

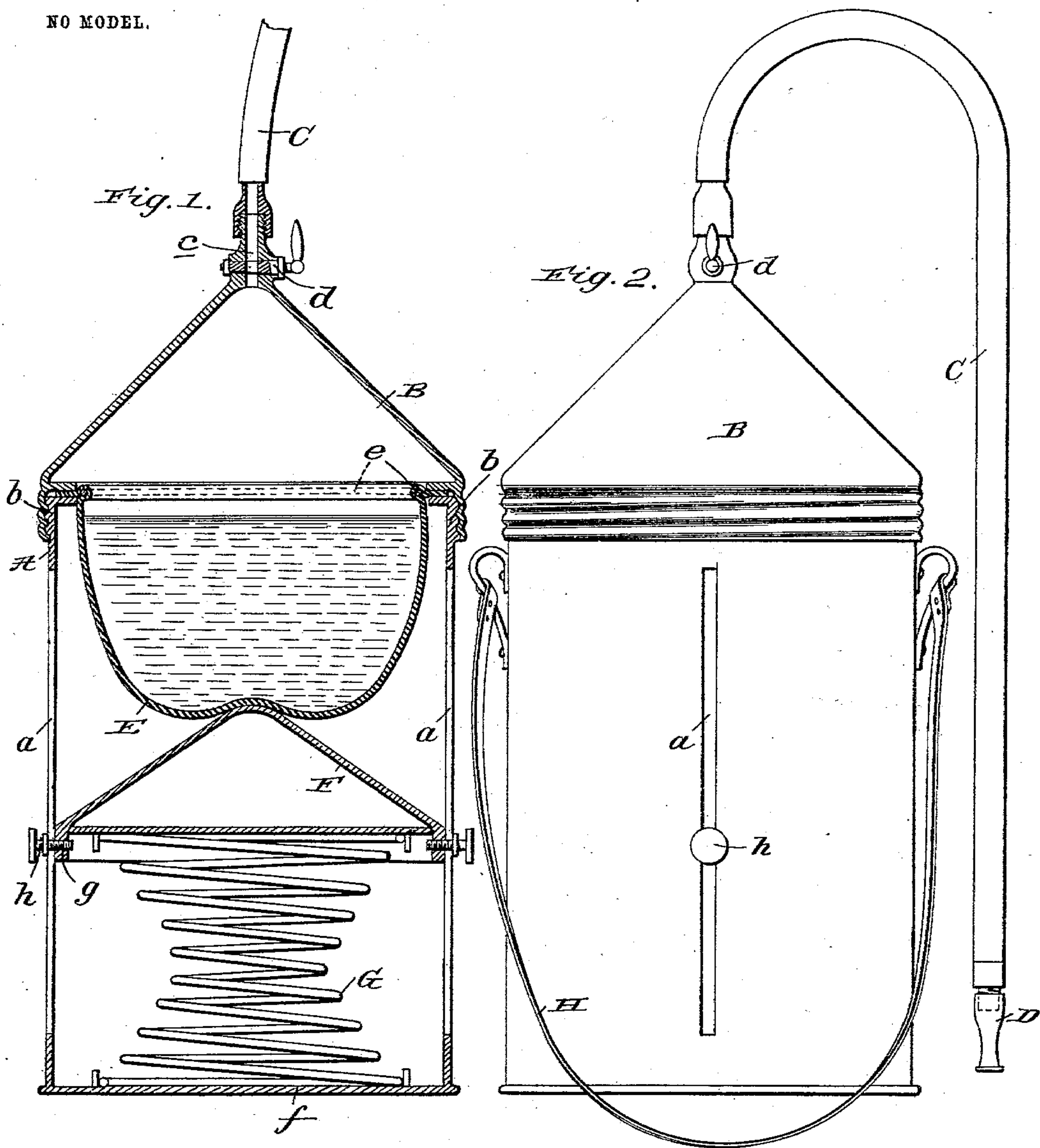
No. 720,902.

PATENTED FEB. 17, 1903.

H. DU BRAU.
APPARATUS FOR MAKING RELIEF WORK.

APPLICATION FILED NOV. 6, 1902.

NO MODEL.



Witnesses
Chas. Haeder
W. E. Stealy

Inventor
Herman DuBrau
By *Wm. J. Shick* Attorney

UNITED STATES PATENT OFFICE.

HERMAN DU BRAU, OF BALTIMORE, MARYLAND.

APPARATUS FOR MAKING RELIEF-WORK.

SPECIFICATION forming part of Letters Patent No. 720,902, dated February 17, 1903.

Application filed November 5, 1902. Serial No. 130,129. (No model.)

To all whom it may concern:

Be it known that I, HERMAN DU BRAU, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented new and useful Improvements in Apparatus for Making Relief-Work, of which the following is a specification.

My invention relates to improvements in apparatus for making relief-work of plastic material; and it has for its general object to provide such an apparatus calculated to enable a workman to expeditiously produce stucco or relief work on walls, ceilings, and other surfaces with but a minimum amount of effort.

With the foregoing in mind the invention will be fully understood from the following description and claims, when taken in conjunction with the accompanying drawings, in which—

Figure 1 is a vertical diametrical section of the apparatus constituting the preferred embodiment of my invention, with a portion of the discharge-hose broken away; and Fig. 2 an elevation of the apparatus.

Similar letters of reference designate corresponding parts in both views of the drawings, referring to which—

A is the main frame of the apparatus, which is preferably of sheet metal and cylindrical in form. The said frame is provided with one or more, preferably two, vertical slots or guideways *a* and is exteriorly threaded at its upper end, as indicated by *b*.

B is a cover, preferably of sheet metal and cone-shaped, screwed on and removable from the frame A and having a discharge-passage *c*, controlled by a valve *d*.

C is a discharge-conduit, preferably a hose, which forms a continuation of the passage *c*, and D is a nozzle or tool detachably connected to the outer end of the discharge conduit or hose. The nozzle or tool is made removable in order that different nozzles or tools may be used on the hose to produce the various details of different designs of stucco or relief work.

E is a bag of rubber or other suitable material, which is preferably provided adjacent to its edge with a metallic band *e* and is designed to be removably secured between the frame A and cover B, as shown in Fig. 1.

F is a follower disposed below the bag and within the frame, and G is a coiled spring interposed between the base *f* of the frame and the follower. The follower F is preferably of sheet metal and cone-shaped, as illustrated, and is provided at diametrically opposite points with threaded apertures *g* to receive screws *h*. These screws extend through the slots or guideways *a* in the frame A and are designed to be set against said frame, so as to hold the follower against upward movement incident to the placing of the filled bag in the frame.

In the practical use of the apparatus the bag E is filled with a suitable plastic material and is placed in the frame A, while the follower F is secured against upward movement. The cover B is then screwed on the frame to secure the bag in position, and its valve *d* is closed, after which the screws *h* are turned outwardly to release the follower and permit it to move under the action of spring G. With this done the workman places the strap H on frame A over his shoulder and with one hand holds the nozzle D in the proper position with respect to the surface on which the stucco-work is to be produced, while with his other hand he opens the valve *d*. When the valve is opened, the follower acts against the bag E and presses the plastic material out through the hose C and nozzle D and against the surface to be decorated, and the workman has then but to guide the nozzle or tool in order to produce the design desired. When it is desired to cut off the discharge of plastic material at intervals in the production of a design, the same may be readily accomplished by closing the valve *d*.

I have entered into a detailed description of the construction and relative arrangement of the parts embraced in the present and preferred embodiment of my invention in order to impart a full, clear, and exact understanding of the same. I do not desire, however, to be understood as confining myself to such specific construction and arrangement of parts, as such changes or modifications may be made in practice as fairly fall within the scope of my invention as claimed.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In an apparatus for making relief-work of plastic material, the combination of a frame, a bag arranged therein and adapted to contain plastic material, and a spring-backed follower arranged to press against the bag and thereby force the plastic material from the same.
2. In an apparatus for making relief-work of plastic material, the combination of a main frame, a cover arranged thereon and having a discharge-passage, a bag held between the frame and the cover, and adapted to contain plastic material, and a spring-backed follower arranged to press against said bag.
3. In an apparatus for making relief-work of plastic material, the combination of a main frame having a slot α , a cover removably secured on said frame and having a valved discharge-passage, a hose forming a continuation of said passage, and having a tool or nozzle at its outer end, a bag disposed in the frame and adapted to contain plastic material, a spring-backed follower arranged in the frame so as to act against the bag and force plastic material through the discharge-passage and hose, and a set-screw extending through the slot α in the frame and into a threaded aperture in the follower, and adapted to engage the frame.

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

HERMAN DU BRAU.

Witnesses:

JOHN R. HOOPER,
JOHN C. BAUER.