C. H. LEVY.

Machines for Applying Paris-Green Compound to Cotton-Plants.

No. 154,690. Patented Sept. 1, 1874.

Fig. 1.

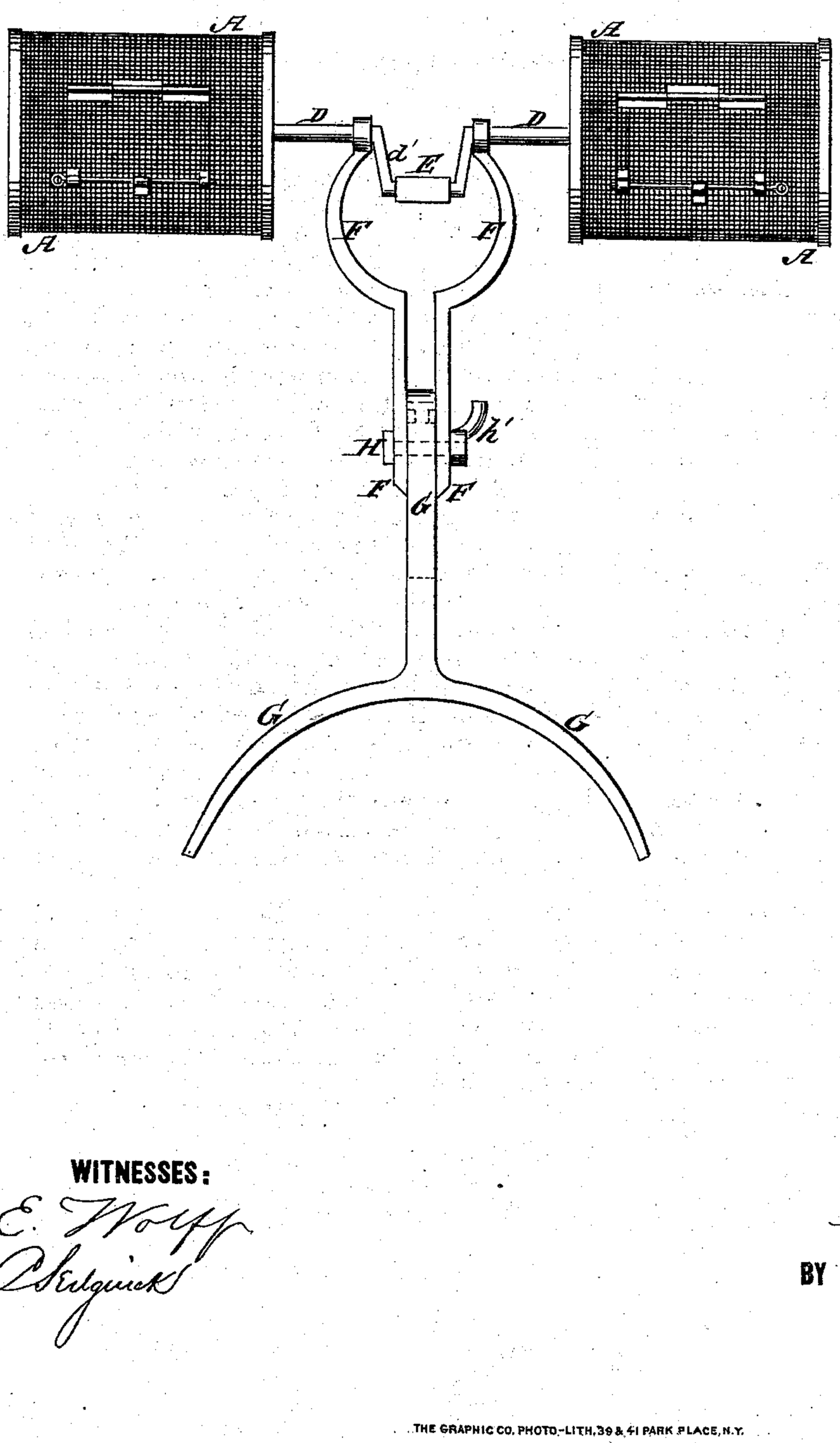
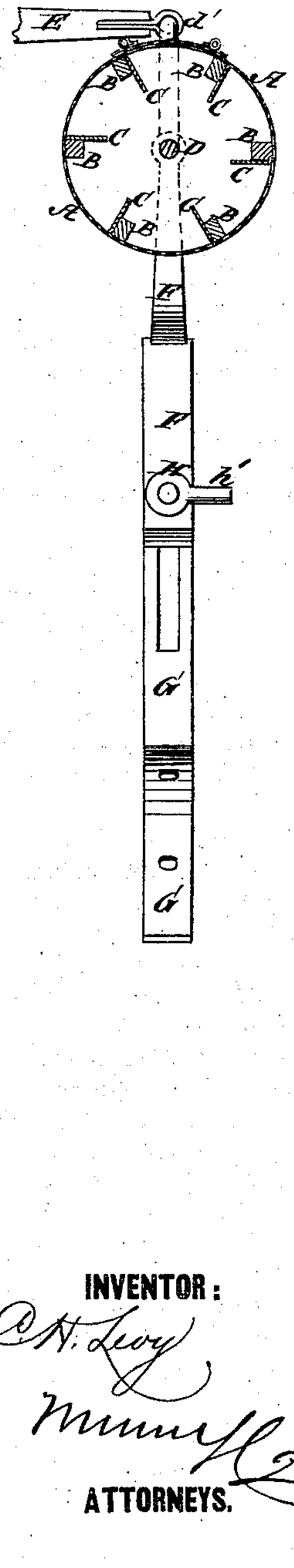


Fig. 2.



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UNITED STATES PATENT OFFICE.

CHARLES H. LEVY, OF NATCHITOCHES, LOUISIANA.

IMPROVEMENT IN MACHINES FOR APPLYING PARIS-GREEN COMPOUNDS TO COTTON-PLANTS.

Specification forming part of Letters Patent No. **154,690**, dated September 1, 1874; application filed May 16, 1874.

To all whom it may concern:

Be it known that I, CHARLES H. LEVY, of Natchitoches, in the parish of Natchitoches and State of Louisiana, have invented a new and useful Improvement in Machines for Applying Paris-Green Compound to Cotton-Plants, of which the following is a specification:

Figure 1 is a front view of my improved machine. Fig. 2 is a side view of the same, partly in section, through one of the cylinders.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described, and then pointed out in the claim.

A are two cylinders, formed by attaching fine wire-gauze or finely-perforated sheet metal to circular ends or disks. To the inner surfaces of the cylinders A are attached longitudinal strips B, to one side of each of which is attached a strip, C, of tin or other suitable sheet metal, which strips thus form flanges, which, as the cylinders revolve, raise the compound and allow it to fall back, so as to keep it stirred up and prevent the heavier ingredients from settling and thus escaping in too large a proportion and unevenly. The cylinders A are placed upon the end parts of a shaft, D, and are secured in place adjustably by keys or nuts, so that they may be moved toward or from each other to correspond with the distance apart of the rows of plants. Upon the middle part of the shaft D is formed a crank, *d'*, by means of which the cylinders are revolved, either by taking hold of the said crank *d'* directly, or by a short handle, E, pivoted to said crank. The shaft D revolves in eyes in the upper ends of two bars, F, the upper parts of which are curved to give room for the crank *d'* to operate. The lower parts of the bars F are parallel with each other, and pass down upon the opposite sides of the standard G, to which they are secured by a bolt, H, which passes through a hole in the lower parts of the said bars F, and through a slot in the said standard G, so that by loosening the hand-nut *h'* of the bolt H the cylinders A may be raised and lowered, as the height of the cotton-plants may require.

The bars F may be kept from turning upon the bolt H by lugs formed upon the inner sides of the bars F, and which enter the slot of the standard G, or by a second bolt.

The lower end of the standard G is branched, and has screw-holes formed through said branches to receive the screws or bolts by which the machine is secured to the forward part of a saddle, or to the frame of a sulky, according as it is designed to operate the machine upon horseback or upon wheels.

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

The combination of the revolving cylindrical sifters A, provided upon their inner surfaces with longitudinal flanges B C, the crank-shaft D *d'*, adjustable bars F, slotted standard G, and adjusting bolt or bolts H, with each other, substantially as herein shown and described.

CHARLES H. LEVY.

Witnesses:
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