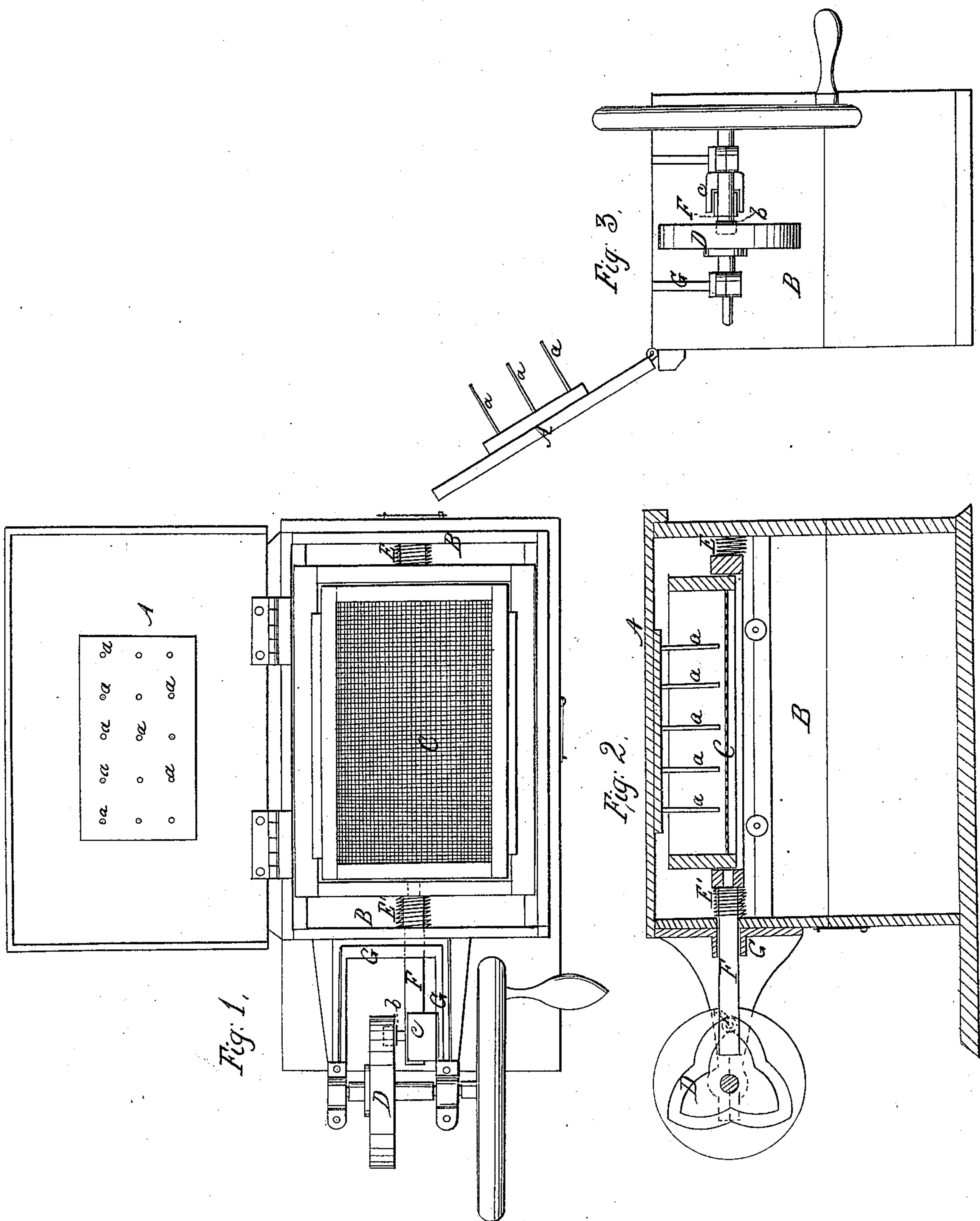


Siere.

N^o 14,609.

Patented Apr. 8, 1856.



UNITED STATES PATENT OFFICE.

SAMUEL HARRIS, OF SPRINGFIELD, MASSACHUSETTS.

MACHINE FOR SIFTING COAL AND OTHER ARTICLES.

Specification of Letters Patent No. 14,609, dated April 8, 1856.

To all whom it may concern:

Be it known that I, SAMUEL HARRIS, of Springfield, in the county of Hampden and State of Massachusetts, have invented a new and useful Improvement in Sifting-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1, is a plan or top view of a sifting machine, constructed after my invention; the cover being thrown back. Fig. 2, is a vertical central section of the same; the cover being in proper position. Fig. 3, is an end view of the same; the cover being thrown back.

Similar letters of reference indicate corresponding parts in the several figures.

My invention is designed more especially for sifting pulverized substances, either drugs or spices, but may be used to advantage for sifting certain substances which are not pulverized.

The nature of said invention consists in the providing of a number of pins *a, a, a*, on the underside of the cover A, of a sifting box B, and in the relation to the bottom of a vibrating sieve C, shown in the drawing, so that when the cover A, is shut down, and the sieve vibrated back and forth by a trigonal cam D, or other means, the material requir-

ing to be sifted shall be stirred up and separated and consequently more readily and thoroughly sifted. This arrangement besides being more effective, is very convenient, for by simply throwing back the cover, as shown in Figs. 1 and 3, the pins *a, a, a*, are moved out of the way, and the sieve C, can be removed, emptied, replaced, and refilled without any obstruction, and then by simply bringing forward the cover A, in a manner to close the box B, the separating pins *a, a, a*, will be brought into the position for operating again, as shown in Fig. 2.

What I claim as my invention and desire to secure by Letters Patent, is—

The providing of the pins *a, a, a*, on the underside of the cover A, of the sifting box B, and in such relation to the bottom of the vibrating sieve C, that when the top of the box is closed, and the sieve vibrated back and forth, they shall separate the material being sifted, and thus improve and facilitate the sifting operation, and when the top of the box is opened, they shall be out of the way, and thus allow for the convenient removal and replacement of the sieve, substantially as set forth.

SAML. HARRIS.

Witnesses:

WM. TUSCH,
JAMES R. BUCKLEY.