(No Model.)

F. E. ALLEN.

SINK CLEANER.

No. 320,742. Patented June 23, 1885.

Fig. 1

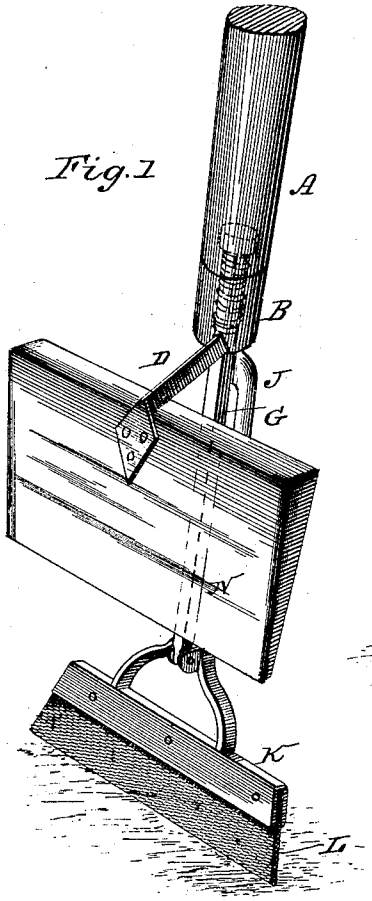


Fig. 2

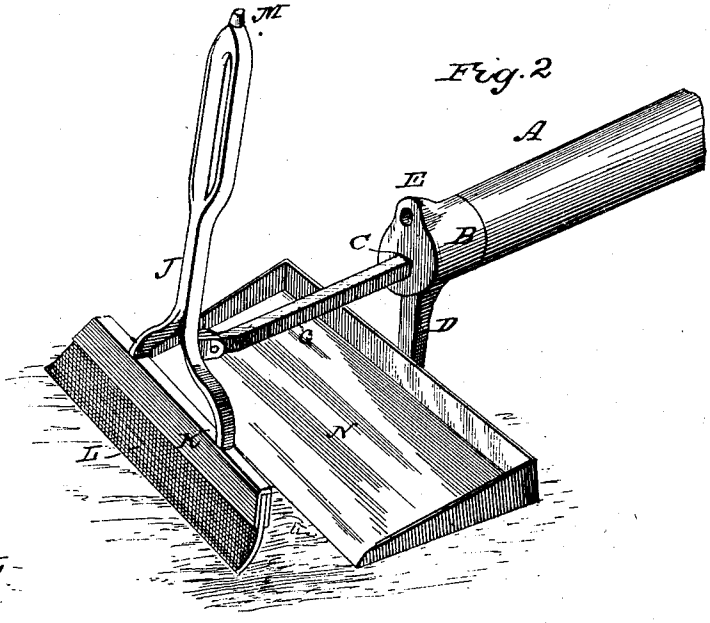
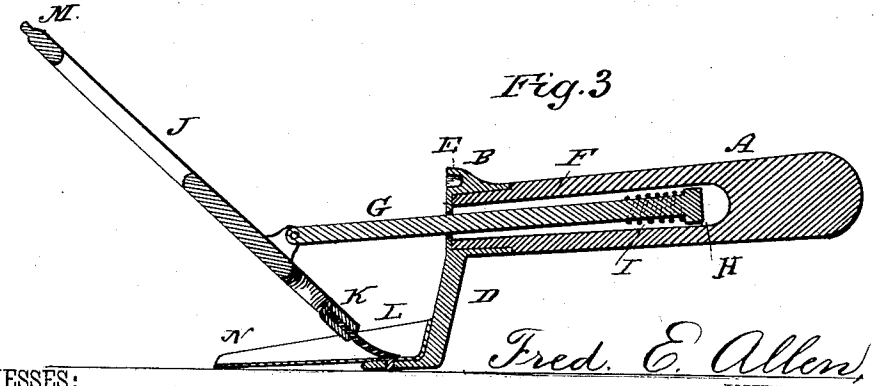


Fig. 3



WITNESSES:

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Fred. G. Dieterich.
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UNITED STATES PATENT OFFICE.

FRED. E. ALLEN, OF NORTH GRAFTON, MASSACHUSETTS.

SINK-CLEANER.

SPECIFICATION forming part of Letters Patent No. 320,742, dated June 23, 1885.

Application filed November 20, 1884. (No model.)

To all whom it may concern:

Be it known that I, FRED. E. ALLEN, of North Grafton, in the State of Massachusetts, have invented certain new and useful Improvements in Sink-Cleaners; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved sink-cleaner, showing the same in position for scraping and cleaning a sink. Fig. 2 is a perspective view showing the device in position for pushing the dirt from the sink onto the pan attachment, and Fig. 3 is a longitudinal vertical sectional view showing the device in position for discharging the contents of the pan.

The same letters refer to the same parts in all the figures.

This invention relates to devices for scraping and cleaning sinks and the like; and it has for its object to produce a device which shall possess superior advantages in point of simplicity, durability, and general efficiency.

With these ends in view the invention consists in the improved construction and arrangement of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A designates a suitable handle, upon the end of which is secured a ferrule, B, constructed with an opening, C, in its lower or front end, a downwardly-extending arm, D, and an upwardly-extending perforated lug, E.

The handle A is constructed with a longitudinal opening or recess, F, adapted to receive a rod, G, sliding through the opening C in the end of the cap or ferrule, and having at its inner end a flange or collar, H, between which and the ferrule B is interposed a spring, I, the tendency of which, when the rod G is nearly extended, is to force it in an inward direction.

The outer end of the rod G has a pivoted arm or lever, J, the lower end of which is bifurcated and provided with a clamp, K, of suitable construction, in which is fixed a scraping-strip, L, of rubber, and the upper end or handle of which has a stud, M, adapted to enter the perforated lug E of the cap or ferrule, as shown in Fig. 1 of the drawings. To the downwardly-extending arm D of the said ferrule is riveted or otherwise secured a pan, N.

The operation of this invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. By pulling the rod G out to its utmost extent the lever or handle J may be turned to a position about parallel with the said rod and the stud M at its upper end fitted in the perforated lug E, where it is retained by the tension of the spring I, thus enabling the device to be conveniently used for scraping or collecting the waste matter together into a heap. The stud M is then disengaged from the lug E, thus enabling the arm or lever J to be raised to the position shown in Fig. 2, when, owing to the longitudinally-sliding motion of the rod G, it or the scraper at the lower end of the said arm may be employed for conveying the heap of rubbish onto the pan N. This having been accomplished, the handle J may be reversed to the position shown in Fig. 3, when the scraper may be employed for cleaning the pan from the rubbish and depositing the latter into a bucket or some other suitable waste-receptacle.

This invention is susceptible of various changes. Thus, for instance, a brush may be substituted for the scraper L, and the device thus be conveniently used as a combined dust-pan and brush; and I desire to have it understood that I reserve to myself the right to this and all other modifications which may be resorted to without departing from the spirit of my invention.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination, with a handle having a suitably-attached pan, of a longitudinally-sliding rod having a pivoted arm or lever

carrying a scraper or brush at one end thereof, substantially as and for the purpose herein shown and specified.

2. The combination, with a handle having a suitably-attached pan, of a longitudinally-sliding rod having a pivoted arm or lever carrying a scraper or brush at one end, and means for attaching the other or handle end of the said lever temporarily to the handle in a position about parallel to the said sliding rod, substantially as and for the purpose herein set forth.

3. The combination of a longitudinally-recessed handle having a pan suitably attached thereto, a longitudinally-sliding rod having a flange or collar at its inner end, a spring arranged to force the said rod in an inward direction into the handle, and a perforated lug at the outer end of the handle adapted to receive a stud at the upper end of the arm or lever, substantially as and for the purpose herein set forth.

4. The combination of a longitudinally-recessed handle, a ferrule or cap having an opening, an upwardly-extending perforated lug, and a downwardly-extending arm to which is secured a pan, a longitudinally sliding rod having a flange or collar at its inner end, between which and the cap or ferrule a spring is interposed, and an arm or lever pivoted to the outer end of the said sliding rod, and having a scraper or brush at its lower end, and at its upper end a stud adapted to engage the perforated lug of the cap or ferrule, substantially as and for the purpose herein set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

FRED. E. ALLEN.

Witnesses:
WILLIAM T. BARKER,
LUKE T. DRURY.