No. 842,858. PATENTED FEB. 5, 1907.

W. N. CAVILEER.

PAINT LINE AND AWL HOLDER.

APPLICATION FILED NOV. 12, 1906.

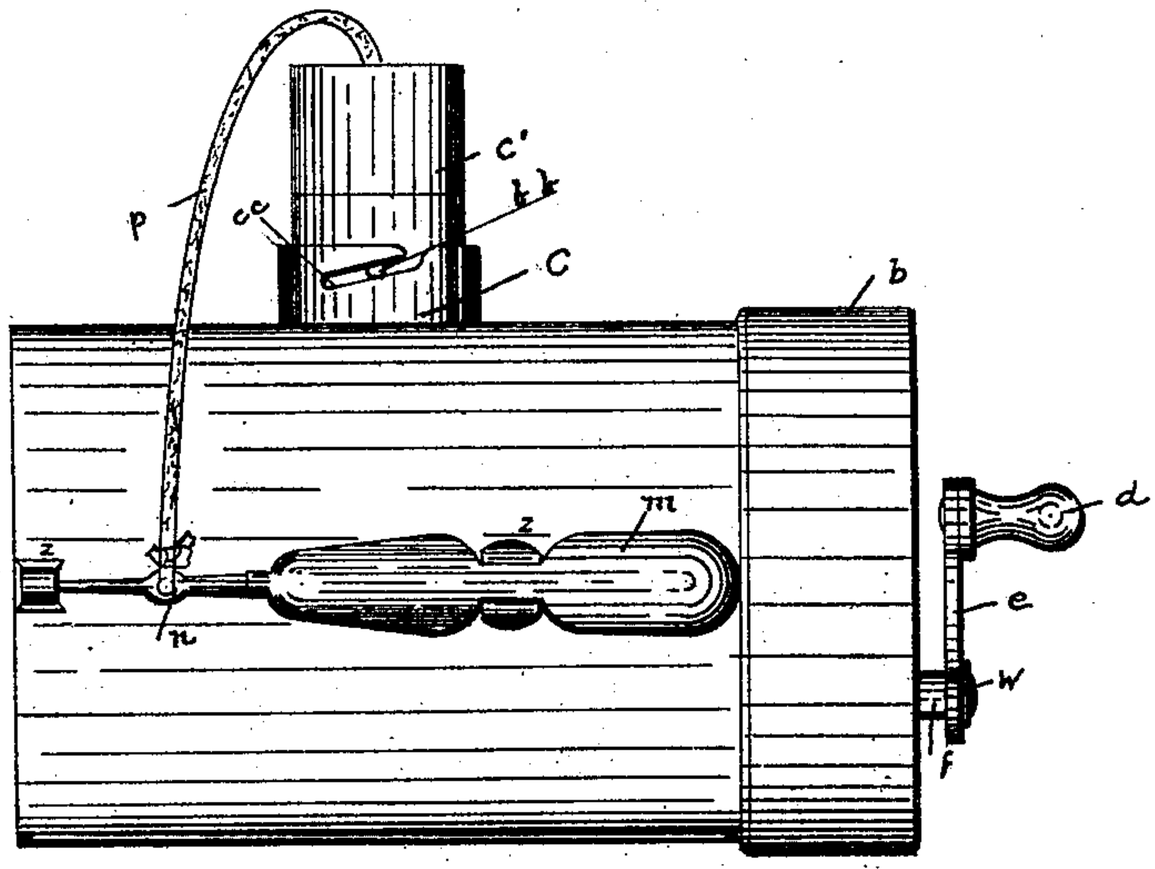

Fig 1.

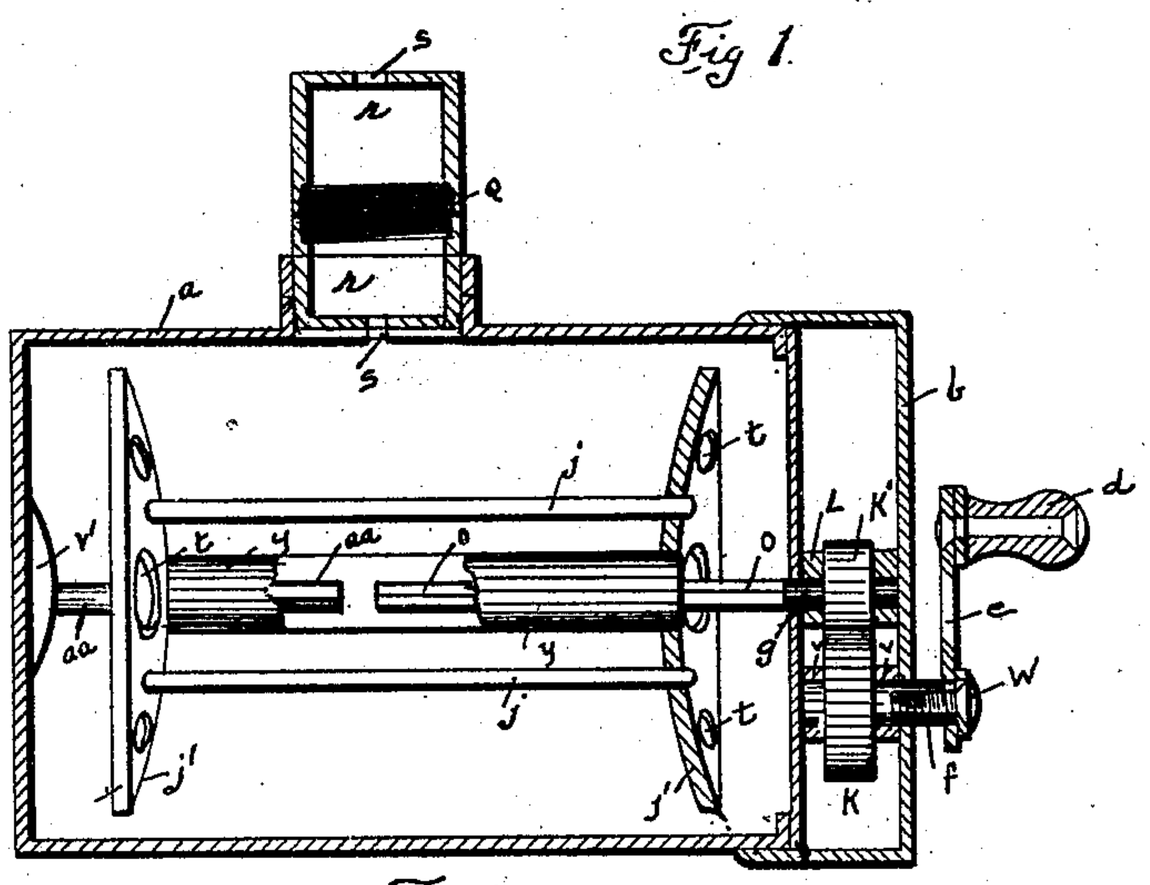

Fig 2.

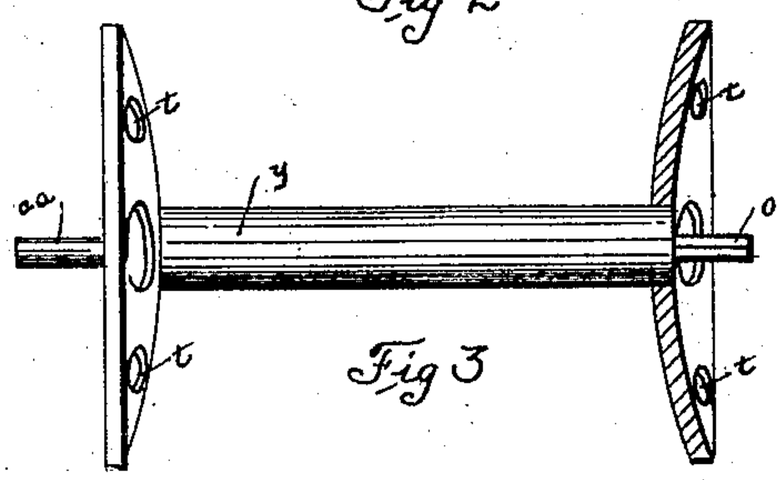

Fig 3.

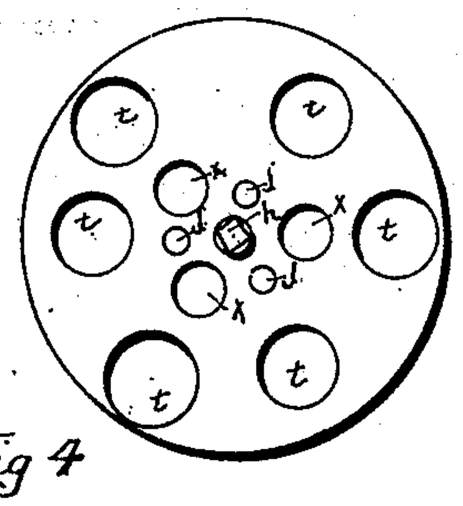

Fig 4.

Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM N. CAVILEER, OF SPOKANE, WASHINGTON.

PAINT-LINE AND AWL HOLDER.

No. 842,858. Specification of Letters Patent. Patented Feb. 5, 1907.

Application filed November 12, 1906. Serial No. 343,167.

To all whom it may concern:

Be it known that I, WILLIAM N. CAVILEER, a citizen of the United States, residing at Spokane, county of Spokane, State of Washington, have invented a new and useful Paint-Line Holder, of which the following is a specification.

The purpose of this invention is to provide a simple, durable, and economical device that may be easily converted to the needs of the different mechanics who use the line to work by, and permanent lines for decorating. I attain these objects by the mechanism illustrated in the accompanying drawings.

Figure 1 is a side view of the assembled machine. Fig. 2 is a section through the machine. Fig. 3 is a side view of the reel. Fig. 4 is an end view of the reel.

Referring to the accompanying drawings, in which similar letters of reference refer to similar parts throughout the figures, letter *a* represents a cylindrical casing for containing powder or liquid color.

b is a cap for casing *a*.

c' is a box-like attachment with lugs on side, and *c* is a shoulder for same with slots on either side for lugs on box-like attachment to slip into.

r is a piece of sponge or spongy composition (see Fig. 2) having a hole through it to allow for the passage of the paint-line and to grip the same when box is screwed up tight, thus allowing a very small quantity of powder or liquid color to remain on line, and when unscrewed allowing a greater amount of powder or liquid color to remain on line as it passes through openings *s* and *s*. The casing-cap *b* contains a set of gears or pinions K and K, (see Fig. 2,) fastened, respectively, to shafts *g* and *f*.

v represents journals for K and K.

o is shaft *g* extended and squared to fit the squared hole *h* (see Fig. 4) in end of hollow shaft of reel *y*.

a a is a round shaft fastened to end of *a* on the inside of casing by means of a bed of metal *v'*, (see Fig. 2,) which forms a bearing for the hollow shaft *y*, permitting the same to revolve and slide back and forth at the same time.

e is a crank for revolving the reel, and *d* the handle for same.

w is a screw that fastens *e* to shaft *f*, in which *f* is squared at the joining of *e* and *e* is machined to fit the squared shaft *f*. The reel (see Fig. 3) is composed of two concave disks connected by a hollow shaft *y* with a square hole in one end (*h*, Fig. 4) and a round hole in the other end and the several rods *j* and *j*, (see Fig. 2,) forming a triangle, (see Fig. 4,) the ends of said rods being denoted as *j j* and *j* in end of disk. Letters *t* and *x* are open holes in end of disks to allow the powder or liquid color to circulate freely in the casing.

In carrying out my invention *a* is a cylindrical box containing a reel rotatably and reciprocally mounted inside. The reel is built as openly as possible, so that when holder is filled with dry powder, similar to calcimo or alabastine, and the line is pulled through the sponge *r* in the receptacle *c* the line will carry an abundance of color to the sponge. The sponge will wipe surplus color from the line, thereby assuring the operator of a perfect line to work by when same is properly held and snapped, and if a permanent line is desired by submerging the sponge in water for a short time, and then regulating by screwing together or unscrewing the two sections of box *c'* at Q he can get a perfect line, which when dry cannot easily be removed. If the operator desires bronze lines, he fills holder with dry bronze powder, puts in a new dry piece of sponge, pulls line through it dry once, so that it will carry bronze to the sponge, then reels line up, pours some bronzing liquid onto sponge, regulates it, and when he pulls line through sponge by properly holding and snapping same he can produce a perfect line, and so on with the various combinations of liquid and color. The three-cornered reel will keep the line from unwinding too freely. The reciprocating reel will keep the line from jamming and when holder is shaken will thoroughly mix dry or liquid color. The sponge will not chafe line like metal or rubber. The openings *s s* are to be so constructed as to not interfere with the line, but rather to let all of the friction come on the sponge.

Having thus fully described my invention, I claim and desire to secure by Letters Patent—

In a paint-line holder, a cylindrical box, having an opening in one side thereof, a cylindrical casing-cover detachably connected at one end of said box, a round shaft fixed to

the opposite end of said box, a reel rotatably and reciprocally mounted on said fixed shaft, a gear-actuated shaft mounted in the cylindrical cover-casing, said shaft having an end of non-circular cross-section slidingly engaging a correspondingly-shaped aperture in the hub of said reel and means for turning said gears.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM N. CAVILEER.

Witnesses:
GRANT J. BOWMAN,
B. M. BRUNFORD.