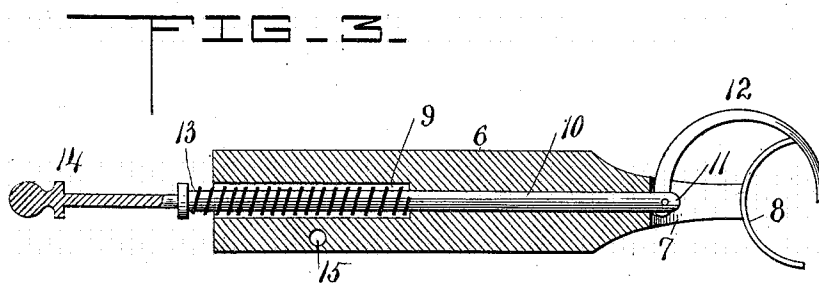


(No Model.)

F. C. WILDMAN & S. E. ALLEN.
DEVICE FOR MAKING CIRCLES.

No. 601,455.

Patented Mar. 29, 1898.



Witnesses
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UNITED STATES PATENT OFFICE.

FRANK C. WILDMAN AND SABIN E. ALLEN, OF WALTHAM, MASSACHUSETTS.

DEVICE FOR MAKING CIRCLES.

SPECIFICATION forming part of Letters Patent No. 601,455, dated March 29, 1898.

Application filed May 4, 1897. Serial No. 635,065. (No model.)

To all whom it may concern:

Be it known that we, FRANK C. WILDMAN and SABIN E. ALLEN, of Waltham, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Devices for Painting or Marking Circles; and we 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 appertains to make and use the same.

This invention relates to a device for painting or marking circles; and it consists, essentially, of an adjustable arm rotatably mounted on a support and adapted to be attached to or engage and operate with a gas-pipe or chandelier-support.

The invention further consists of the details of construction and arrangement, which will be more fully hereinafter described and claimed.

The object of the present invention is to facilitate the work of fresco painters and decorators by providing a convenient device which can be used for accurately painting or marking circles, the parts being simple and effective in construction and operation, strong and durable, and easily and effectively operated and adjusted.

In the accompanying drawings, Figure 1 is a perspective view of the improved device shown in operative position and as holding a brush. Fig. 2 is a similar view of a part of the device detached. Fig. 3 is a horizontal section on the line *x x*, Fig. 1.

Referring to the drawings, wherein similar numerals of reference are employed to indicate corresponding parts in the several views, the numeral 1 designates a post or upright having a lower grip or handle 2 and outwardly-projecting regularly-disposed arms 3 at the upper end, which are adapted to bear against the surface being operated upon. In the center of the upper end of the post or upright is a pin 4, with a pointed end 5 to be used for holding the said post or upright to a center, as will be understood.

A rotatable support 6 is movably mounted on the post or upright 1 and has an inner yoked end 7, to the opposite arms of which are secured curved bearing-plates 8, centrally engaging the said post or upright, and extend-

ing longitudinally through the said support is an opening 9, as clearly shown in Fig. 3. Adjustably extending through the said opening 9 is an operating-rod 10, having an inner slotted end 11, pivotally embracing one end. A half-link 12, which when in use, as will be presently described, embraces the post or upright and moves with the adjustment of the support 6. The said rod 10 is encircled by a coiled spring 13, situated within the opening 9, and said rod also has an outer projecting end with an operating-knob 14 thereon. Extending vertically through the support 6 is an aperture 15, in which is adjustably mounted a supporting-rod 16, which is squared in part and engaged by a set-screw 17, extending inwardly from the outer end of the support to hold said rod in its adjusted position. To the upper end of the said supporting-rod is attached a clamp 18, having a clamping-screw 19 therein to removably hold an arm 20, having a series of angular notches 21 cut in one edge thereof and whose apices aline with an inch or other scale 22, located adjacent to the opposite edge. The notches 21 are adapted to receive and hold a brush, crayon, pencil, or other marking device, and in operation the post or upright is placed against the surface to be marked or painted and held firmly by one hand. The brush, crayon, pencil, or other device carried by the arm 20 is then grasped by the other hand and the support 6 and arm 20 revolved around the post or upright, with the marking end of the said crayon, brush, or pencil resting against the surface being operated upon, and thereby paint or mark a circle thereon.

The series of notches 21 facilitates the formation of circles of varying diameters, and by the arrangement shown in the drawings the device is intended to be used in connection with ceilings, as will be readily understood. The parts can be readily reversed, however, and employed for marking or painting circles upon other surfaces.

The rod 10 and half-link 12 sustain the connection of the support 6 with the post or upright 1; but in the event that it is required to form circles on the ceiling and around a gas fixture or chandelier the said half-link 12 is disconnected from the post or upright by pressing the rod 10 inwardly and attaching

the said half-link to the gas-pipe or chandelier pendant. When the parts are thus arranged, the bearing-plates 8 rest against the gas-pipe or chandelier pendant and the support 6 and arm 20 can be used with equal facility in forming circles, as previously described. To prevent the support 6 from moving downwardly on the post or upright, a shoulder 23 is formed at a suitable point, against which the lower bearing-plate 8 is adapted to rest. Of course, in arranging the device in operative position the pin 4 has its point 5 placed in the center of the work to be done, and in using a brush with paint an accurate circle is formed, no matter how many times the brush has to be taken away to replenish its supply of paint and then replaced in operative position in the arm 20.

The several parts of the device are to be constructed of such material as is best adapted for the purpose to insure lightness and strength, and it is obviously apparent that many minor changes in the details of construction and arrangement of the several parts might be made and substituted for those shown and described without in the least departing from the nature or spirit of the invention.

Having thus described the invention, what is claimed as new is—

1. In a device of the character set forth, the combination of a post or upright, a support rotatably and separably engaging the said post, a spring-actuated rod movably mounted in the support, a half-link pivotally attached to one end of said rod, a pair of curved bearing-plates attached to the support and mov-

ably resting against the post or upright, and a notched arm adjustably carried by said support and having scale-marks thereon coinciding with the notches therein, substantially as described.

2. In a device of the character set forth, the combination of a post or upright having upper arms and a center pin and provided with a shoulder in the body thereof, a support having an inner bifurcated end with curved bearing-plates on the opposite arms adapted to loosely rest against the said post or upright, a spring-actuated rod mounted in said support, a half-link pivoted to the inner end of said spring-actuated rod and adapted to removably embrace the post or upright, a supporting-rod squared in part and adjustably mounted in the outer portion of the said support, and a notched arm removably carried by the latter rod and having scale-marks coinciding with the notches thereof, substantially as and for the purposes specified.

3. In a device of the character set forth, the combination of a support, a spring-actuated rod movably mounted therein, a half-link pivotally attached to one end of said rod, and an arm adjustably carried by said support for holding a brush or analogous device, substantially as and for the purposes specified.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

FRANK C. WILDMAN.
SABIN E. ALLEN.

Witnesses:

FREDERIC C. WHITEHEAD,
BENJN. W. WENTWORTH.