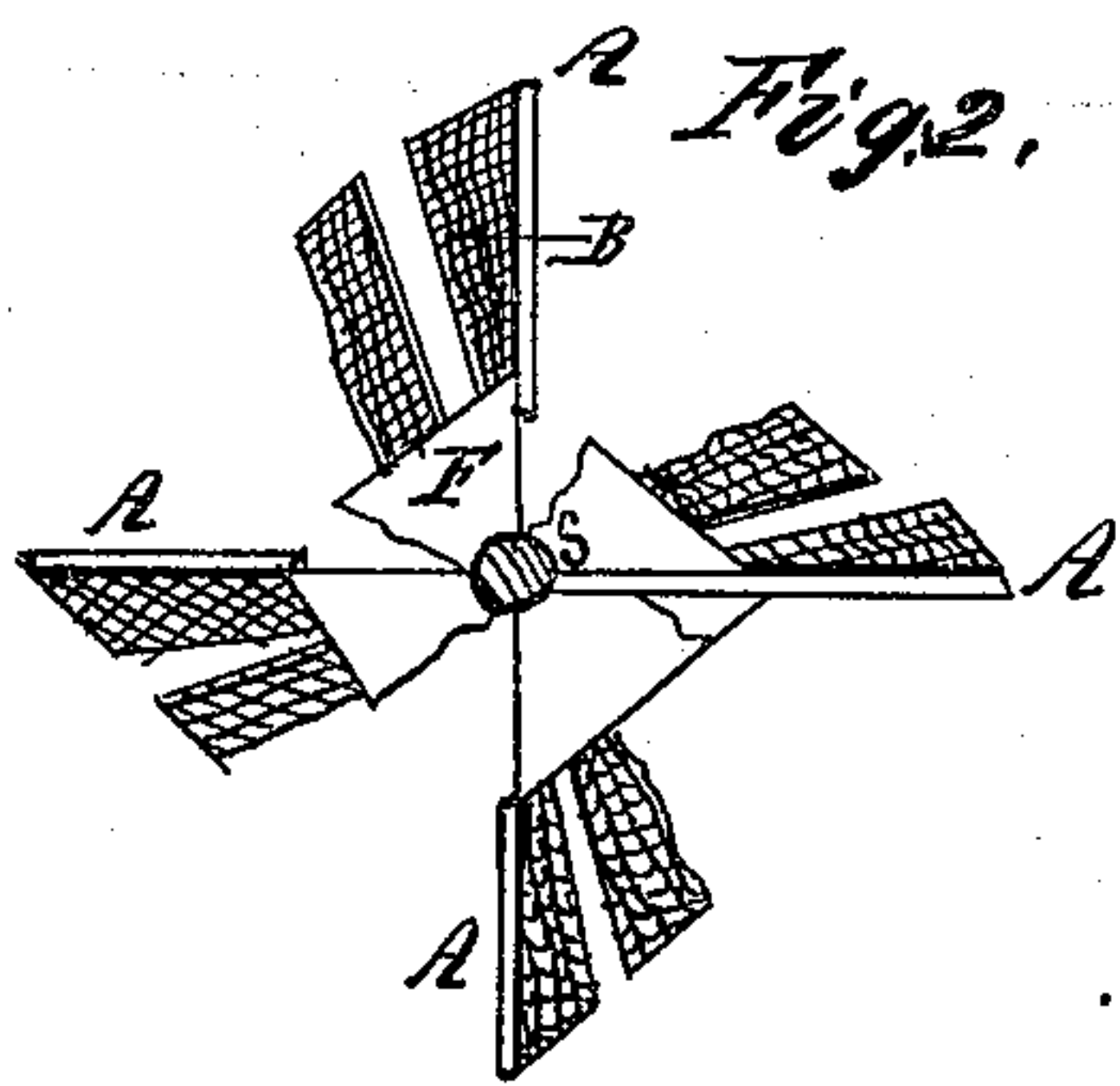
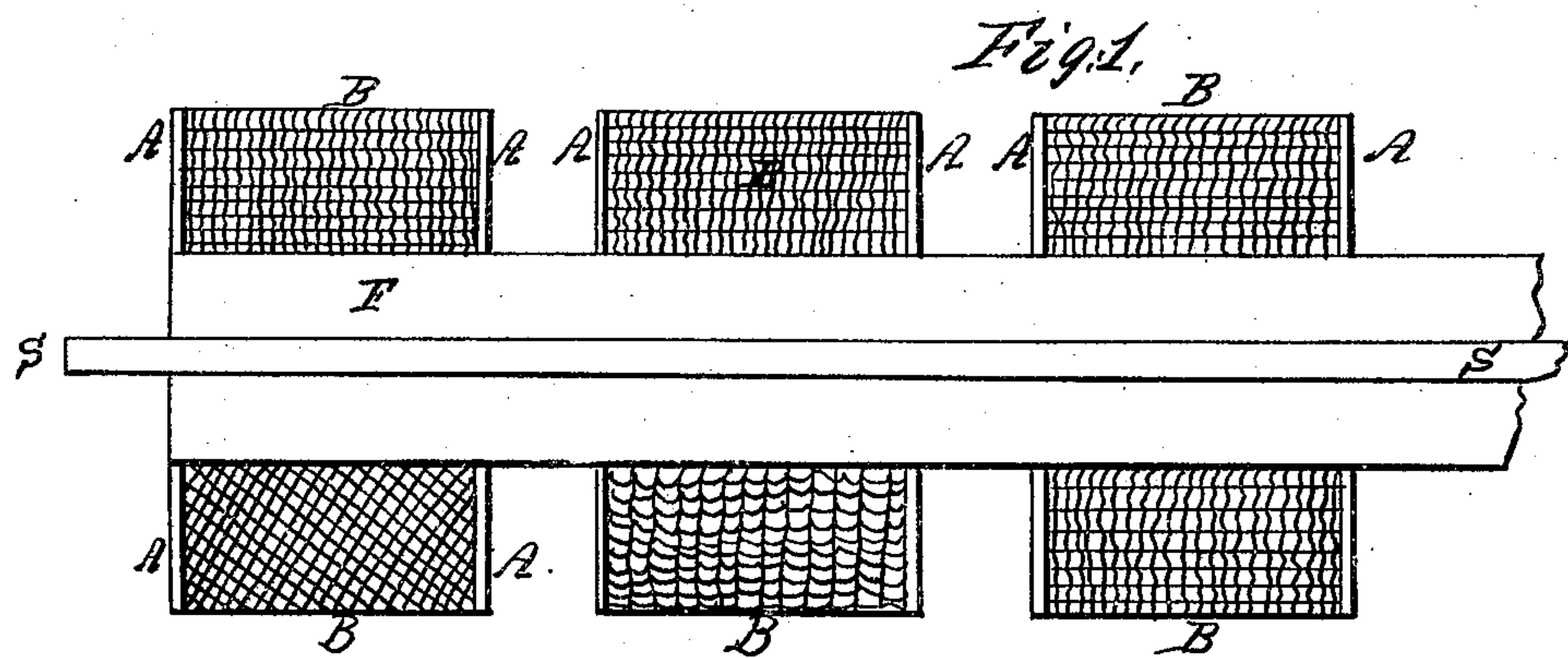


*R. M. Livingston.*

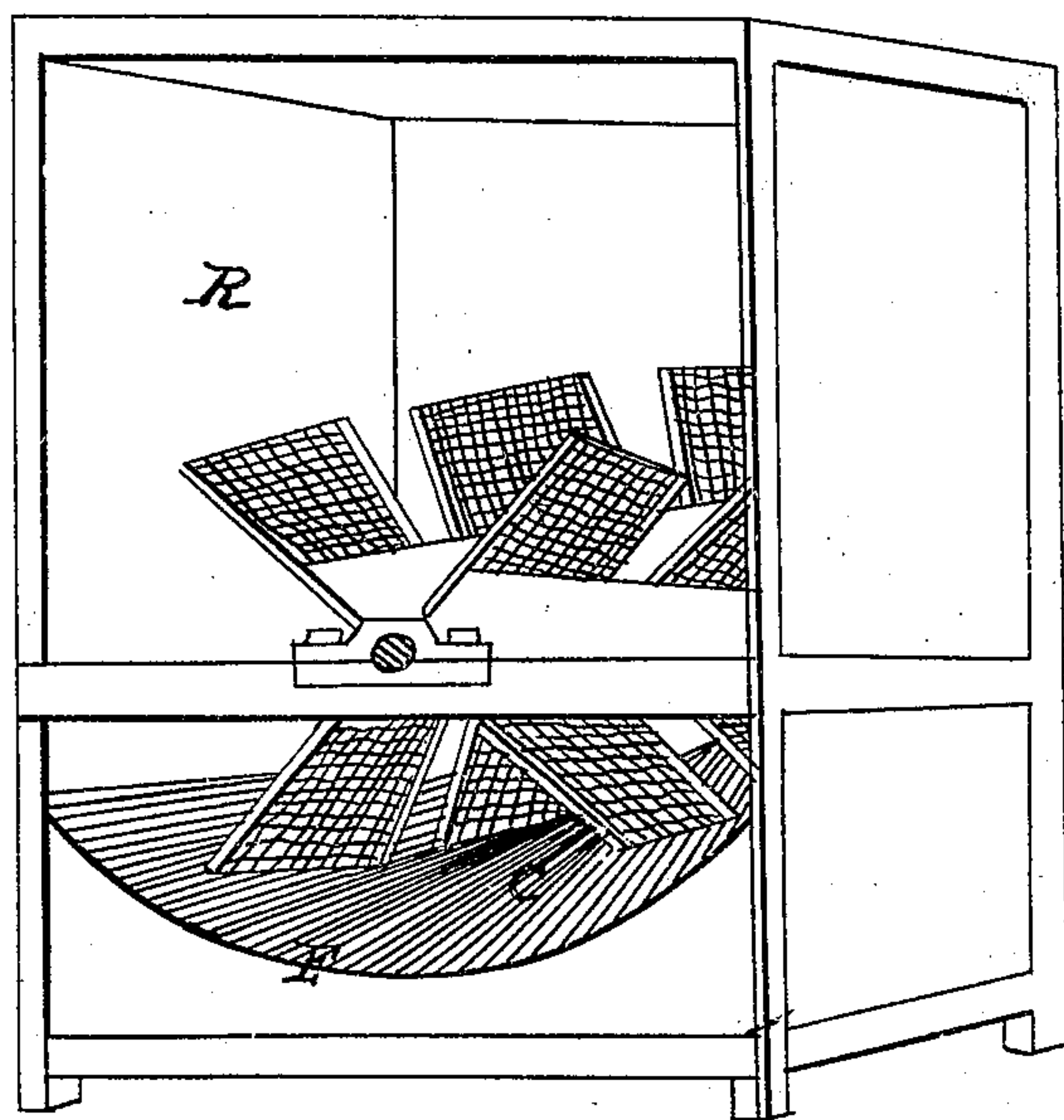
*Cotton Cleaning*

*N<sup>o</sup> 4,999.*

*Patented Mar. 6, 1847.*



*Fig. 3.*



# UNITED STATES PATENT OFFICE.

ROBT. M. LIVINGSTON, OF MOBILE, ALABAMA.

MACHINERY FOR CLEANING COTTON.

Specification of Letters Patent No. 4,999, dated March 6, 1847.

*To all whom it may concern:*

Be it known that I, ROBERT M. LIVINGSTON, of the city of Mobile, State of Alabama, have invented a new and useful Improvement on the Machine for Cleaning Cotton, entitled "Livingston's Improved Cotton-Cleaner;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a longitudinal section, Fig. 2 a transverse section, and Fig. 3 a perspective view.

This invention and improvement consists in the application of a net or any other kind of open work material, affixed on arms radiating from a shaft, for the purpose of cleaning cotton, &c., exemplified as follows:

Fig. 1, S, is a shaft, radiating from which are several arms A, A. To these arms stretched from one to another, is affixed (in any convenient method the sieve or open work material B and B each of which sections we will term a "beater". On the same shaft (and parallel with the open work beater), is affixed a strip of wood or cloth F, for the purpose of a fanner.

Fig. 3 is a box in which the shaft is made to revolve—this box is closed in on every

side with the exception of an opening at the end E for the emission of the cotton. The bottom of this box is formed concave by means of strips of wood or wire leaving interstices between them C. On one side (inwardly) of this box is also an upright wire rack R.

*Mode of action.*—The shaft S, (having any number of beaters affixed on it) being within a box. The cotton, &c., is put into it through an opening or hopper on the top, is carried around by the revolution of the shaft, and is then acted upon by the open work beaters B, B, which beat and open the cotton, &c., looses and frees it of impurities, and at the same time the wind created by the fanners, carries the impurities (such as dirt, leaf &c.) off through the interstices of the rack and bottom.

What I claim as my invention and improvement and for which I desire the exclusive privilege and right therefor, is—

For the application of any kind of net or open work material affixed upon arms radiating from a shaft to act as a beater or beaters either with or without a fanner, in the cleaning of cotton, &c.

ROBT. M. LIVINGSTON.

Witnesses:

THS. J. BUTLER,  
O. HUNTINGTON.