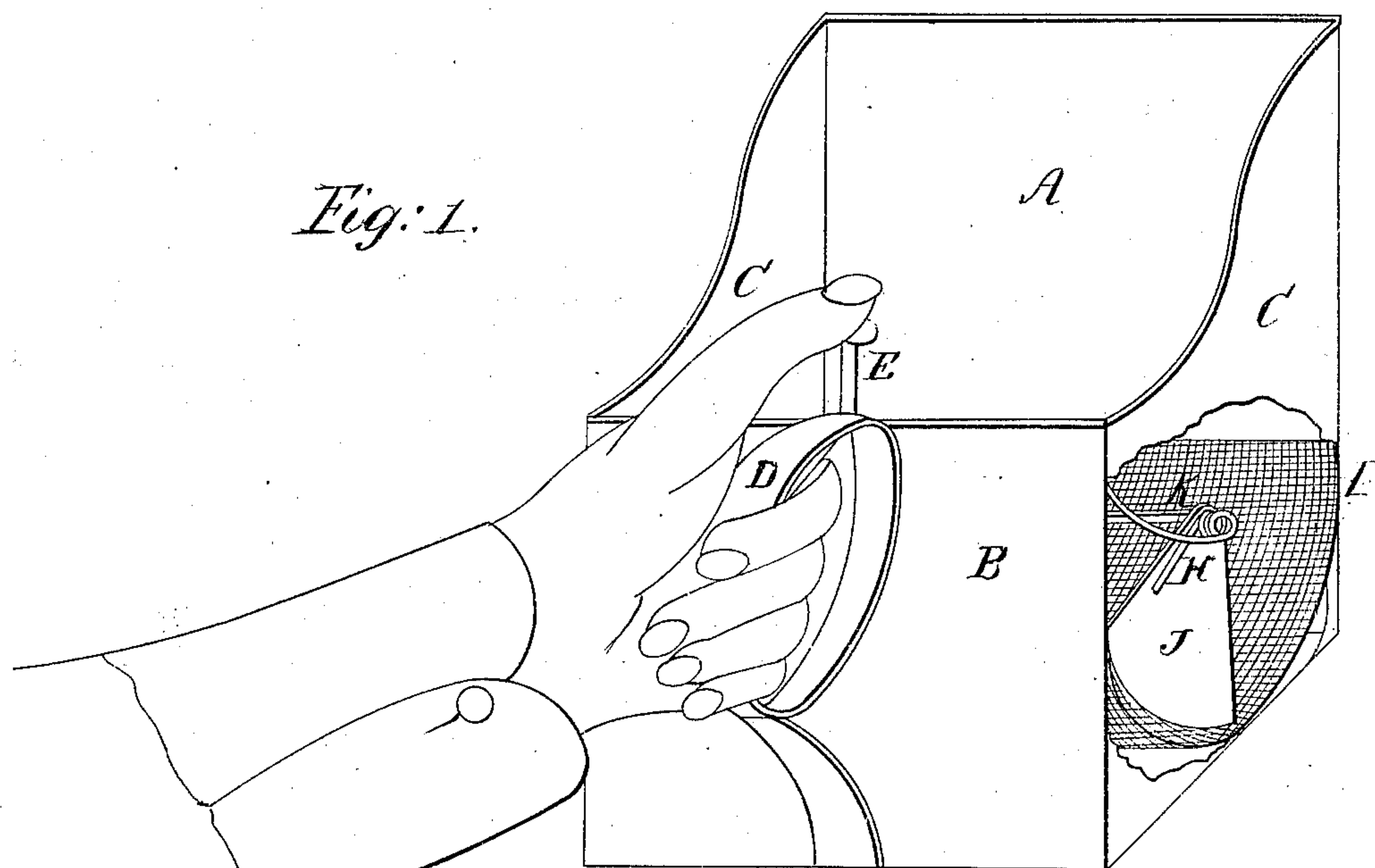
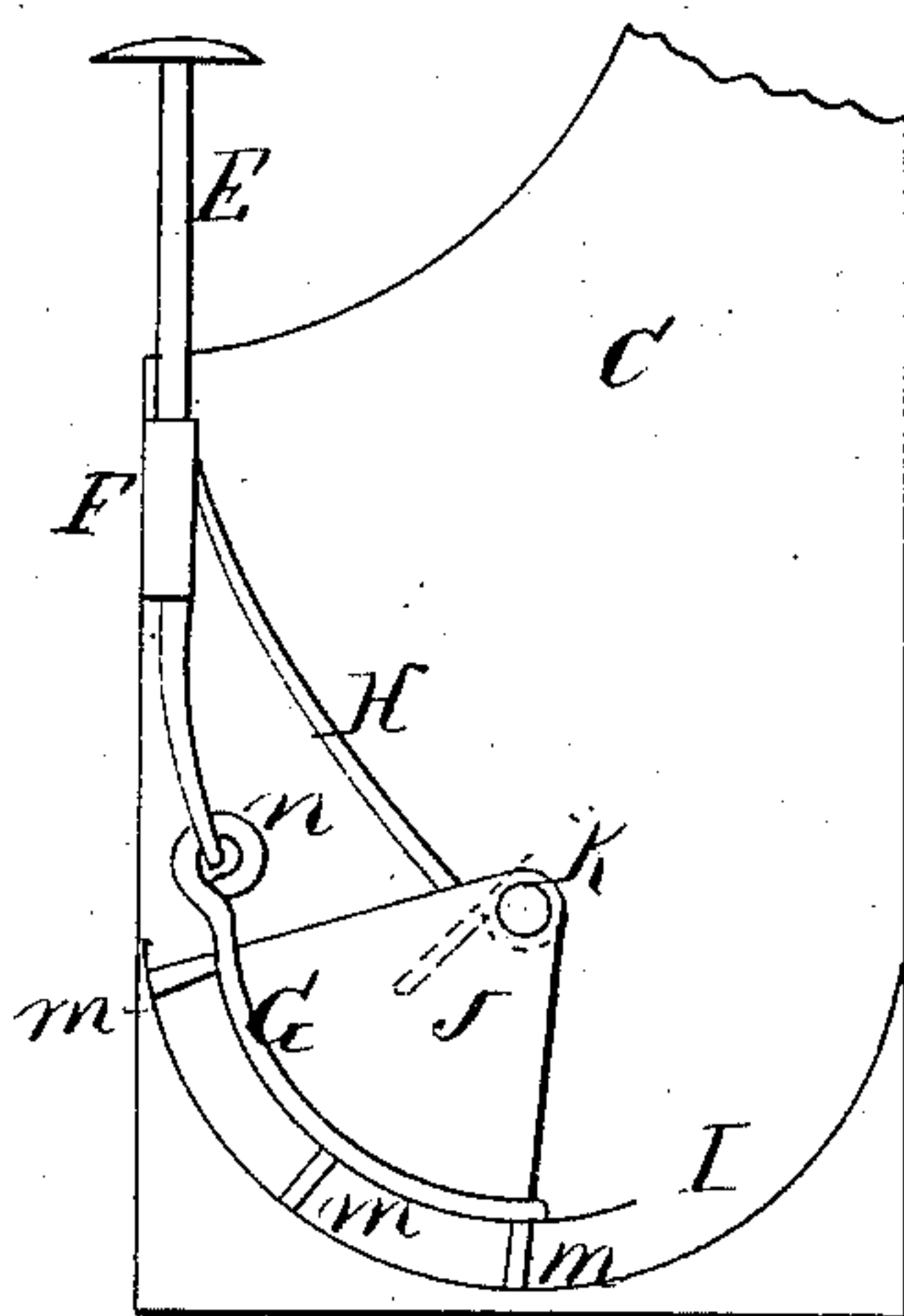


*Smith & Perkins,*  
*Scoop and Sieve.*  
*N<sup>o</sup> 79,922.* *Patented July 14, 1868.*

*Fig: 1.*



*Fig: 2.*



*Witnesses;*  
*G. L. Chapin*  
*A. Hayward.*

*Inventor;*  
*E. J. Smith*  
*J. B. Perkins*

# United States Patent Office.

E. J. SMITH AND F. B. PERKINS, OF CHICAGO, ILLINOIS, ASSIGNORS TO E. J. SMITH.

*Letters Patent No. 79,922, dated July 14, 1868.*

## IMPROVED SCOOP AND SIFTER.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that we, E. J. SMITH and F. B. PERKINS, of Chicago, in the county of Cook, in the State of Illinois, have invented a useful Improvement in Sifters and Scoops; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a perspective representation of our invention.

Figure 2, a transverse sectional elevation of the same.

This invention relates to an improvement in sifters and scoops, filed in the Patent Office, December 19, 1867, by F. B. Perkins; and its nature consists in the use of metal springs, coiled around the ends of the journal of the sifter, and fastened to the ends of the latter and to the scoop, whereby a reciprocating motion is had without the use of a rubber spring, and is better made, at less cost.

In order that others skilled in the art may fully understand the construction and operation of our invention, we have marked corresponding parts with similar letters, and will now give a detailed description.

A represents the long, and B the short sides of the scoop, having ends C C, a semicircular sieve, I, and handle D, all of which are made of sheet metal, in a neat and substantial manner, and like the invention referred to.

J represents the sifter, consisting of two end-pieces, hung on a journal, K, and wings *m* rigidly attached to them, by solder or otherwise, in a substantial manner, and used to force the article to be sifted through the sieve I, and consequently are made about the same length.

The device for moving the sifter in one direction consists of a rod, E, arranged to slide in a guide, F, fig. 2, rigidly attached to the inside of the scoop, and a curved rod, G, which is soldered fast to the inside of the wings *m*, and has an eye, *n*, to which the lower end of the rod E is hooked, and thus forms a joint which will allow the sifter to swing on the journal *k*, and over the curved sieve I.

This curved rod we consider an important improvement, as it answers the purpose of a support for the wings, and also a fastening for the rod E.

Instead of using a rubber strap for drawing the sifter back after it has been moved forward by the rod E, we use metal springs, H, which are attached to the ends J of the sifter, coiled around the ends of the journal K, and fastened to the angle of the scoop by means of solder or other suitable means.

By this arrangement the sifting-devices can be made much more cheaply, and are more substantial, as all of the parts are metal, and in position to be readily cleaned or repaired.

Having thus described our device, we do not claim the rod E, nor the sifter J, they having been used before; but

What we do claim, and desire to secure by Letters Patent, is—

The combination of the sifter J, rod E, coil-spring H, and curved rod G, substantially as and for the purpose herein set forth.

E. J. SMITH,  
F. B. PERKINS.

Witnesses:

G. L. CHAPIN,  
A. HAYWARD.