

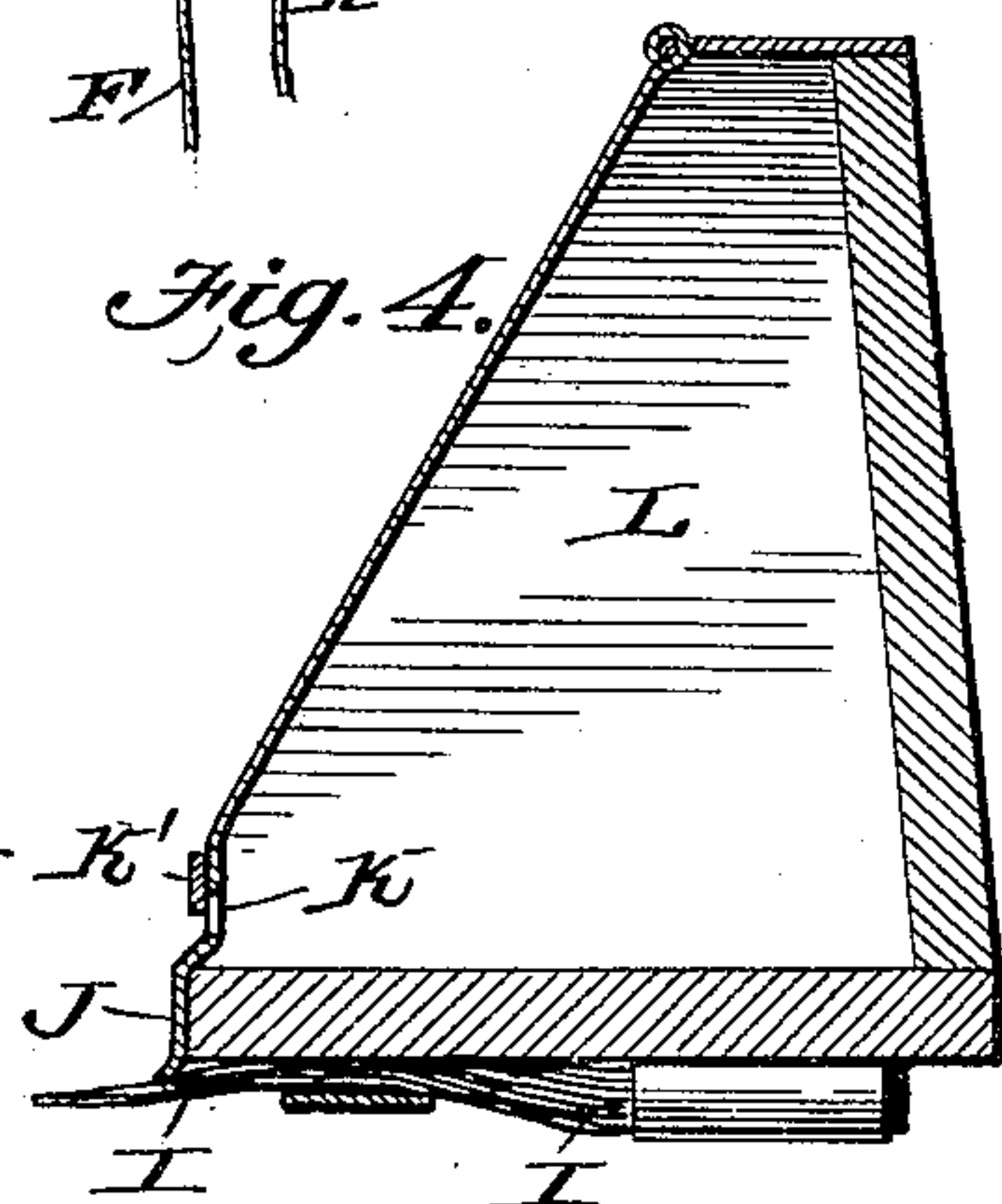
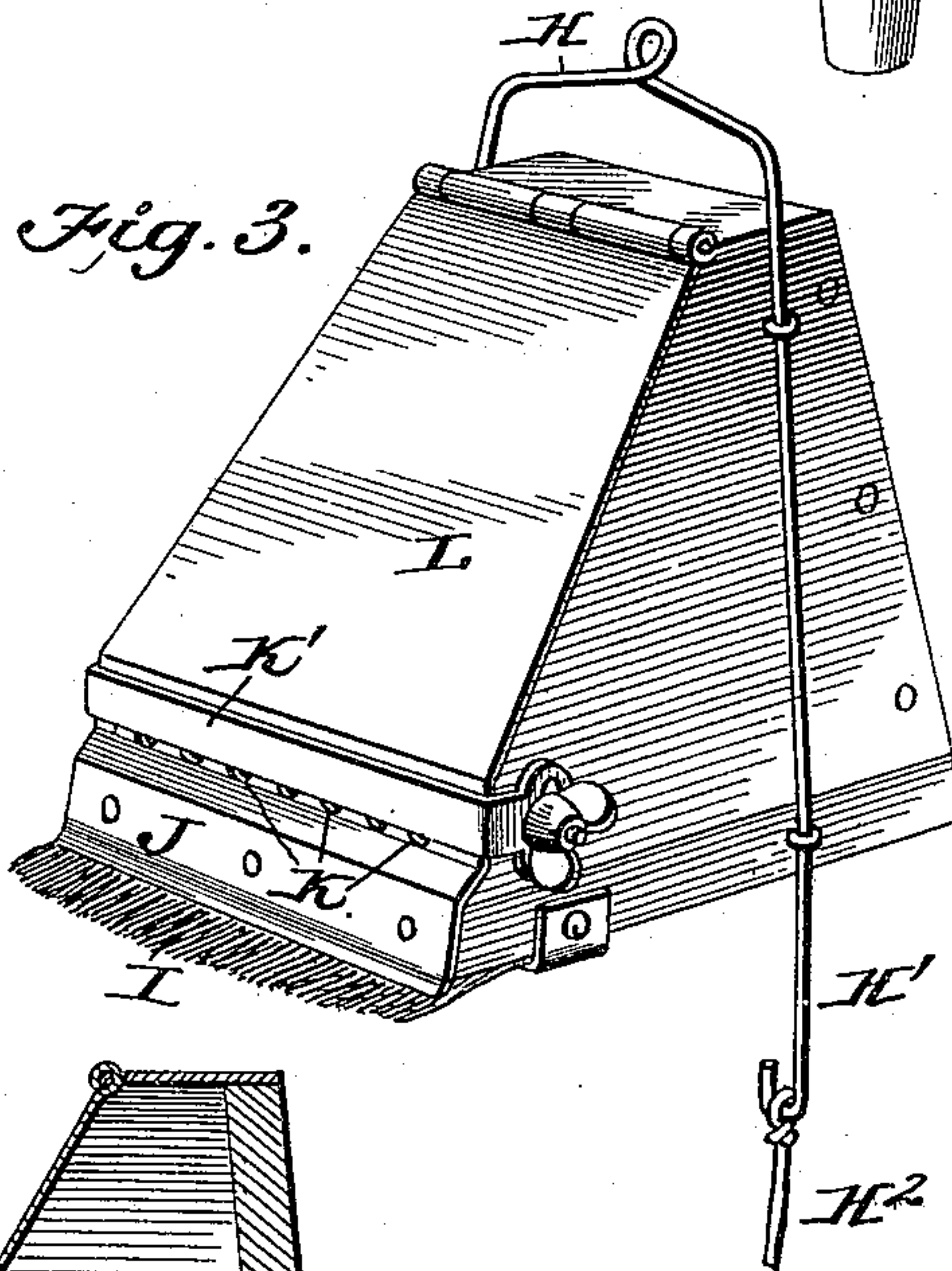
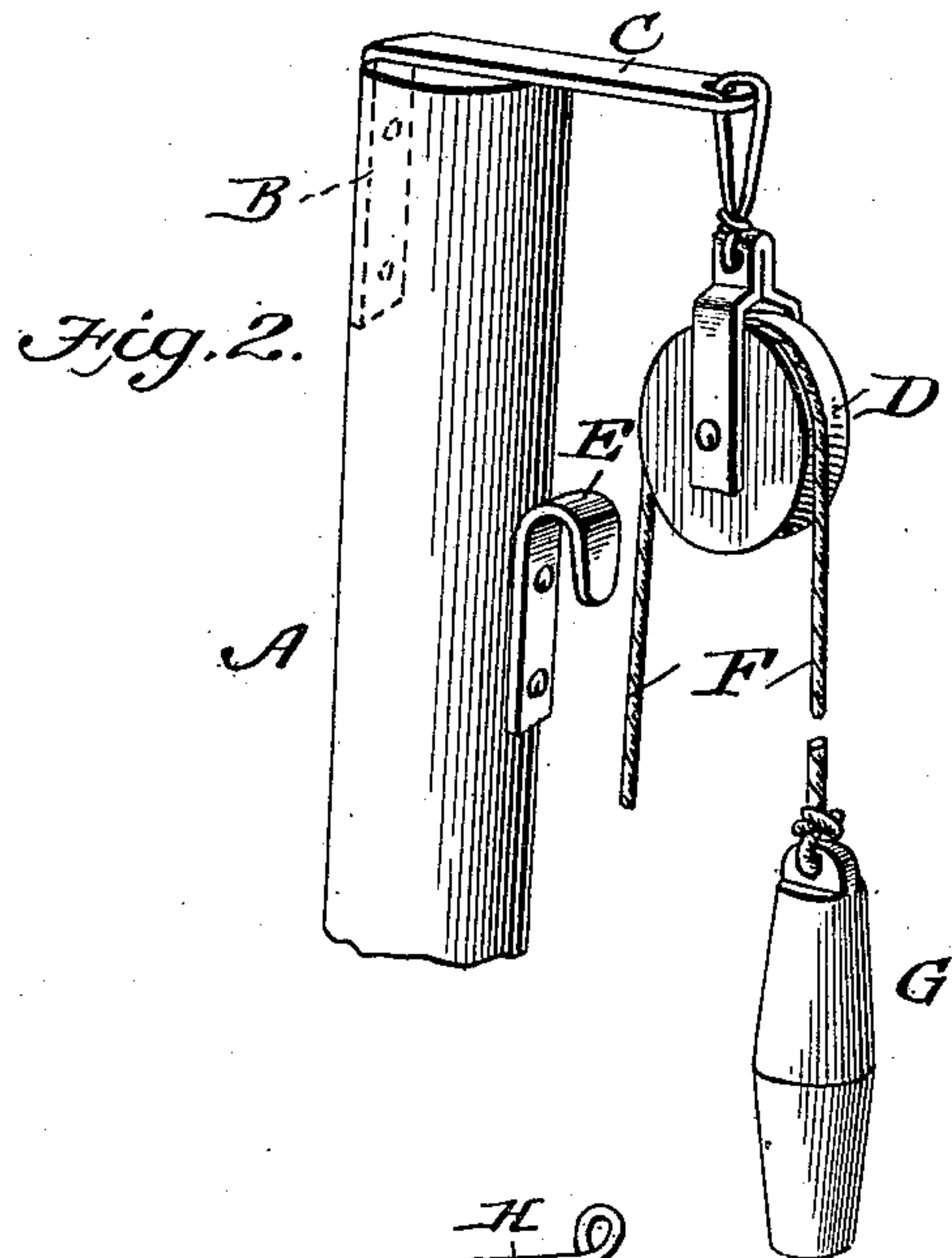
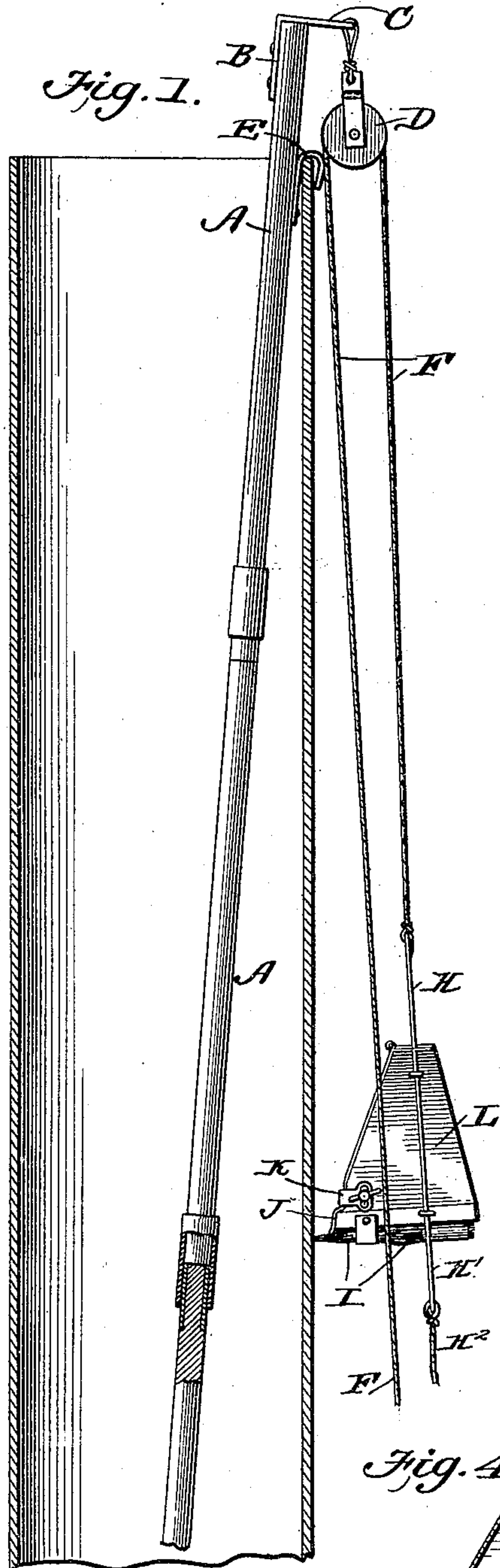
No. 617,982.

Patented Jan. 17, 1899.

M. G. BARRIER.
PAINTING MACHINE.

(Application filed Aug. 25, 1898.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

MIKE GRAYHAM BARRIER, OF WATTERSON, TEXAS.

PAINTING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 617,982, dated January 17, 1899.

Application filed August 25, 1898. Serial No. 689,515. (No model.)

To all whom it may concern:

Be it known that I, MIKE GRAYHAM BARRIER, residing at Watterson, in the county of Bastrop and State of Texas, have invented a new and useful Improvement in Painting-Machines, of which the following is a specification.

My invention is in the nature of a machine or apparatus especially designed for painting smoke or similar high stacks on their outer sides, and has for an object to provide simple novel constructions of paint box and brush, of means for suspending same and operating them from the top of the stack, and for adjusting such means to the top of the stack.

The invention consists in certain novel constructions and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a sectional view of a stack with my invention as in use. Fig. 2 is a detail view of the upper end of the sectional rod. Figs. 3 and 4 are detail views of the box and brush.

By my invention I provide means which may be operated within the stack for adjusting a suitable guide on the top of the stack, from which the fountain-brush may be suspended and reciprocated up and down the exterior of the stack, being suitably guided by lines depending from the brush to the ground.

In the construction shown I provide the elevating means, consisting of the rod-sections A, which may be detachably connected at one end, preferably by providing the rods at one end with a socket to receive the end of the next rod. The upper rod-section preferably has its end armored or plated at B to protect it from wear. This armor B is secured by forming the bracket C, which supports the suspending-pulley D, with a depending wing secured alongside the upper rod-section and forming the armor-plate, as shown. This upper section also has the hook E, which is preferably arranged on the side of such rod opposite the plate B and below the bracket C. In operation the rod-sections are connected one after the other, the upper section being pushed up the inner side of the smoke-stack with the plate B bearing against the latter, and sections are added from time to time un-

til the hook C passes above the upper end of the stack, when the rod may be given a half-turn and the hook E be caught upon the edge of the stack. It should be understood that the rope F, being passed over the pulley D, has been elevated to the top of the stack and has at one end the weight G, its other end being held by the operator, who may now draw upon the rope to adjust the weight above the stack and let it descend outside the stack, when the fountain-brush is connected and may be raised and lowered along the outer side of the stack to properly paint the same, as will be understood from the drawings. This paint-box is adapted to contain the paint and has a bail H for connection with the rope. The side arms of this bail extend at H' below the brush and receive the guide-lines H², which operate to properly direct the movements of the fountain-brush as the latter is reciprocated by the operation of the rope F. At its lower end the fountain-brush is provided with the brush proper, I, and above the same with a presser-plate J, which bears upon the top of the brush and delivers the paint thereto, such paint escaping through the openings K near the bottom of the box L. To regulate the flow of paint, I provide a valve-plate K', which is adjustable over the openings K and may be set to cover the same to any desired extent to properly regulate the discharge of paint or to entirely cut off the same.

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

1. A painting apparatus consisting of a guide-pulley, a support therefor, adapted to be hooked over the edge of a stack and a paint box and brush suspended from said pulley substantially as described.

2. In a painting apparatus a sectional rod having its upper section provided with a hook to engage the stack and with a pulley whereby to guide the rope for suspending the paint box and brush substantially as described.

3. A painting apparatus comprising the rod made in sections and detachably connected as described, the hook and guide-pulley on the upper section, the paint box and brush, the rope passed over the guide-pulley and supporting the paint box and brush and a

guide line or lines depending from the latter substantially as set forth.

4. A painting apparatus substantially as described, comprising a guide-pulley, a support for such pulley having a hook adapted to engage over the stack, means whereby such support may be elevated within the stack, and the paint box and brush, and the supporting-rope substantially as described.

5. In an apparatus substantially as described, the paint-box having discharge-openings and a brush and provided with a bail having its side arms extended below the paint-box and adapted for the connection of the guide-lines substantially as set forth.

6. In an apparatus substantially as described, a fountain-brush comprising the box having discharge-openings at one side, the valve-plate controlling such openings, the brush proper below said box and the plate bearing upon the top of the brush and extending thence upward to the discharge-openings substantially as set forth.

7. The improved apparatus herein described, comprising a sectional rod having its upper section provided with a hook to engage the upper edge of the stack and with a bracket

having a depending plate forming an armor for such section, the guide-pulley supported on said bracket, the rope passed over said guide-pulley and the fountain-brush supported on said rope and provided with a guide line or lines substantially as set forth.

8. A painting apparatus for use on stacks comprising a rod having a hook to engage on the edge of the stack, and a guide-pulley above said hook and adapted to form a guide for the cord supporting the painting device substantially as set forth.

9. An apparatus for painting stacks comprising a rod having near its upper end a downwardly-projecting hook to engage over the edge of the stack, a cord by which to suspend the painting device, and a guide for said cord, such guide being supported by the rod at a point above the hook whereby when the hook is engaged on the edge of the stack the cord-guide may be disposed outside such stack substantially as set forth.

MIKE GRAYHAM BARRIER.

Witnesses:

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F. W. MCGUIRE.