

(Model.)

C. H. STARIN.

COMBINED SHOVEL AND ASH SIEVE.

No. 246,568.

Patented Aug. 30, 1881.

Fig: 1.

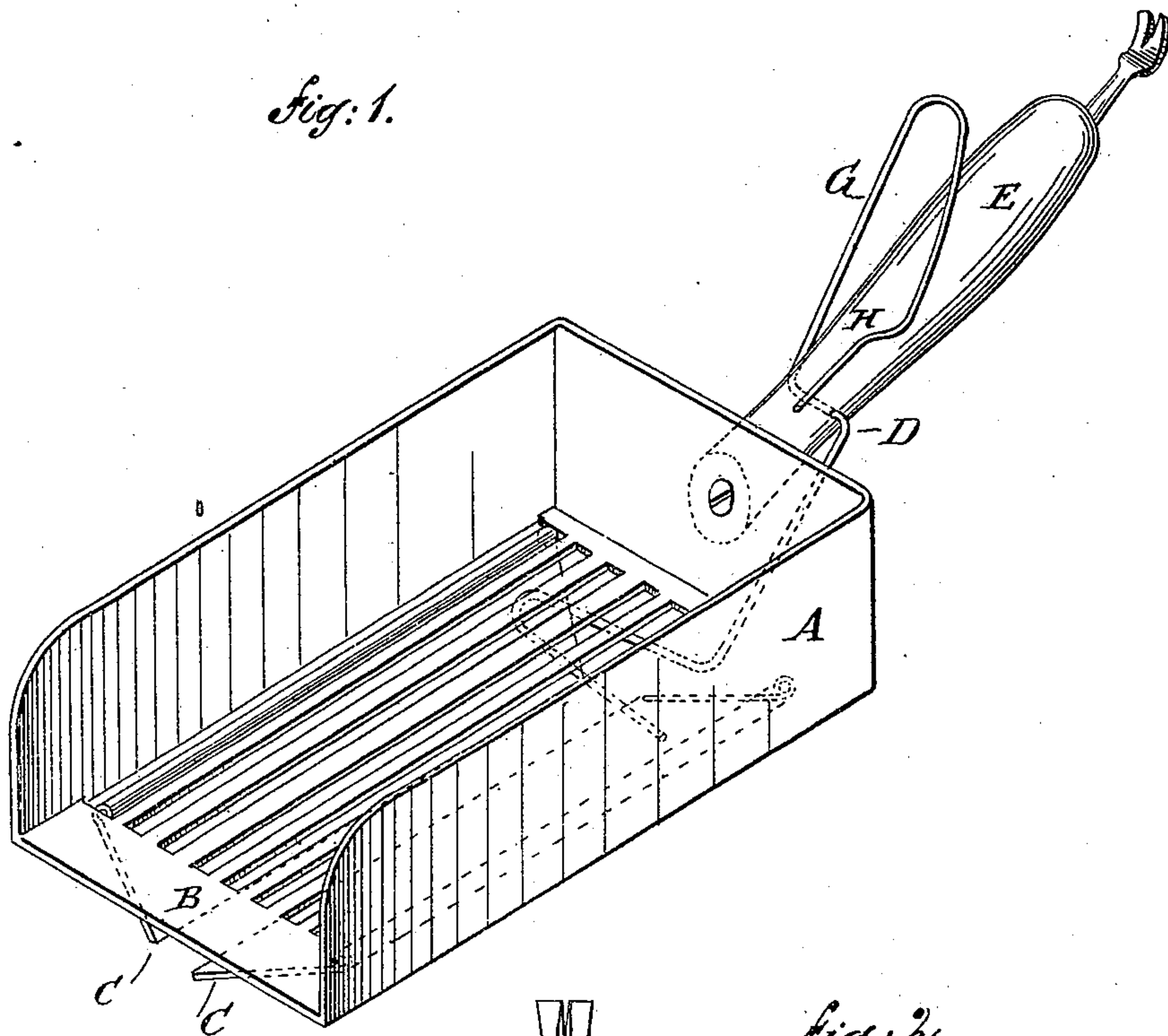
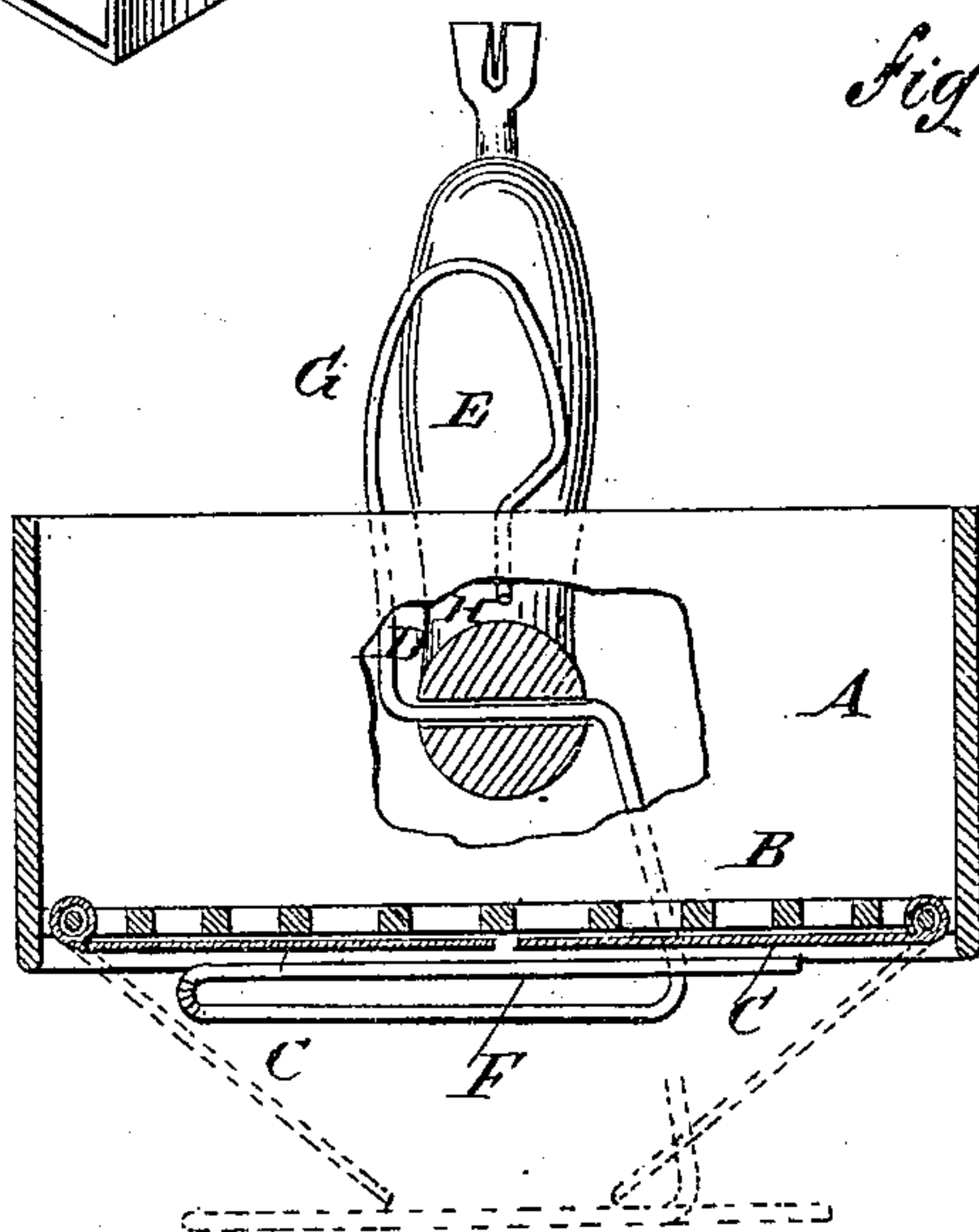


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES H. STARIN, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-THIRD
TO JOHN C. HARVEY, OF SAME PLACE.

COMBINED SHOVEL AND ASH-SIEVE.

SPECIFICATION forming part of Letters Patent No. 246,568, dated August 30, 1881.

Application filed July 1, 1881. (Model.)

To all whom it may concern:

Be it known that I, CHARLES H. STARIN, of Brooklyn, Kings county, New York, have invented a new and Improved Combined Shovel and Ash-Sieve, of which the following is a specification.

The object of my invention is to provide a new and improved coal-shovel which can also be used to sift ashes and separate them from the cinders.

The invention consists in a slotted or perforated shovel with a plate pivoted to each longitudinal edge of the bottom, which plates can be raised to close and cover the perforated or slotted bottom by means of a wire pivoted in the handle and provided with an extension, which can be depressed very conveniently by the person holding the shovel.

In the accompanying drawings, Figure 1 is a perspective view of my improved shovel and ash-sieve. Fig. 2 is a cross-sectional elevation of the same.

Similar letters of reference indicate corresponding parts.

The shovel A is provided with a slotted or perforated bottom, B, to each longitudinal edge of which a plate, C, of half the width of this bottom is hinged or pivoted. A wire, D, is pivoted in the handle E, and the lower end of this wire is bent transversely under the plates C. The upper end of this wire is bent upward to form a lever, G, above the handle, and the end H of the upper part of the wire is to form a stop or check, which rests against the handle E, and prevents the end F of the wire and the plates C from dropping too far. The lever G is pressed against the handle E, whereby

the plates C are raised up against the bottom B and close the perforations or apertures of the same. The shovel can now be used to shovel the ashes out of the stove. If the lever G is released, the end F of the wire D and the plates C drop, as shown in dotted lines in Fig. 2. If the shovel is then vibrated or shaken, the ashes will drop through the perforations or slots, and the cinders remain in the bottom B, and can be thrown into a suitable receptacle, and in this manner all the ashes can be sifted by the shovelful.

The shovel can be made of any desired size, and can be made for family use as well as for use in coal-yards, &c. It can also be used for sifting sand, gravel, cement, minerals, &c.

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

1. The combination, with the shovel A, having a slotted or perforated bottom, B, of the plates C C, hinged or pivoted to the bottom, and of a device for raising these plates against the bottom, substantially as herein shown and described, and for the purpose set forth.

2. The combination, with the shovel A, having a slotted or perforated bottom, B, of the plates C C, hinged or pivoted to the bottom, and wire D, pivoted in the handle E, and having its lower end bent to cross below the plates C, and its upper end to form a lever, G, above the handle, substantially as herein shown and described, and for the purpose set forth.

CHARLES H. STARIN.

Witnesses:

OSCAR F. GUNZ,
C. SEDGWICK.