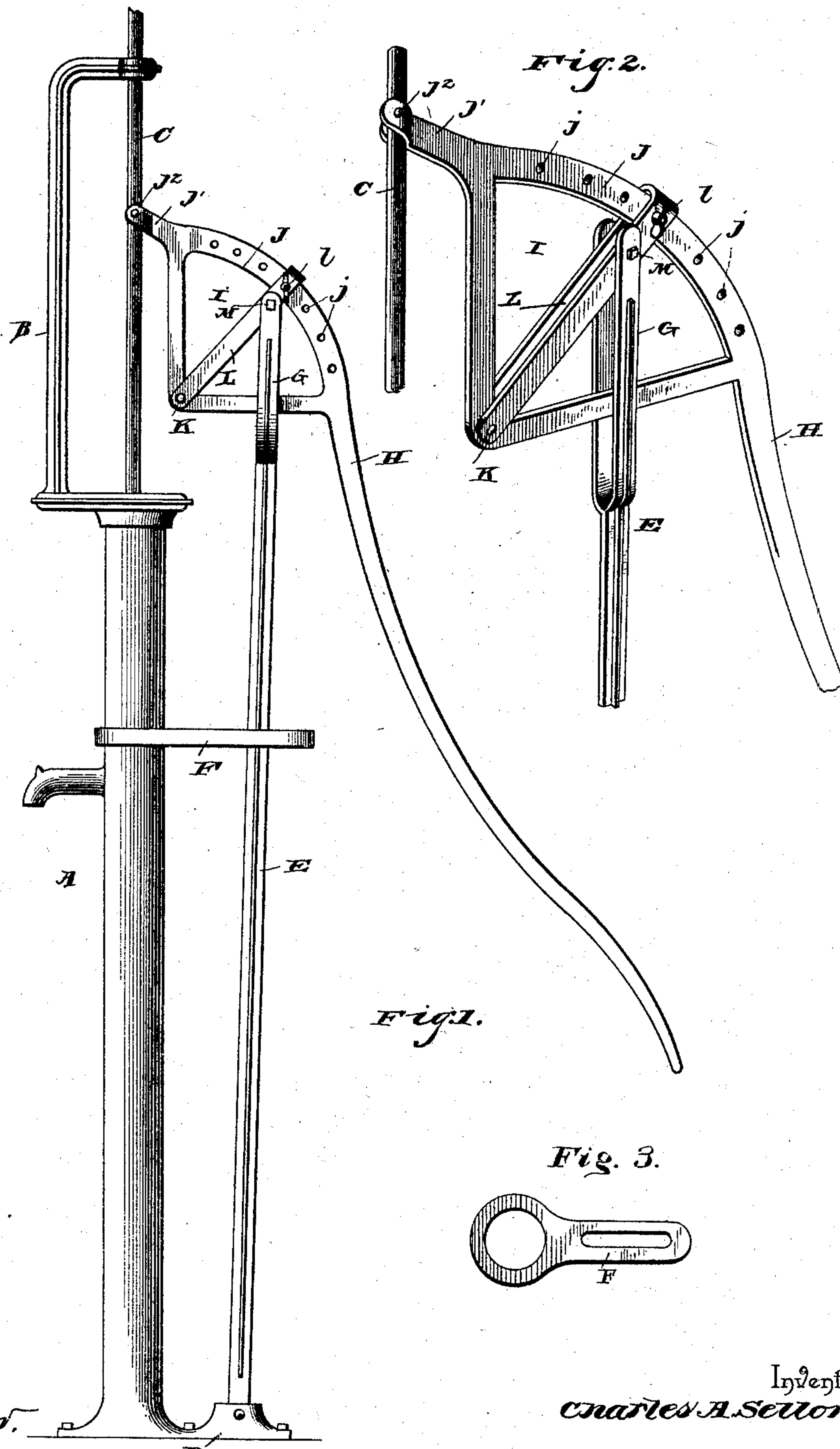


(No Model.)

C. A. SELLON.
PUMP HANDLE.

No. 476,082.

Patented May 31, 1892.



Witnesses.

B. S. Ober.

D. P. Holthaus.

By his Attorneys,

Charles A. Sellon

UNITED STATES PATENT OFFICE.

CHARLES A. SELLON, OF PIKE, NEW YORK.

PUMP-HANDLE.

SPECIFICATION forming part of Letters Patent No. 476,082, dated May 31, 1892.

Application filed February 15, 1892. Serial No. 421,594. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. SELLON, a citizen of the United States, residing at Pike, in the county of Wyoming and State of New York, have invented a new and useful Pump-Handle, of which the following is a specification.

This invention relates to pump-handles; and it has for its object to provide an improved pump-handle attachment adapted to be attached to any suitable pump, and one which, while exerting the requisite leverage, may be adjusted to make any length of stroke desired, according to the option of the person using the same.

To this end it is the main object of this invention to provide a device of this character which, while simply adjusted to meet the exigency of the case, at the same time is simple in construction and avoids the use of unnecessary parts.

With these and many other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a pump and pump-handle connected thereto constructed in accordance with this invention. Fig. 2 is a detail perspective view of the pump-handle and a portion of the pivoted bearing-standard connected therewith. Fig. 3 is a detail view of the slotted guide.

Referring to the accompanying drawings, A represents a pump of ordinary construction and supporting the guide-arm B, arising above the same, and receiving the pump-rod C, reciprocating in said pump. Pivoted to the base of the pump at D is the swinging bearing-standard E, working through the slotted guide F, secured to the body of the pump and extending to one side of the same, and said standard projects above the top of the pump and terminates in an upper bifurcated end G, which receives the adjustable pump-handle H, mounted therein, as will be noted. The said pump-handle terminates in a quadrant-adjusting head I. The arc J of said quadrant is provided with a series of adjusting perforations j and terminates at one end op-

posite to the terminal of the handle portion proper in a short arm j' , which is pivotally connected to the pump-rod at j^2 between the bearing of the arm G and the top of the pump. Pivoted to the center K of the quadrant is the U adjusting-link L, which straddles the arc J of the quadrant, and is adjusted thereover and held in any position desired by means of the pin l , passing there-through and any one of the series of perforations j in said arc, whereby a long or short stroke is obtained, as desired. A pivot-bolt M passes through the upper bifurcated end G of the swinging bearing-standard E and through the circumferentially-adjustable link L a short distance below the adjusting-pin l and forms the fulcrum or pivotal point for the quadrant-head, which works in the upper bifurcated end of the swinging bearing-standard E, which readily gives to the movement of the pump-handle. It will be readily seen that by moving the circumferentially-adjustable clevis L toward the pump-rod and securing the same in such position a comparatively short stroke may be obtained, whereby a woman or child may easily operate the same; and, on the other hand, by adjusting the same away from the pump-rod a correspondingly long stroke may be had. When the handle proper is raised until the clevis L is in a line with the standard E, the weight of the quadrant-head and the pump-rod rests upon the pivot-bolt of said clevis at the center K of the quadrant, which thus allows the adjusting-pin l to be readily removed and the handle swung in any position desired, while said clevis is still vertical to make the requisite adjustment, according to the length of stroke desired.

Although it is illustrated and has been specifically described that the pump-handle terminates in a quadrant-head, nevertheless it will be apparent that any sector of a circle would accomplish precisely the same function as a quadrant-head, or one quarter of a circle. The best adjustment is obtained by the use of a head of this size; but a sector greater or less than a quadrant may be as advantageously employed, varying, of course, at the option of the manufacturer and size of pump to be operated.

It is now thought that the construction, op-

eration, and many advantages of the herein-described pump-handle are apparent without further description.

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

1. In a pump-handle, the combination, with the pump-rod and an adjacent bearing-standard, of an adjustable pump-handle terminating in a sector-head connected to said pump-rod, and a circumferentially-adjustable link connected with said quadrant and said bearing-standard, substantially as set forth.

2. In a pump-handle, the combination, with the pump-rod and an adjacent bearing-standard, of an adjustable pump-handle terminating in the sector-head, connected at one end of the arc to said pump-rod, and a link pivoted to the center of the quadrant and circumferentially adjustable over the arc thereof and pivotally connected with said standard, substantially as set forth.

3. In a pump-handle, the combination, with

the pump-rod, of an adjacent bearing standard pivoted at its lower end and terminating in an upper bifurcated end, an adjustable pump-handle terminating in a quadrant-head, working in said bifurcated standard end, said head being connected at one end of the arc to said pump-rod and provided with a series of perforations in the arc thereof, a link pivoted to the center of the quadrant and circumferentially adjustable over the arc, an adjusting-pin engaging the outer end of the link in any one of the series of perforations, and a pivot-bolt passing through the bifurcated end of said standard and the circumferentially-adjustable link, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHARLES A. SELLON.

Witnesses:

MORRIS H. GORTON,

CLAYTON A. METCALF.