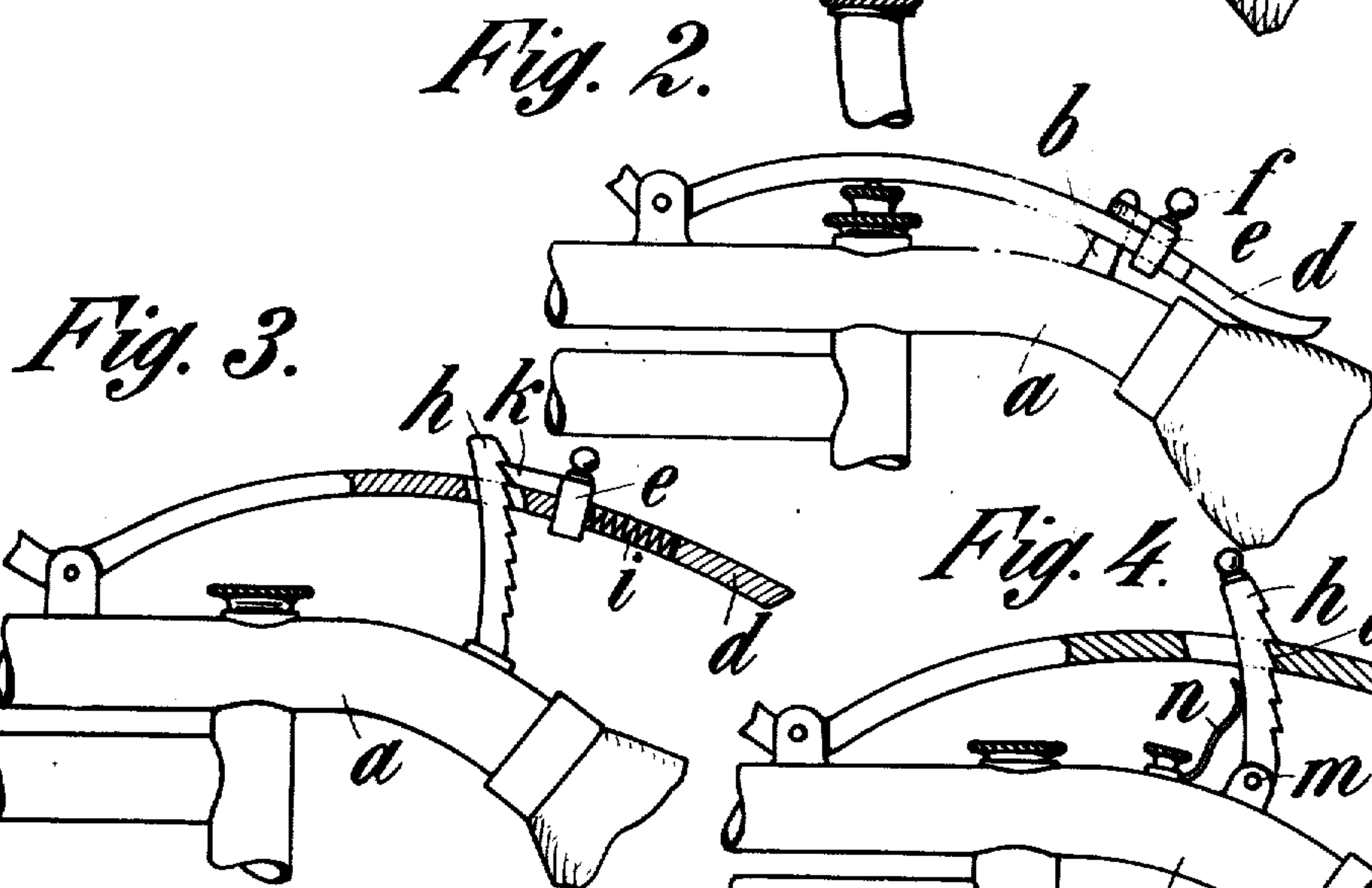
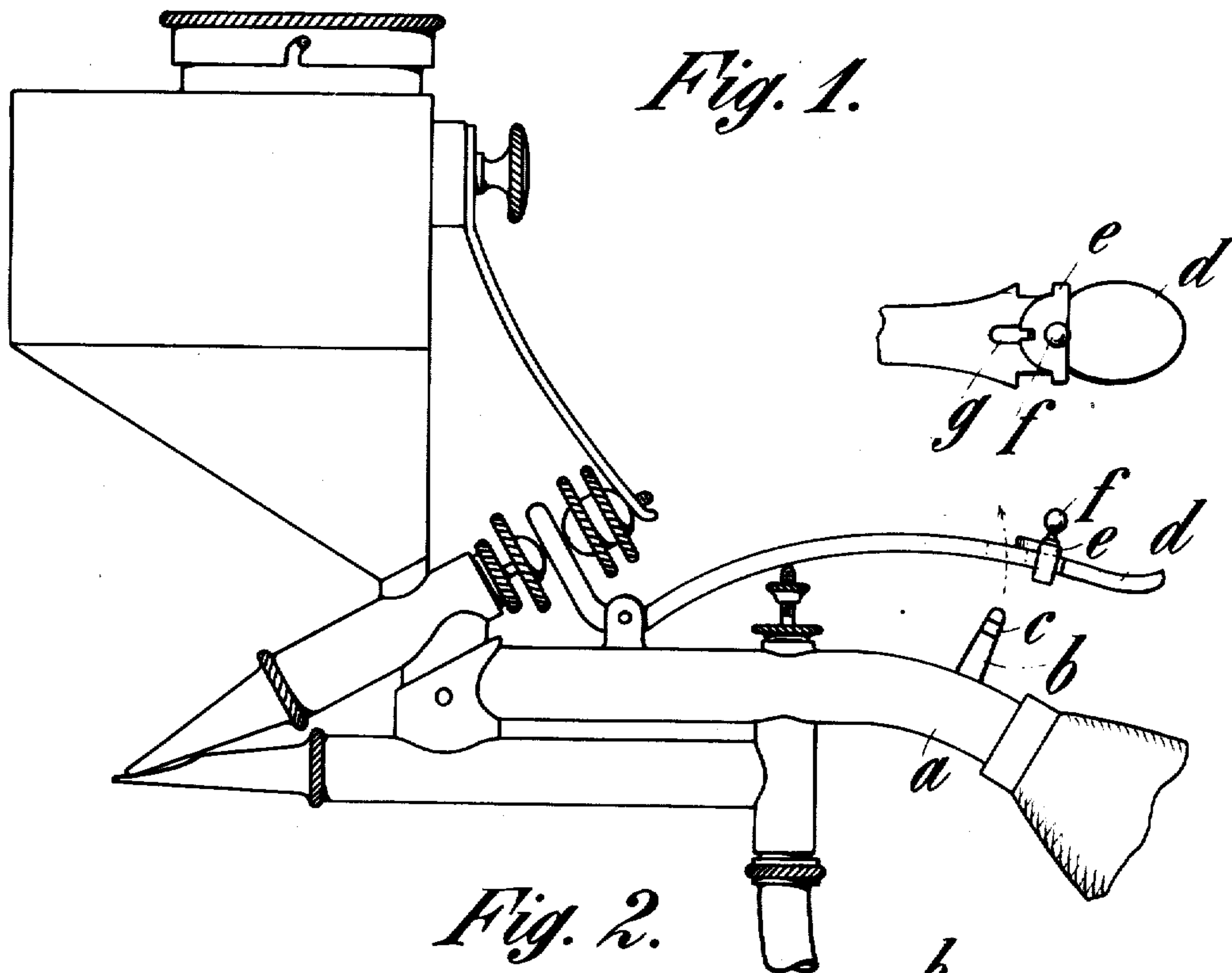


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 PAINT OR COLOR DISPERSER WITH LOCKING DEVICE FOR THE VALVE OPERATING LEVER.
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Witnesses:

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UNITED STATES PATENT OFFICE.

HANS MIKOREY, OF SCHÖNEBERG, NEAR BERLIN, AND CLEMENS WAGENER, OF NEURUPPIN, GERMANY, ASSIGNORS TO THE FIRM OF MINIMAX CONSOLIDATED LIMITED, OF LONDON, ENGLAND.

PAINT OR COLOR DISPERSER WITH LOCKING DEVICE FOR THE VALVE-OPERATING LEVER.

No. 928,682.

Specification of Letters Patent.

Patented July 20, 1909.

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To all whom it may concern:

Be it known that we, HANS MIKOREY, a civil engineer and a subject of the German Emperor, and a resident of 13 Wartburgstrasse, in the city of Schöneberg, near Berlin, in the Kingdom of Prussia and German Empire, and CLEMENS WAGENER, a civil engineer and a subject of the German Emperor, and a resident of 9 Kneesebeckstrasse, in the city of Neuruppin, Province of Brandenburg, Kingdom of Prussia and German Empire, have invented jointly a certain new and useful Paint or Color Disperser with Locking Device for the Valve-Operating Lever, of which the following is a specification.

The subject matter of this invention has reference to a paint or color disperser or sprayer the valve operating lever of which can be temporarily locked in position during work. In the paint or color sprayers heretofore known, it was necessary to keep the valve lever continuously depressed as long as the operation was carried on, which results in the valve lever depressing finger of the operator being liable to become tired. The necessity of providing means for locking the valve lever temporarily in position, is particularly felt in the manufacture of fancy paper goods, inasmuch as in this branch of manufacture the operators keep the disperser or sprayer continuously working in order to be able to get through with their work more quickly.

In accordance with this invention the color or paint sprayer or disperser is provided with a locking device by means of which the valve lever is retained in a certain position, in order to allow of carrying the work on continuously, without causing the valve lever operating finger to become tired.

In the accompanying drawings, Figure 1 is an elevation of a paint or color sprayer embodying one form of our invention. Fig. 2 shows the essential parts of Fig. 1 in the locking position, and Figs. 3 and 4 show in elevation two modified forms of the locking device.

Upon the supporting pipe *a* a stud or lug *b* is mounted in the forms of construction shown in Figs. 1 and 2, the said lug being provided with notches *c*. On the valve operating lever *d* a slide *e* is mounted provided

with a forked part and with a button *f* in order to facilitate operation by the thumb of the operator's hand. The valve lever is moreover provided with a recess *g* through which the lug *b* can pass upon the depressing of the valve lever *d*. When it is desired to retain the valve lever in the depressed position, the slide *e* is moved along the valve lever *d* in such a manner, that the forked part of the slide engages with the notches *c* of the lug *b*, as illustrated in Fig. 2 of the drawing.

Figs. 3 and 4 are representations of two other forms of construction, in which instead of the lug *b* on the supporting pipe *a* a toothed segment *h* is employed. In the form of construction according to Fig. 3, this toothed segment is made stationary, and, the same as in the forms of construction in accordance with Figs. 1 and 2 a slide *e* which may be influenced by the spring *i*, is mounted upon the valve lever *d*. This slide is however not provided with a forked part, but with a dog *k* engaging with the indentations of the segment *h*. By means of this arrangement the valve lever can not only be locked in its terminal position, after the depression has been effected, but in any suitable intermediate position, commencing with the position which corresponds to the closing of the valves.

In the form of construction illustrated in Fig. 4, the slide *e* is entirely dispensed with. The toothed segment is made rotatable on the pivoting point *m* and is kept in engagement by means of a spring *n* with a tooth *o*, made integral with the valve lever *d*. The segment *h* may also be arranged if desired, so as to be swung aside, so as to be out of engagement with the valve lever *d* for any length of time desired.

The illustrations of different forms of construction are by no means to be regarded as exhaustive illustrations of the means of locking the valve lever in position. Thus, a T-shaped slide may be mounted upon the supporting pipe *a* the end part of which engages with a slot of the valve lever. The cross bar of the slide on the supporting pipe *a*, after being passed through the slot of the valve lever and after the withdrawal of the entire slide, locks the valve lever in the depressed position. The part *h* of the locking means.

employed in connection with the forms of construction of Figs. 3 and 4, may also be made, so as to present the shape of a straight rack bar. In place of the locking device, a suitable clamping device may also be employed.

What we claim and desire to secure by Letters Patent of the United States, is:—

1. The combination, in a paint or color sprayer, of a valve lever controlling a pressure fluid delivering valve and a paint delivering valve simultaneously, with means for locking said valve lever in a depressed position, substantially as set forth.

2. In a paint or color sprayer, the combination of a valve lever provided with a slot and controlling a pressure fluid delivering valve and a paint delivering valve simultaneously, with a lug having a head and being arranged on the frame of the paint or color sprayer in order to pass through the slot of the valve lever, and a slide movably mounted on said valve lever and having a forked part being able to engage the head of said lug upon the depressing of the valve lever, substantially as described.

3. In a paint or color sprayer the combination of a valve lever controlling a pressure fluid delivering valve and a paint delivering valve simultaneously, with a rack bar arranged on the frame of the paint or color sprayer, and a slide, movably mounted on said valve lever and provided with a dog engaging the indentations of the rack bar in order to lock the valve lever in any position, substantially as described.

4. In a paint or color sprayer the combination of a valve lever controlling a pressure fluid delivering valve and a paint delivering valve simultaneously, with a dog arranged on said valve lever, and a spring influenced rack bar rotatably mounted in the frame of the paint or color sprayer, and engaged by the said dog on the valve lever, substantially as set forth.

In testimony whereof we affix our signatures.

HANS MIKOREY.
CLEMENS WAGENER.

In the presence of—

HENRY HASPER,
WOLDEMAR HAUPT.