

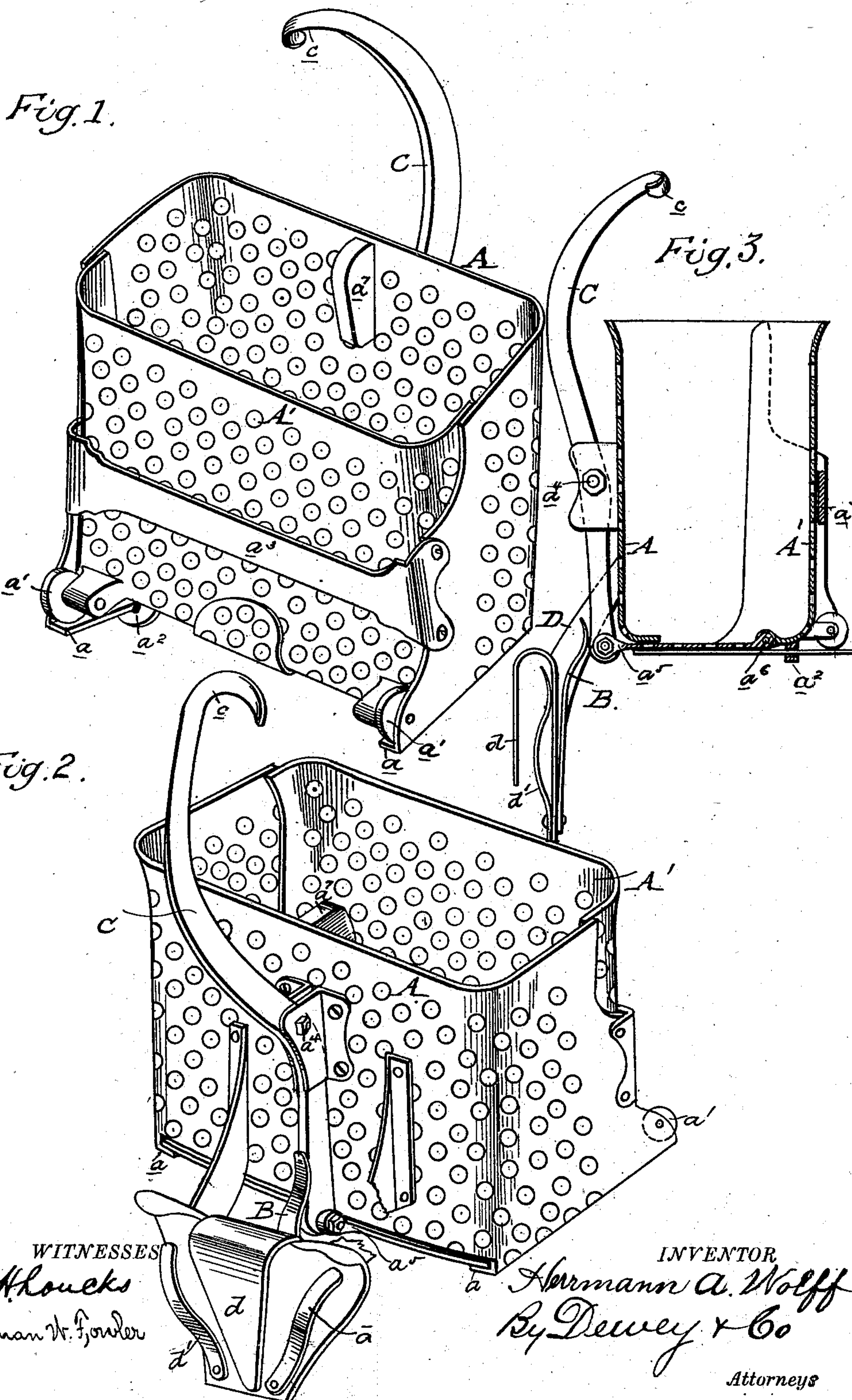
(No Model.)

2 Sheets—Sheet 1.

H. A. WOLFF
MOP WRINGER.

No. 559,093.

Patented Apr. 28, 1896.



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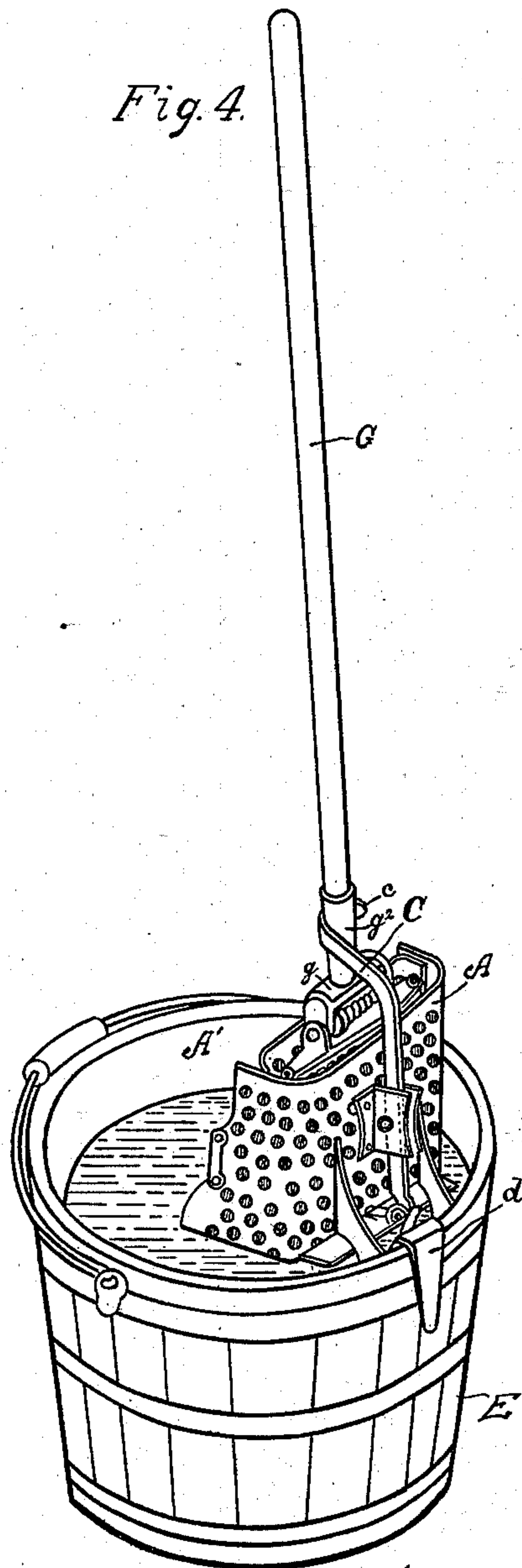
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Witnesses,
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Inventor,
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UNITED STATES PATENT OFFICE.

HERRMANN AUGUST WOLFF, OF SACRAMENTO, CALIFORNIA.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 559,093, dated April 28, 1896.

Application filed March 13, 1896. Serial No. 583,041. (No model.)

To all whom it may concern:

Be it known that I, HERRMANN AUGUST WOLFF, a citizen of the United States, residing at Sacramento, county of Sacramento, State of California, have invented an Improvement in Mop-Wringers; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to the class of mop-wringers; and it consists in the novel construction and arrangement of the wringer adapted to receive the mop and to be operated by the engagement of the mop-handle, as I shall hereinafter fully describe.

The object of my invention is to provide a wringing device adapted to be attached to the bucket and to receive the mop, and by the engagement therewith of the mop-handle to be caused to squeeze said mop and relieve it of its excess of moisture.

Referring to the accompanying drawings, Figure 1 is a perspective view of the front of the mop-wringer. Fig. 2 is a perspective view of the back of the same. Fig. 3 is a vertical transverse section of the same. Fig. 4 is a view showing the operation of the wringer in connection with an inserted mop.

The mop-wringer is formed of a perforated or foraminous vessel composed of telescopic sections A and A', said vessel being adapted to receive the mop. The section A' may slide into the section A in any suitable manner, and I have here shown it in its best form as having small antifriction-wheels a' traveling on flanges or tracks a of the section A and having also guide-lugs a^2 embracing said tracks.

A spring B, Figs. 2 and 3, operates to hold the sliding section A' to its opening limit to give full capacity to the wringing vessel, said limit being defined by a cross-bar a^3 of the main section A, Fig. 1.

A curved lever C is pivoted at a^4 to a bracket on the back of the main section A and has its lower end pivoted to a link a^5 , the other end of which is pivotally connected at a^6 to the sliding section A' of the wringer, Fig. 3.

The spring B, heretofore mentioned, operates against the back of the lower end of the lever C, and said spring is secured to the

holding-bracket D, which is secured to or formed with the back of the section A, said bracket having a clamp consisting of the spring-tongues d and d' which pass down on each side of and fit the wall of the bucket or pail E which carries the wringing device, and is shown in Fig. 4.

The upper end of the lever C is curved into a partial hook at c .

The wringer device is attached to the bucket, as heretofore stated and as shown in Fig. 4, and when the mop F is saturated it is fitted down within the wringing vessel, and the handle G of said mop is caused to engage with the hook c of the lever C from the back. Now holding well down upon said handle it is thrown forward over the bucket, and by this movement it pulls the lever C over, whereby its lower end retracting causes the sliding section A' of the wringer vessel to slide into the main section, thereby contracting its capacity and squeezes the mop between the two sections, relieving it of its excessive moisture and permitting the water wrung from it to pass out of the perforated casing down into the bucket. As soon as the mop is removed from the wringer the sliding section springs back again to its open limit and the wringer is ready to receive the mop a second time.

Within the mop-wringer, at the center of the back of the main section, is a bearing lug or flange a^7 , which serves to hold the mop well forward against the sliding section and tends to more thoroughly equalize the pressure upon both sides of the mop.

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

1. A mop-wringer consisting of a perforated or foraminous vessel composed of telescopic sections whereby the capacity of the vessel may be increased to receive the mop and decreased to compress it, and means actuated by the handle of the mop for causing one of said sections to slide within the other.

2. A mop-wringer consisting of a vessel composed of perforated or foraminous sections adapted to slide one within the other, whereby the capacity of the vessel may be increased to receive the mop and decreased to compress it, and means for causing one of

said sections to slide within the other consisting of a lever pivoted to one of said sections and connected with the other.

3. A mop-wringer consisting of a vessel
5 composed of perforated or foraminous sections adapted to slide one within the other, whereby the capacity of the vessel may be increased to receive the mop, and decreased to compress it, and means for causing one of
10 said sections to slide within the other, consisting of a lever pivoted to one of said sections and connected with the other, and having means on its top for engaging the mop-handle.

15 4. A mop-wringer consisting of a vessel composed of perforated or foraminous sections adapted to slide horizontally one within the other, a lever fulcrumed to one of said sections and connected at one end with the
20 other section, said lever having a hook-shaped outer end and a spring for separating the sections after they have been closed by the action of the lever.

25 5. A mop-wringer consisting of a foraminous or perforated vessel, composed of telescopic sections, one of said sections having antifriction-wheels running on tracks or flanges of the other, and a lever connected with one of said sections and pivoted to the

other whereby the vessel is contracted and 30 expanded.

6. A mop-wringer consisting of a foraminous or perforated vessel, composed of a main section and a sliding section, a lever pivoted to the main section and connected 35 with the sliding section, said lever having a hook at its top for engaging the handle of the mop, whereby the vessel is contracted, a spring for expanding the vessel again, and a suitable clamp connected with the vessel for 40 fitting it to the pail or bucket.

7. A mop-wringer consisting of a perforated or foraminous vessel composed of telescopic sections fitted together, one of said sections having on its inside a bearing-lug to fit 45 against the back of the mop, a lever pivoted to one of the sections and connected with the other, said lever having a hook at its top for engaging the handle of the mop whereby the vessel may be contracted, a spring for ex- 50 panding the vessel again, and a suitable clamp for fitting it to the bucket or pail.

In witness whereof I have hereunto set my hand.

HERRMANN AUGUST WOLFF.

Witnesses:

F. H. VEACH,
PARRISH ROOT.