A. L. CONDRAY.

SHINGLE PAINTING DEVICE.

APPLICATION FILED AUG. 15, 1908.

911,381.

Patented Feb. 2, 1909.

Fig. 1.

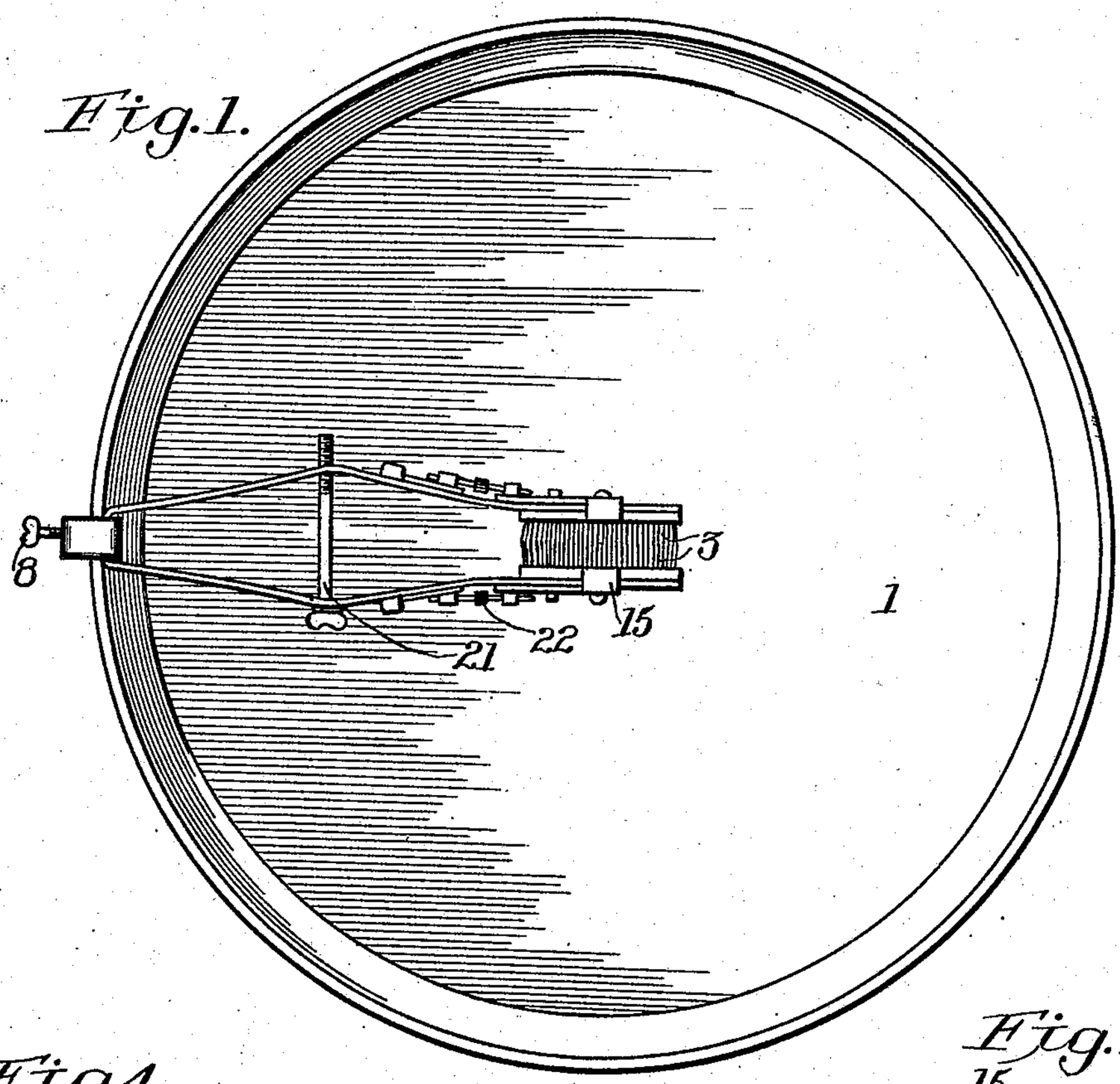


Fig. 4.

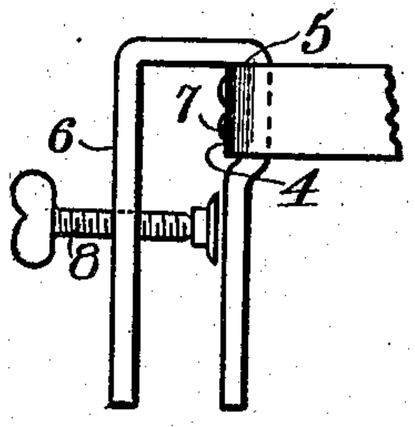


Fig. 2.

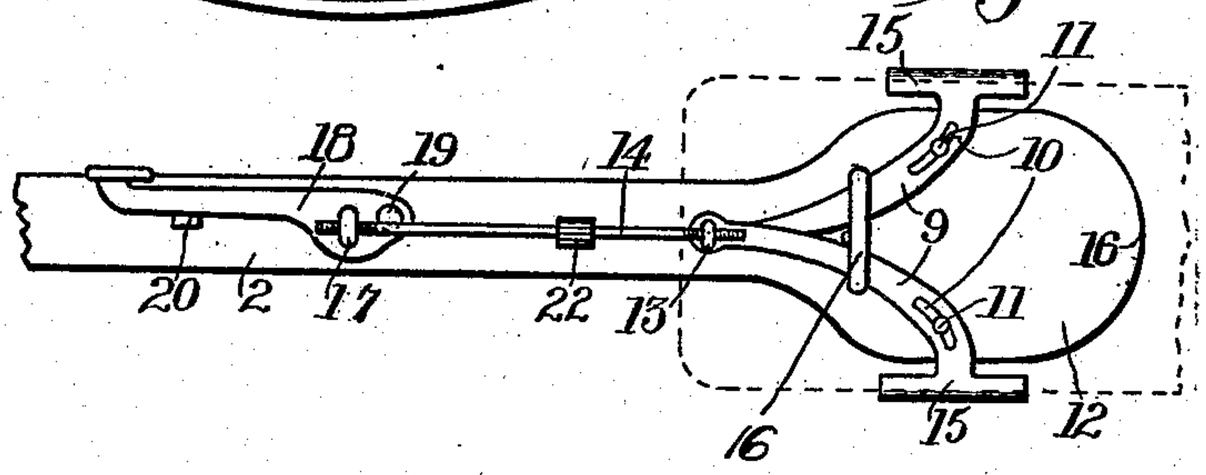


Fig. 3.

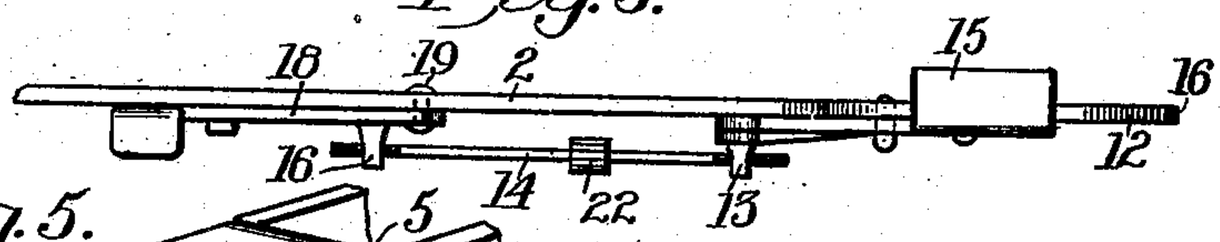
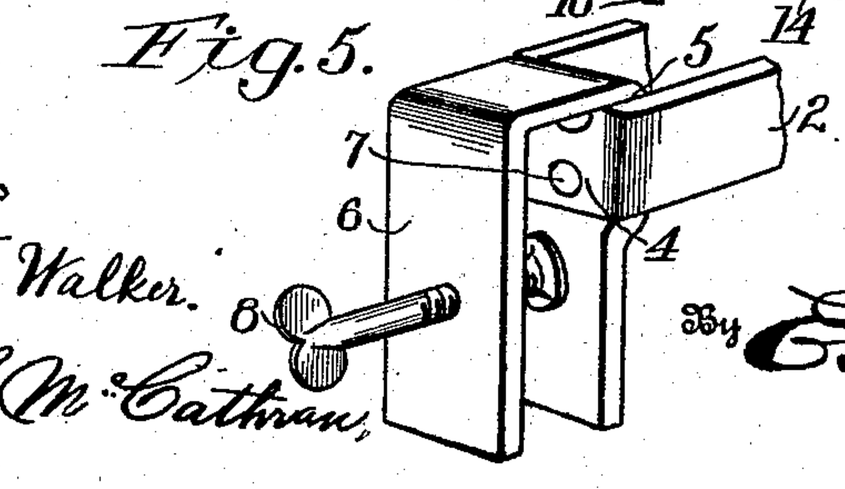


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE

ANDREW L. CONDRAY, OF PINE BLUFF, ARKANSAS.

SHINGLE-PAINTING DEVICE.

No. 911,381. Specification of Letters Patent. Patented Feb. 2, 1909.

Application filed August 15, 1908. Serial No. 448,653.

To all whom it may concern:

Be it known that I, ANDREW L. CONDRAY, a citizen of the United States, residing at Pine Bluff, in the county of Jefferson and State of Arkansas, have invented certain new and useful Improvements in Shingle-Painting Devices, of which the following is a specification, reference being had therein to the accompanying drawing

My invention relates to a device for painting or staining shingles or other flat articles, and has for its object to provide means whereby a shingle or the like may be conveniently and expeditiously treated without any waste of the coloring matter, and at the same time greatly facilitating the application of the paint or stain to articles of this character by insuring an even coat or finish.

To the accomplishment of the recited object and others coördinate therewith, the preferred embodiment of my invention resides in that construction and arrangement of parts hereinafter described, illustrated in the accompanying drawings and embraced within the scope of the appended claims.

In said drawings:—Figure I is a plan view of a paint containing receptacle showing the application of my invention. Fig. II is a top plan view of a portion of one of the spring brush holding arms, and Fig. III is a side elevation thereof. Fig. IV is an elevation of the clamp and appurtenances, and Fig. V is a perspective view thereof.

Similar numerals of reference indicate corresponding parts throughout the several views.

In carrying out my invention any receptacle capable of holding the coloring compound in bulk, as for instance, the tub (1) is employed conjunctively with the paint or stain applying mechanism. This device consists primarily of a piece of spring metal (2) flexed in substantially rhombic form carrying the oppositely disposed brushes (3) and being truncated, as at 4, so as to interfit the upper and inner struck-out portion (5) of the U shaped clamp (6), and secured thereto by any suitable fastening means, such for example as the rivets (7), the said clamp being provided on its outer side with a thumb screw (8) for engagement with the side of the receptacle (1). The brushes (3) are retained in their proper relative positions by means of the toggle links (9), which are furnished with arcuate shaped slots (10) for engagement with the pins or lugs (11), carried by the enlarged flat distal ends (12) of the spring metal piece (2), the said toggle links having their inner extremital portions superposed and detachably connected, as at 13, to one end of the turn-buckle (14), the outer extremital portions being enlarged as at 15 for clamping engagement with the head portion of the brushes (3). To insure guidance of the toggle links (9) I have arranged a T shaped member (16) at the base of the enlarged portion (12) of the spring metal piece (1) and medially of said links. The other end of the turn-buckle (14) is detachably secured, as at 17, to the oscillatory lever (18), which is pivotally mounted at 19 to the outer side of the proximal ends of the spring metal piece (1), and is limited in its movement inwardly by the stop or abutment (20), preferably formed as an integral part of said piece (1). For exerting the necessary tension or pressure of the brushes I have arranged centrally and vertically of the spring metal piece (1) an adjustable screw (21).

In operation, the brushes having been properly adjusted, the shingles or other objects to be stained or painted are dipped into the coloring material contained in the receptacle (1), and then forced down and withdrawn upward between the working surfaces of the brushes. When the shingles are subjected to this treatment, the coloring material retained in the brushes is almost entirely forced out, rendering the brushes comparatively clean and enabling them, when the shingles are colored sufficiently, to effectually remove all of the surplus coloring material from both faces. Especially is this so if the brushes comprise stiff bristles. If, for any reason, it should be found expedient to detach the brushes from the clamps (15), it will only be necessary to oscillate the lever (18), and through the medium of the intermediate connections hereinbefore described release the pressure of or disengage said clamping means from the heads of the brushes. Then again, if it is desired to increase or decrease the tension exerted on the brushes by the spring metal piece (2), this operation can be readily attained by the appropriate manipulation of the thumb screw (21). Obviously, the toggle links may be adjusted to hold brushes of varying sizes by operating the nut (22) of the turn-buckle.

It should be understood that in its broader aspect my invention comprehends the employment not only of the various means de-

scribed, but of equivalent means for performing the recited functions. While the arrangement shown is thought, at the present time, to be preferable, it is desired to reserve the right to effect such modifications and variations thereof as may come fairly within the scope of the appended claims.

Having thus described my invention, what is claimed, is:—

1. In a device of the class described, a pair of spring arms having adjustable clamping means, brushes adapted to be secured by said clamps, attaching means carried by said arms, and means for adjusting the tension of said arms.

2. In a device of the class described, a pair of spring arms, attaching means therefor, toggle links having clamping heads, a pair of brushes, means adapted to actuate said toggle links so that the latter will secure or release the brushes, and means for adjusting the tension of said arms.

3. In a device of the class described, a pair of spring arms, attaching means therefor, said arms having enlarged terminal portions, toggle links slidably mounted on said enlarged portions and having clamping heads, a turn-buckle connected to the other extremital portion of said links, an oscillatory lever connected to said turn-buckle, a pair of brushes, said lever when operated adapted to either secure or release said brushes which are adapted to be engaged by said clamps, and means for adjusting the tension of said arms.

4. In a device of the class described, a pair of integrally formed spring arms carrying a pair of brushes, and having a truncated portion, and attaching means adapted to engage said truncated portion.

5. In a device of the class described, a pair of integrally formed spring arms carrying a pair of brushes, and having a truncated portion, and an attaching screw clamp having a struck-out portion which is adapted to interfit said truncated portion.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

ANDREW L. CONDRAY.

Witnesses:

H. A. McCoy,

Hubert B. Strange.