

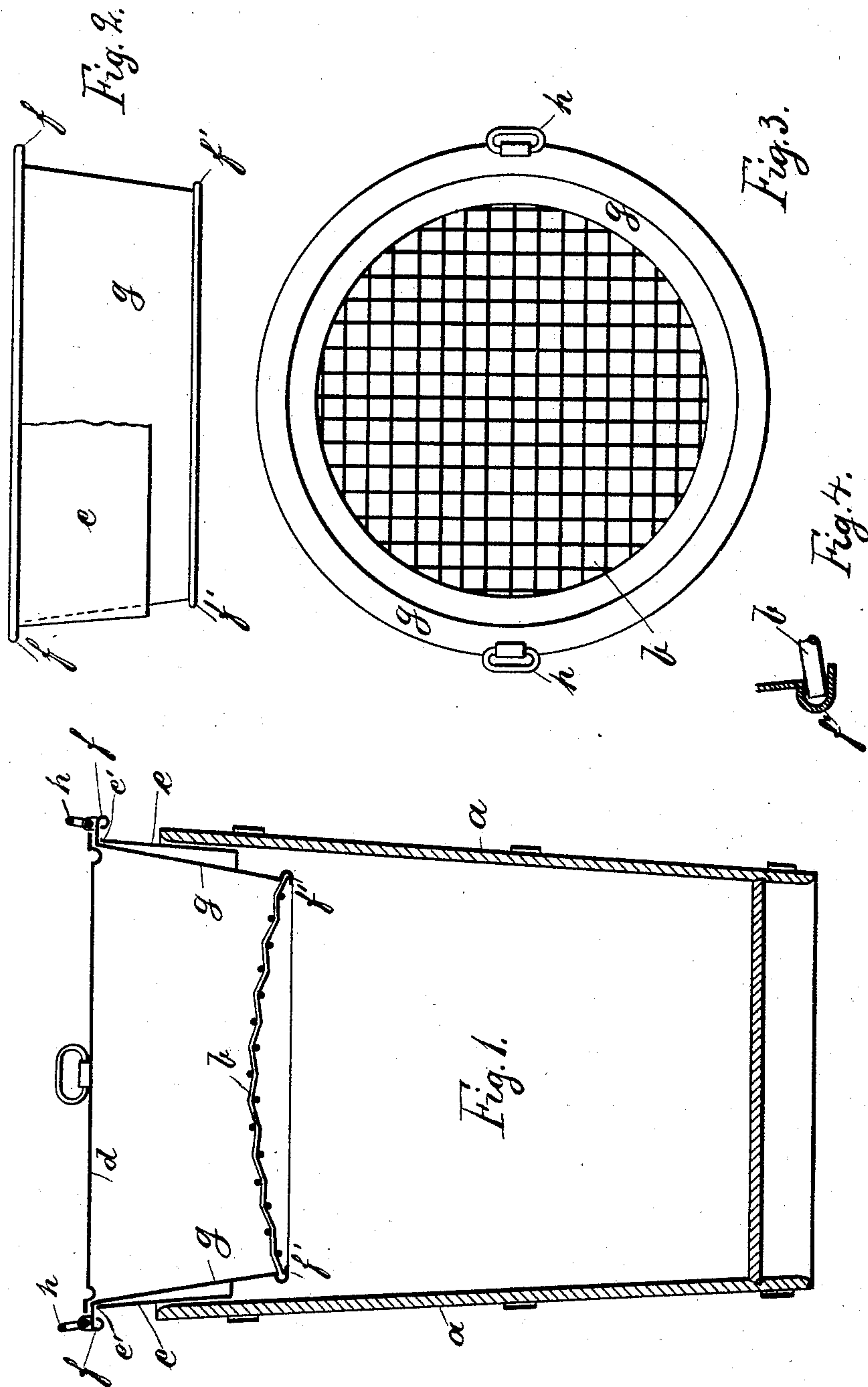
(No Model.)

J. A. SEITZ.

ASH SIFTER.

No. 328,147.

Patented Oct. 13, 1885.



Witnesses:
F. Rudolph. J. H. Templin.

Inventor:
Julius A. Seitz.

UNITED STATES PATENT OFFICE.

JULIUS A. SEITZ, OF BROOKLYN, NEW YORK.

ASH-SIFTER.

SPECIFICATION forming part of Letters Patent No. 328,147, dated October 13, 1885.

Application filed February 16, 1885. Serial No. 156,046. (No model.)

To all whom it may concern:

Be it known that I, JULIUS A. SEITZ, of the city of Brooklyn, county of Kings, and State of New York, have invented certain new and
5 useful Improvements in Ash-Sifters; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings and the letters and figures therein.

10 The object of my invention is to construct a simple, cheap, and dustless ash sifter of the class designed to be used in connection with any ordinary pail, barrel, or similar ash-receptacle, and to combine durability and
15 strength with cheapness of manufacture.

Figure 1 is a vertical section through the sieve, the band or hoop, the cover, and the pail. Fig. 2 is a side view of the sieve and
20 band or hoop, the latter being partially removed. Fig. 3 represents a top view of the sieve with the handles and wire-screen bottom. Fig. 4 is a section through the lower flange of the sieve, showing the way of inserting the wire screen or netting.

25 The band has a flaring corresponding to that of any ordinary pail, and being constructed of light sheet metal without flange, wiring, or bead on it is therefore very flexible, and conforms itself to the shape of the pail or ash-receptacle and forms thus a tight joint. On
30 its top edge, *e'*, rests the sieve *g*, provided with handles *h h*, by means of which a horizontally-vibrating motion can be imparted to said sieve. The flange *f* of the sieve is bent over
35 or wired to give it greater stiffness or rigidity. The top edge, *e'*, of the elastic band *e*, as well as the flange *f* of the sieve *g*, is perfectly straight, and forms thus a tight joint. The sieve *g* is covered with a cover, *d*, resting
40 with its flange on the flange of the sieve, and thus again forming a tight joint, preventing

any escape of dust, and offering the essential properties of a dustless sifter.

The sieve *g* is made of sheet metal, and provided at its lower edge with a bead, *f'*, (shown 45 in Fig. 4.) The central part of said sieve is cut out, thus leaving an opening covered over by a wire screen or netting, *b*. The screen *b*, after being loosely inserted in the bead *f'* by hand, is then crimped or tightened in by com- 50 pressing the bead *f'*. The screen is slightly convexed.

It will thus be seen that any danger of the screen slipping out of the sieve through the weight of the ashes and cinders is overcome, 55 the weight of the ashes having in this case a tendency to still further push the wire-netting in the bead and secure it there more firmly.

I am aware that prior to my invention ash-sifters have been made by inserting wire bot- 60 toms in bands and securing them by folding, soldering, or corrugating; but in those cases straight bottoms have been used. Such I do not claim.

What I do claim and desire to secure by 65 Letters Patent is—

1. An ash-sifter comprising a flexible metallic band or hoop, *e*, having edge *e'*, and adapted to be inserted in a suitable ash-receptacle, a sieve having a flange, *f*, resting 70 on said edge *e'*, and a cover, *d*, substantially as described.

2. An ash-sifter comprising a flexible metallic band or hoop, *e*, adapted to be inserted in a suitable ash-receptacle, a flanged sieve 75 having secured at its lower edge a slightly-convexed wire screen, *b*, and a cover, *d*, substantially as described.

JULIUS A. SEITZ.

Witnesses:

LOUIS BECK,

FRANK RUDOLPH.