

(No Model.)

2 Sheets—Sheet 1.

H. L. BEACH.
WELL CURB.

No. 387,759.

Patented Aug. 14, 1888.

Fig. 1.

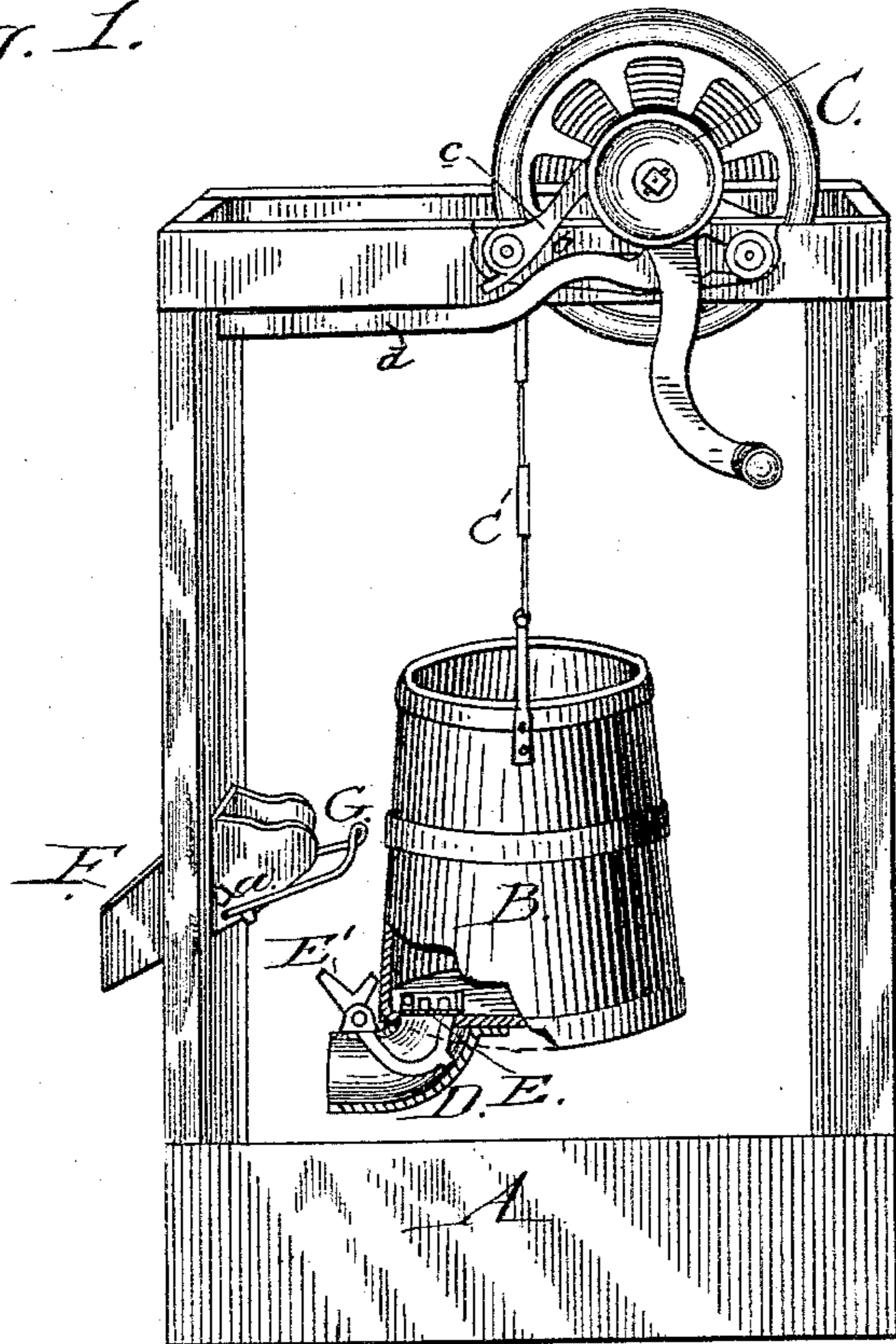
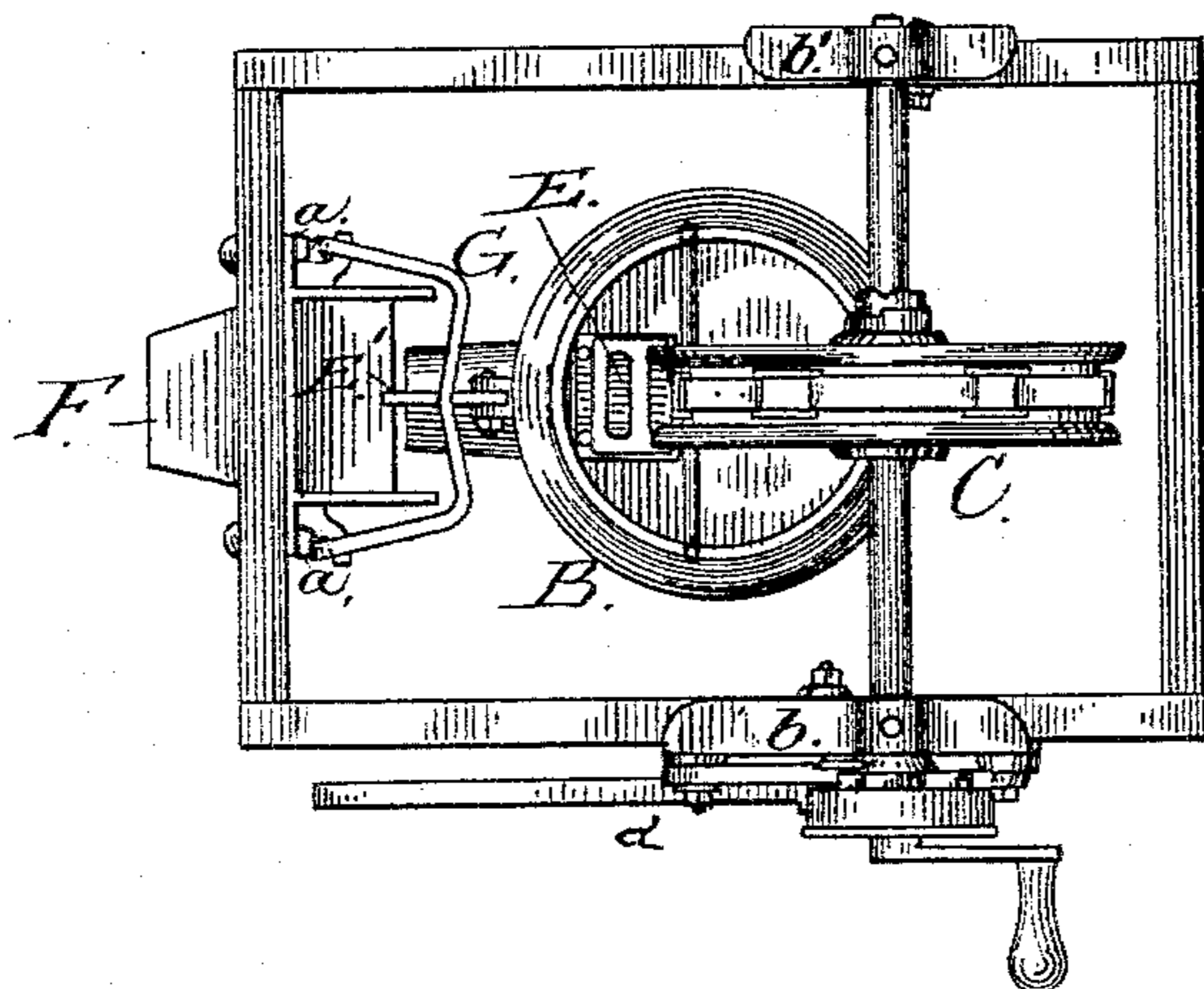


Fig. 2.



WITNESSES:

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(No Model.)

2 Sheets—Sheet 2.

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Fig. 3

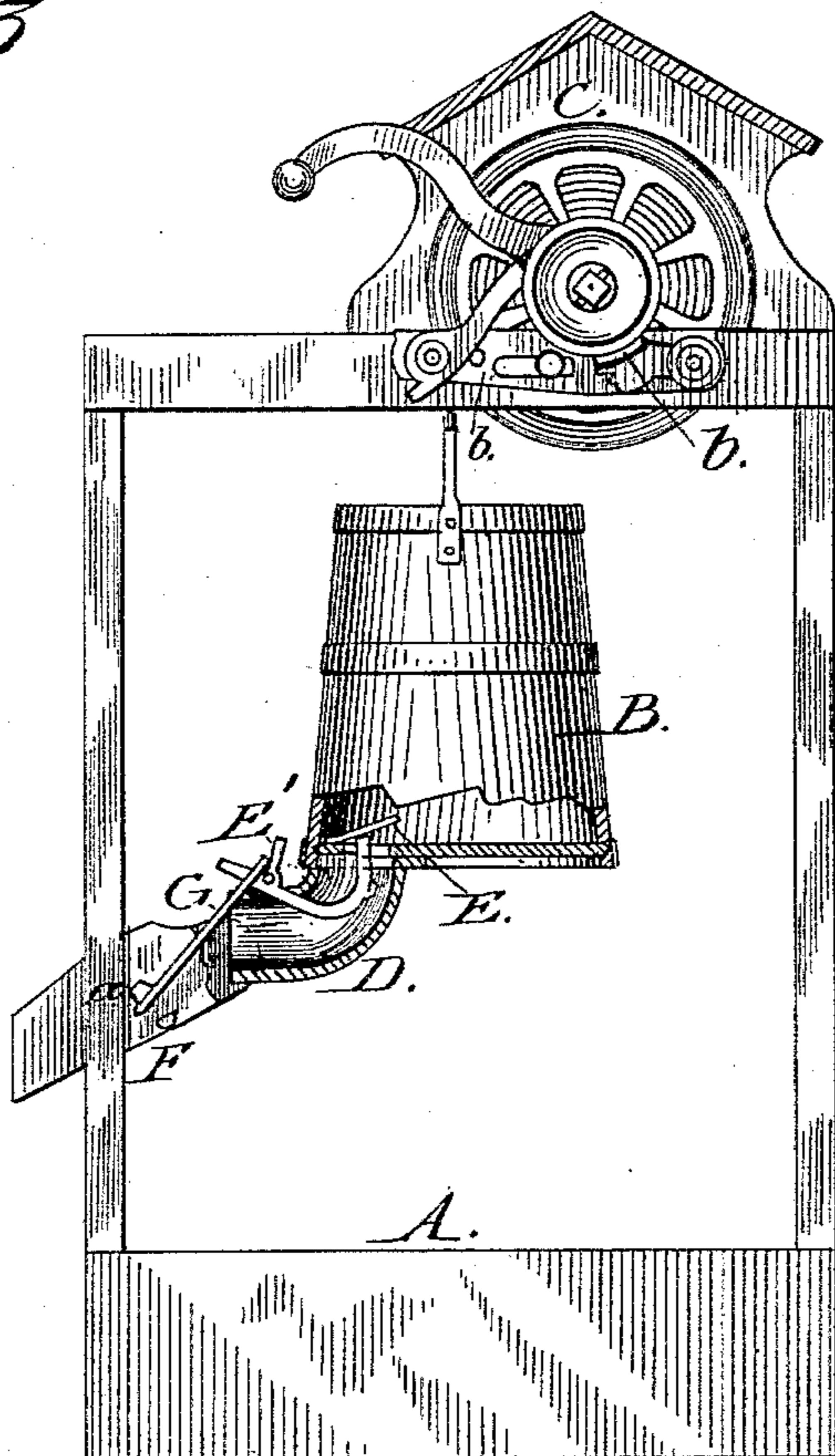
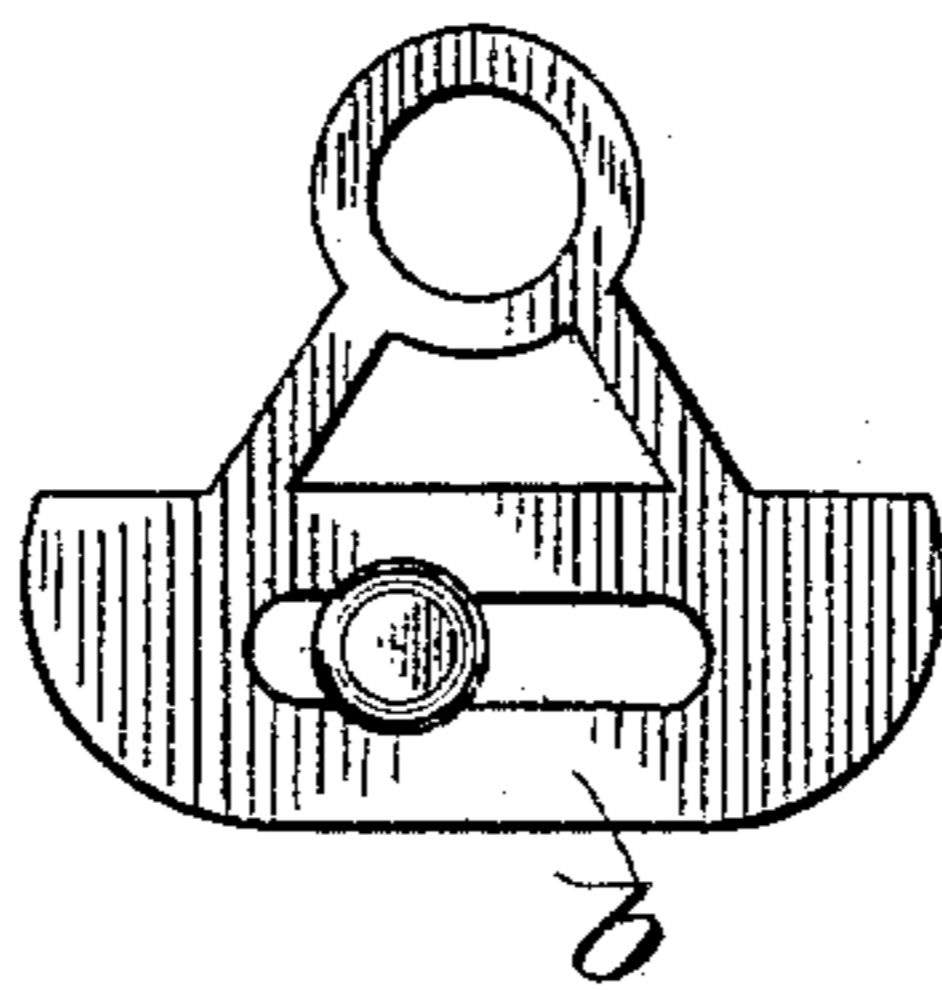


Fig. 4.



WITNESSES:

S. W. Fowler,
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UNITED STATES PATENT OFFICE.

HENRY L. BEACH, OF MONTROSE, PENNSYLVANIA.

WELL-CURB.

SPECIFICATION forming part of Letters Patent No. 387,759, dated August 14, 1888.

Application filed October 28, 1887. Serial No. 253,598. (No model.)

To all whom it may concern:

Be it known that I, HENRY L. BEACH, a citizen of the United States, residing at Montrose, in the county of Susquehanna and State of Pennsylvania, have invented certain new and useful Improvements in Well-Curbs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of a well-curb with the bucket in position ready to descend. Fig. 2 is a top view of the same. Fig. 3 shows the bucket in position for discharging the water. Fig. 4 is a detail, to be referred to.

My present invention refers to the curbing of wells in which buckets are used for drawing up the water; and it consists in the combination of devices hereinafter explained and claimed.

To enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

In the drawings, A represents the curbing of a well; B, the well-bucket, and C the cylinder for winding up the belt or chain C'. The bucket B is provided with the usual short pipe, D, valve E, and trip E', and on the frame is attached the usual spout, F, for the discharge of the water.

In order to bring the free end of the pipe D within the near end of the spout F preparatory to discharging the water, I attach to the spout a bail, G, of novel construction, as more particularly shown in Fig. 2. This bail has a slight bend at its center for the purpose of leading the trip to that point, and thus centering the pipe D and directing it into the spout. It is evident that the upward movement of the bail in the arc of a circle, will bring the pipe D within the near end of the spout F. The upward movement of the bail after being caught by the trip is limited by the stub a, beyond which the bail cannot rise, and any further

strain on the trip tends to open the valve and discharge the water from the bucket through the pipe and the spout. It is evident that when the bucket is again lowered the swinging bail will carry the free end of the pipe clear of the spout and allow the bucket to descend.

As the bucket when it ascends and reaches the point where the spout is located must be brought to such a vertical position that the free end of the pipe will just pass the near end of the spout, it becomes a matter of essential importance to secure adjustability to the cylinder on which the band or chain is wound, as it is evident that wells of different depths will require bands of different lengths, which would necessarily result in varying diameters of the cylinders when the bands are wound thereon, and this would vary the position of the bucket when raised to the position necessary to discharge the water through the spout. To overcome this difficulty, I have constructed the box b of sufficient length to attach thereto both the pawl c and the brake d. Then I slot both of the boxes b and b', as shown in Figs. 3 and 4, and thus make them adjustable on the frame, whereby I am enabled to adjust the position of the cylinder to suit the length of the band to be used in the well and still have the trip in its proper position relative to the spout and bail.

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

The bucket B and pipe D, in combination with the valve E, trip E', the bent bail G, and the stop a, for controlling the upward movement of the bail and allowing the trip to open the valve, and the spout F, all constructed and arranged substantially as and for the purposes herein set forth.

HENRY L. BEACH.

Witnesses:

W. H. PATTERSON,
T. WALTER FOWLER.