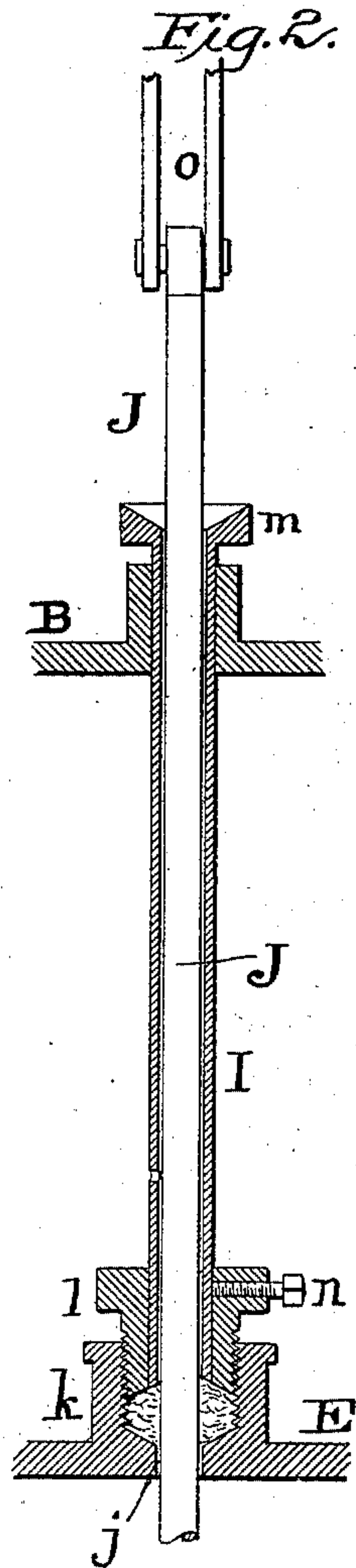
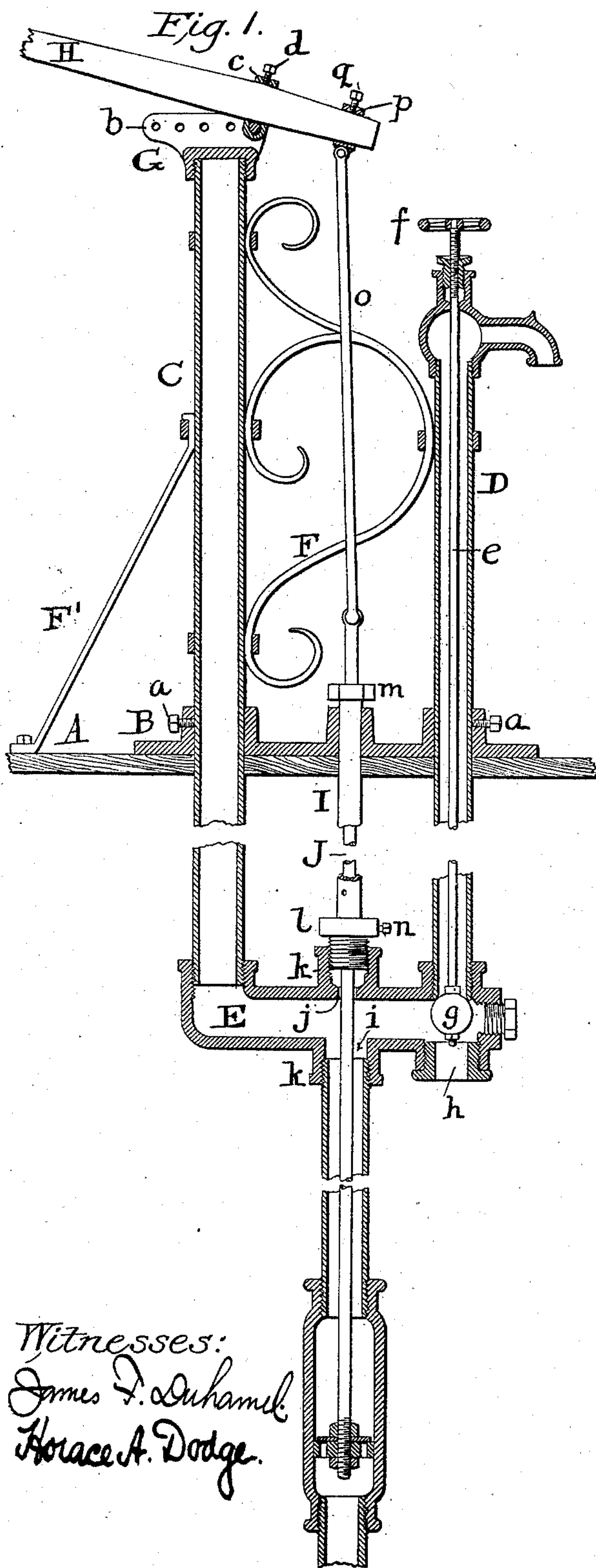


(No Model.)

C. W. CANFIELD.
PUMP.

No. 442,103.

Patented Dec. 9, 1890.



Witnesses:
James F. Duhamel
Horace A. Dodge.

Inventor:
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Attys.

UNITED STATES PATENT OFFICE.

CARLTON W. CANFIELD, OF WINTHROP, MINNESOTA.

PUMP.

SPECIFICATION forming part of Letters Patent No. 442,103, dated December 9, 1890.

Application filed May 7, 1890. Serial No. 350,891. (No model.)

To all whom it may concern:

Be it known that I, CARLTON W. CANFIELD, a citizen of the United States, residing at Winthrop, in the county of Sibley and State of Minnesota, have invented certain new and useful Improvements in Pumps, of which the following is a specification.

My invention relates to pumps; and it consists in various features and details, herein-
after set forth and claimed.

In the drawings, Figure 1 is a vertical sectional view of my improved pump, and Fig. 2 a detail view.

A indicates the platform; B, the base-plate; C, the standard, and D the discharge-pipe, the standard and discharge-pipe passing downward through the base-plate and platform, where they screw into the coupling-piece or connection E. The base-plate is flanged around the openings through which the pipes C D pass to receive set-screws *a*, by means of which the pipes are held in their proper adjusted positions. A brace F extends from the standard to the discharge-pipe, while a second brace F' extends from the standard to the platform.

Fitting upon the upper end of the standard C is a cap G, having a perforated flange or flanges *b*, to which is pivoted a loop or eye *c*, to which the lever or handle H is adjustably secured by a set-screw *d*, as shown in Fig. 1.

By making the lever or handle adjustable through or relatively to its eye or loop and providing the flange on the cap with a series of perforations I secure a greater range of adjustment than has heretofore been secured.

Passing vertically through the discharge-pipe D is a rod *e*, carrying at one end a hand-wheel *f* and at the other end a ball or valve plug *g*, as shown in Fig. 1, and in line with the rod or stem *e* the coupling E is provided with a discharge-outlet *h*, through which water is passed when the ball or plug is to its seat. At a point between its ends the coup-

ling-section E is provided with two openings *i* and *j* in line with each other, the lower opening *i* being the inlet, and surrounding each of these openings is a flange or collar *k*. Screwing into the upper collar *k* is a packing-gland *l*, which is carried at the lower end of a tube or sleeve I, the said tube or sleeve having at its upper end an angular head or collar *m*, by which it may be turned, while it is connected at its lower end to the packing-gland by means of a set-screw *n*, as shown in both figures. Passing through the sleeve or tube I is the pump-rod J, which, as shown in Fig. 1, is connected at its upper end with a rod or link *o*, which latter is in turn connected to an adjustable eye or loop *p*, held in place upon the handle or lever by a set-screw *q*.

Now when it is desired to adjust the packing around the piston-rod J, it is not necessary to dismantle the various parts or to descend into the well, but merely to turn the sleeve or tube I and with it the gland *l*.

The pump herein shown and described is cheap, simple, and strong, and will be found to wear well. The tube I provides the staying or bracing of the rod J. It also provides the carrying of oil to the packing-gland *l*. By this means the gland can be kept well oiled from above, thereby giving the packing indefinite duration over any other.

Having thus described my invention, what I claim is—

In a pump, the combination, with the coupling-section E, having a collar *k*, of the tube I, having at its upper end an angular head and at its lower end a packing-gland, and a piston-rod passing through the tube.

In witness whereof I hereunto set my hand in the presence of two witnesses.

CARLTON W. CANFIELD.

Witnesses:

E. A. CAMPBELL,
ED. H. HUEBNER.