

(No Model.)

F. J. & A. SCHWARZKOPF.
ROPE OR WASHLINE PULLEY BLOCK HANGER AND REMOVING DEVICE.
No. 562,156. Patented June 16, 1896.

FIG. 1.

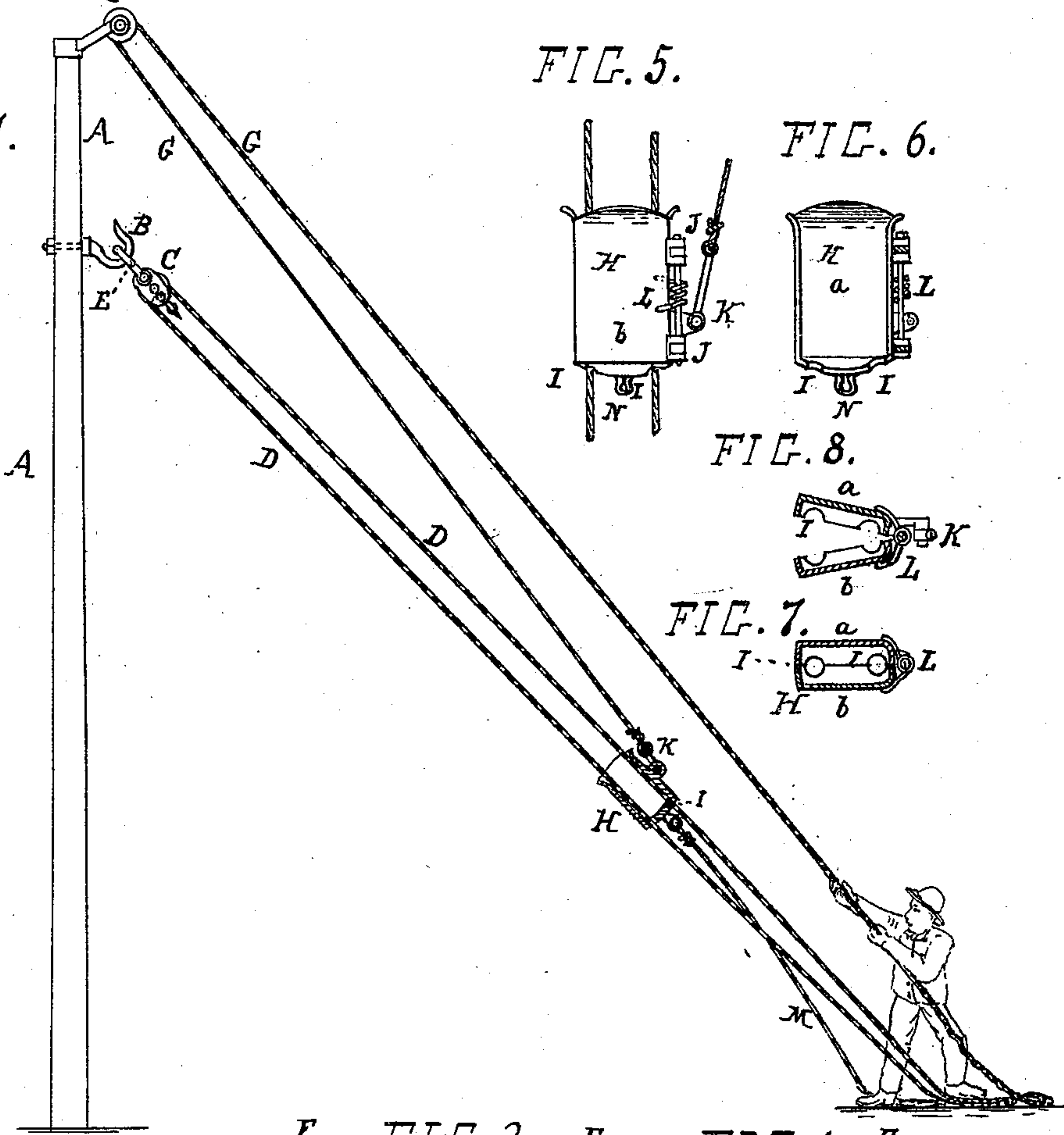


FIG. 5.

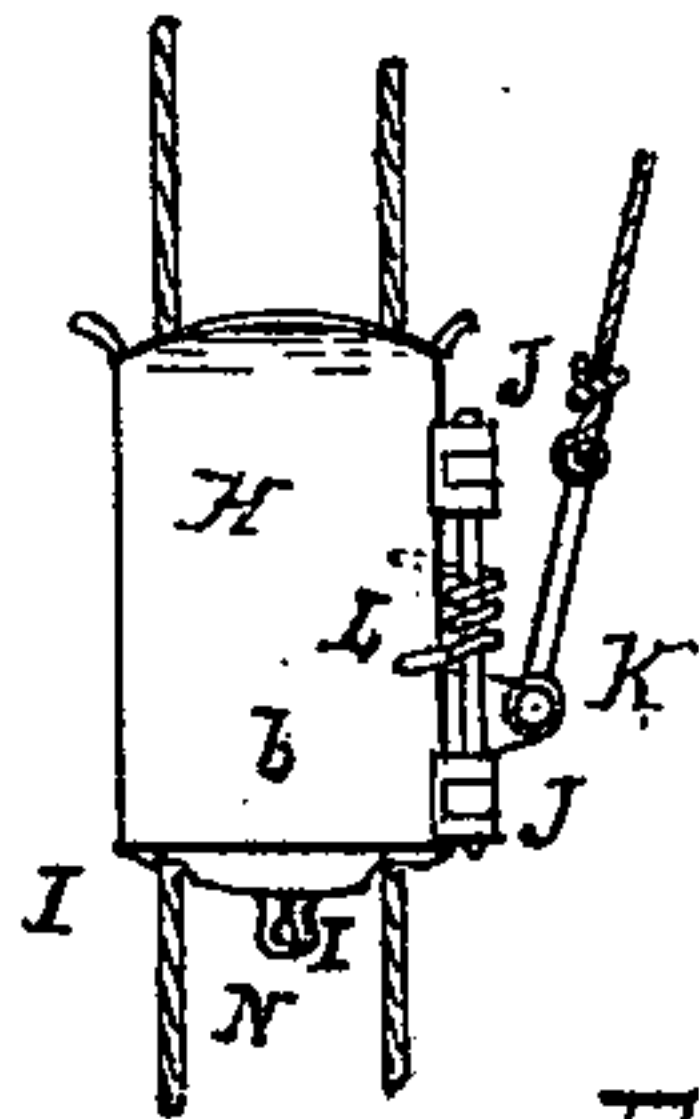


FIG. 6.

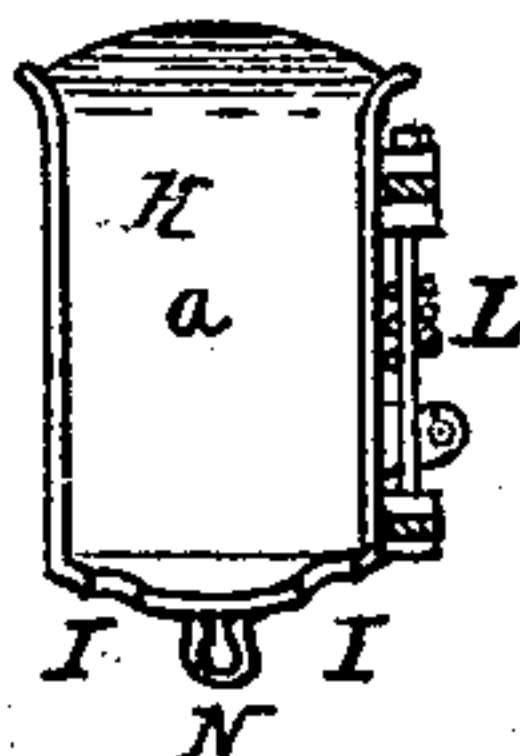


FIG. 8.

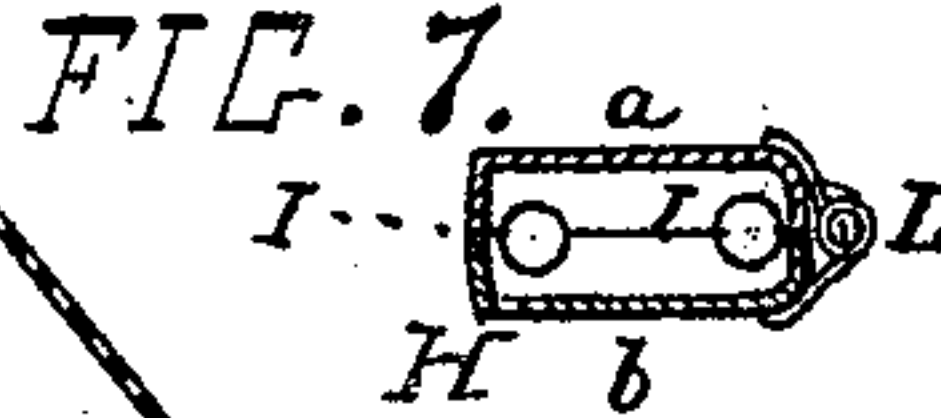
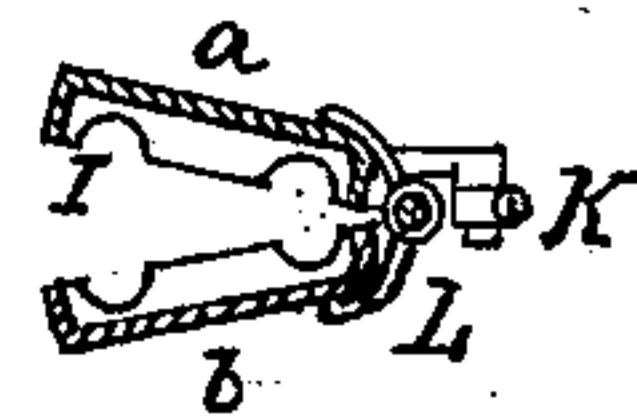


FIG. 2.

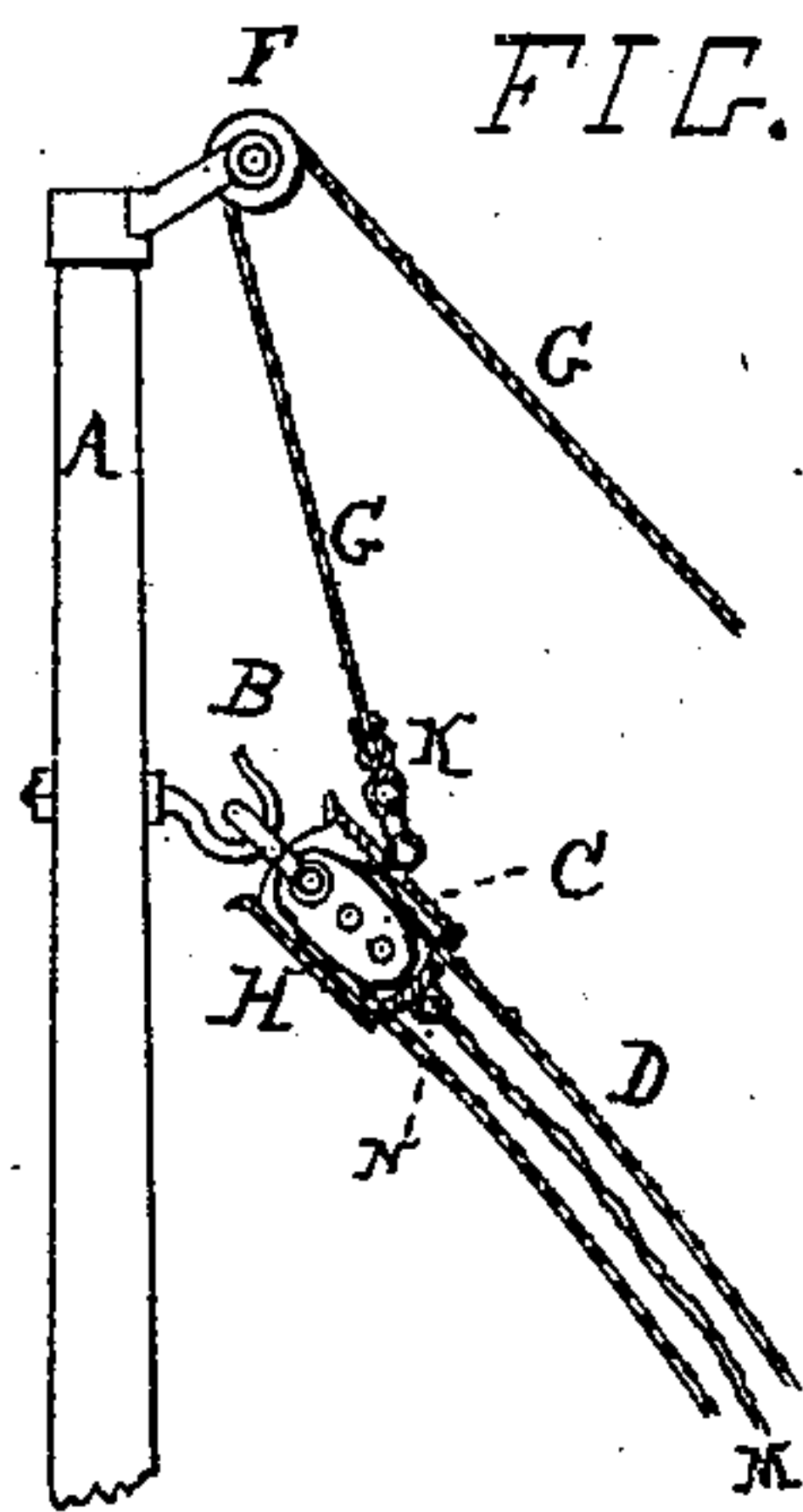


FIG. 3.

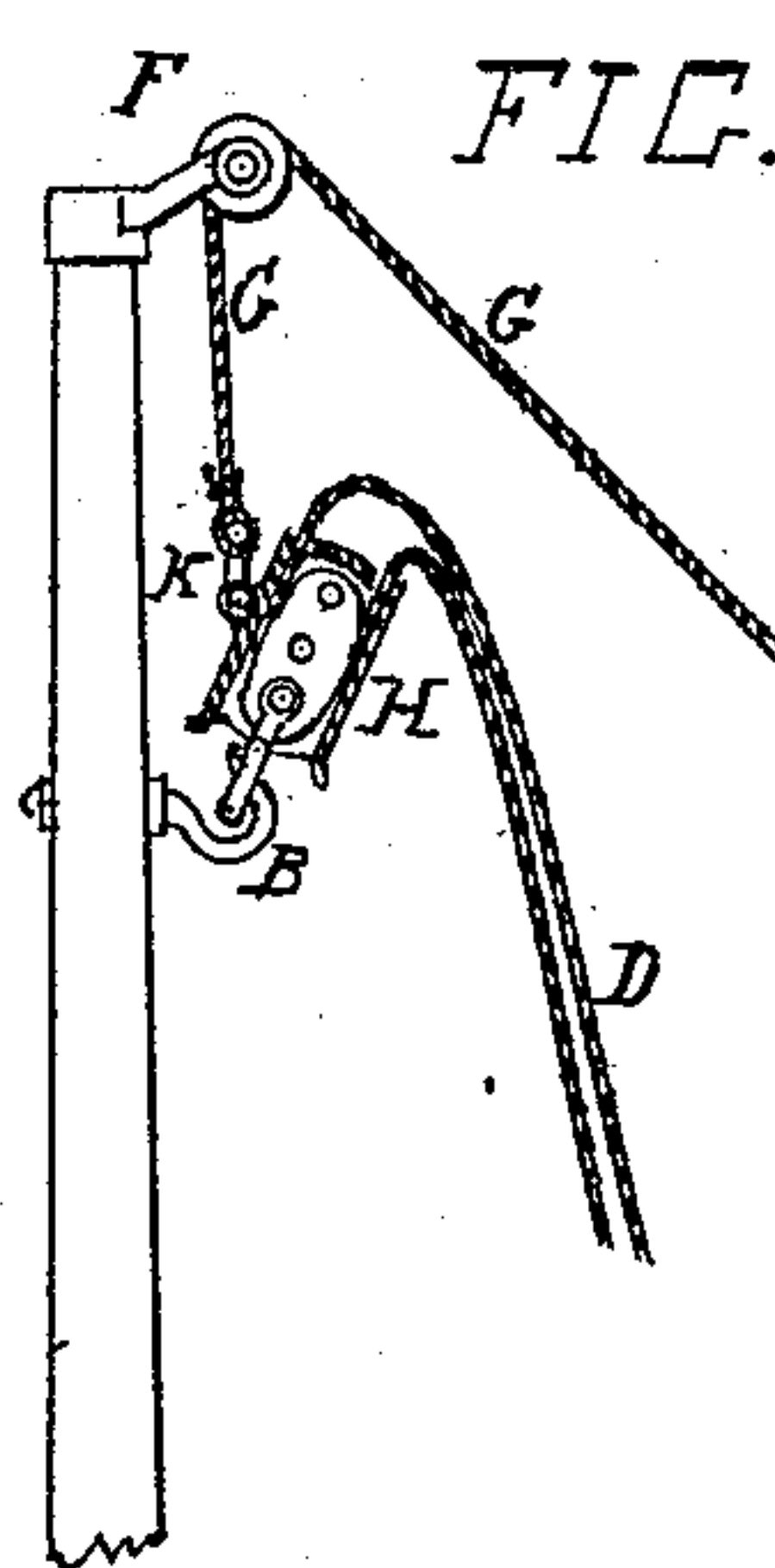
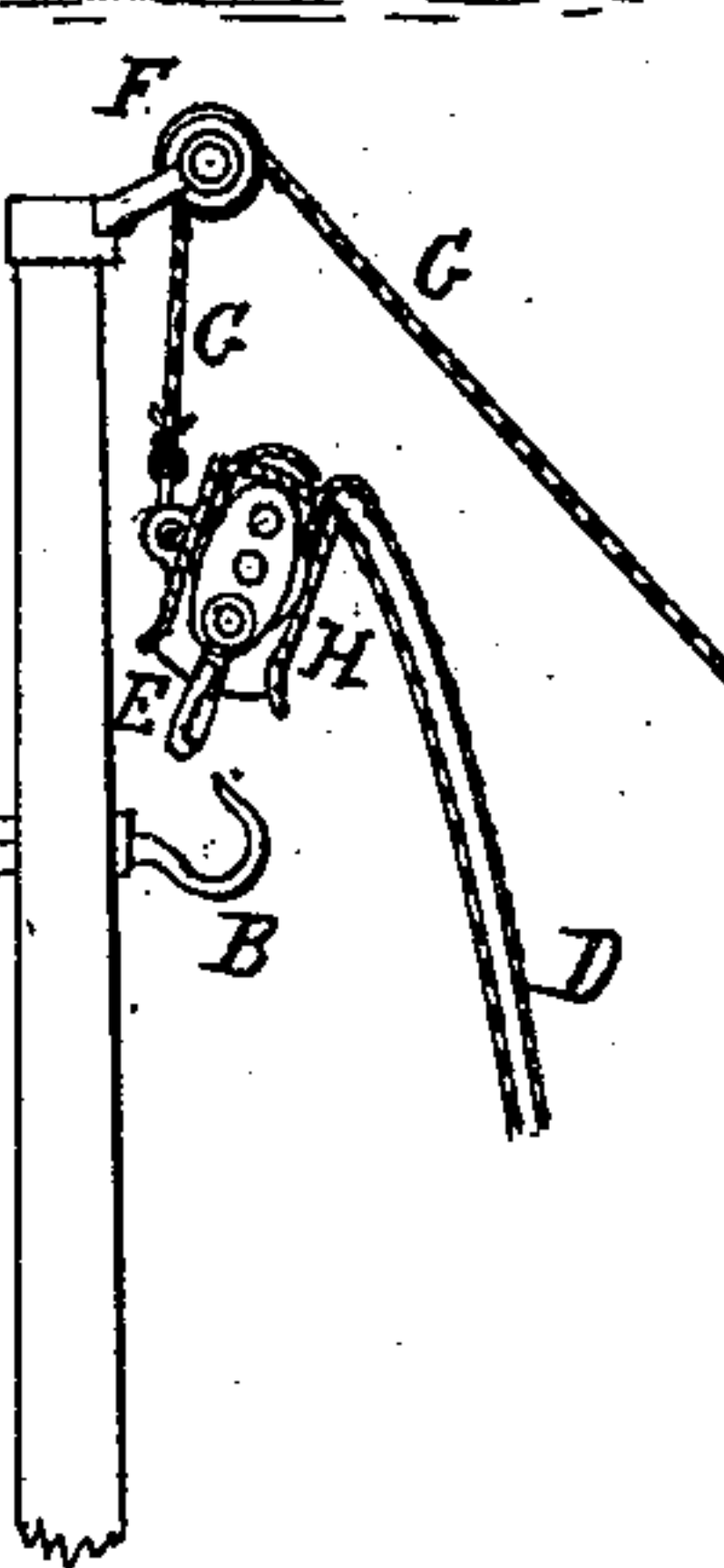


FIG. 4.



Witnesses
E. Reinhardt,
D. Boeklen

By Frank Joseph Schwarzkopf Inventor
Anton Schwarzkopf
Reinhold Boeklen Attorney

UNITED STATES PATENT OFFICE.

FRANK JOSEPH SCHWARZKOPF AND ANTON SCHWARZKOPF, OF BROOKLYN,
NEW YORK.

ROPE OR WASHLINE PULLEY-BLOCK HANGER AND REMOVING DEVICE.

SPECIFICATION forming part of Letters Patent No. 562,156, dated June 16, 1896.

Application filed January 3, 1895. Serial No. 533,709. (No model.)

To all whom it may concern:

Be it known that we, FRANK JOSEPH SCHWARZKOPF and ANTON SCHWARZKOPF, citizens of the United States, and residents of the city of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Rope and Washline Pulley-Block Hangers and Removing Devices, of which the following is a specification.

The object of this invention is to provide for conveniently hanging out and removing clothes-lines or washlines from elevated supports, as more fully hereinafter explained and specifically pointed out in the claims.

In the annexed drawings, Figure 1 represents a side elevation of the washline-pole provided with the usual suspension-hook to which the head pulley-block with the washline or rope is attached, and showing our improved traveling pulley-block case and rope attachment for placing on or removing the head pulley-block from its suspension-hook. Fig. 2 is a detached similar view of the upper part of the pole, the pulley-block case, shown in position, having passed over the head pulley-block. Fig. 3 is a similar view of the same, but showing the pulley-block raised for slipping from the suspension-hook. Fig. 4 is a similar view showing the position of the pulley-block just after having been detached from the suspension-hook. Fig. 5 is a detached side elevation of the pulley-block case on a larger scale than in the former views. Fig. 6 is a vertical central section of the same. Fig. 7 is a horizontal section of said case in position, being closed together. Fig. 8 is a similar view of the same, the case being shown opened to pass the rope within for guiding the same.

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

The reference-letter A indicates a pole or wall to which the hook or hooks B for the suspension of the head pulley block or blocks C is or are attached.

D represents the washline or rope passing over the sheave or pulley in the block C, and

E is the loop or eye on the upper end of said pulley-block. Above the hook B on the pole or wall is provided a single pulley or sheave F, over which a rope G is reeved.

H represents a metal traveling case constructed of a suitable length, and of proper cross-section to pass over the pulley-block, and receive the same in it, as shown. Its upper end is made flaring with an opening to pass readily over the block, and the bottom end is closed with exception of two openings in which the washline passes. This case is made of two vertical longitudinal sections *a* and *b*, which are hinged together on one side to open on the other opposite longitudinal side, as shown in Figs. 5 and 8, to admit the case to pass over the ropes, and for each rope is made an opening I in the bottom of the case to guide the case to travel to the pulley-block C above, as shown in Figs. 5, 6, 7, and 8.

J J are the hinges by which the sections of the case are attached together. A link K is pivoted to the case which has its loose end attached to the rope G. The secondary or loose end of the rope is held by the operator. On the same side with the hinges J J is provided a suitable wire spring L, pressing both sections of the case closed. To remove the washline and its head pulley-block, the bottom pulley-block may be allowed to remain at its fastening, or it may be made loose therefrom and held by the operator's foot, as shown in Fig. 1. The traveling case H is now opened, as shown in Fig. 8, and is placed over the two washlines, and then allowed to close over them, each to pass in the opening I provided. The case H being attached to the rope G by its link K, the operator in pulling the rope G causes the case H to travel and ascend over the ropes which guide it to follow, and in reaching the head pulley-block said case passes over it until its bottom rests against the block. The washline is now made loose or allowed to slip loose from the operator's foot. The rope G is now pulled farther and causes the head pulley-block to elevate, and finally to disengage with its loop E from the hook B, as shown in Figs. 3 and 4. The op-

erator now takes hold of the washline and releases on the rope G, and thereby brings the pulley-block C in its position to remove wherever desired by detaching the rope G
5 from the case H.

The top pulley F with the rope G is a provision supposed to be furnished by the landlord, and to be on the pole or wall all the time ready to be used by the tenant for putting
10 his washline to the pole or wall. To place a washline upon the pole, the tenant places the case H over the top pulley-block C. Its link K is secured to the rope G, and the washline D with the block C are raised by the rope G
15 until over the hook B, as shown in Fig. 4. The case H with the block C is now carefully lowered with the eye E over the hook B. As soon as the hook has entered the said eye the washline is pulled or stretched, and the rope
20 G allowed to drop, and the case H is lowered and is finally detached from the rope G. The bottom pulley-block of the washline is thereafter secured, and the washline is ready for use.

25 On the bottom of the case H is provided a loop N to which a rope M is attached, which serves the purpose of a guy-rope to direct the position of the case and the block C to have the eye E of the block entering properly over
30 the hook B or from it; and the rope M serves also to pull down the case H.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. A device for placing and removing washlines from their supports, the same consisting
35 of a case constructed in two parts, held normally together by a suitable spring, and adapted to receive the pulley-block and convey it to its suspension-hook, in combination with means for elevating said case, substantially
40 as specified.

2. A device for placing and removing the pulley-blocks of lines to and from elevated supports, the same consisting of a case constructed in two hinged parts, a spring where-
45 by the parts are held normally together, a link whereby the case may be connected to a line to elevate the same, the forward ends of the parts of the case being made flaring so as to pass over the sheave of the pulley-block,
50 in combination with means for raising and lowering said case, substantially as specified.

In testimony that we claim the foregoing as our invention we have signed our names, in presence of two witnesses, this 16th day of
55 December, 1894.

FRANK JOSEPH SCHWARZKOPF.
ANTON SCHWARZKOPF.

Witnesses:

LOUIS LONG,
JACOB L. LONG.