

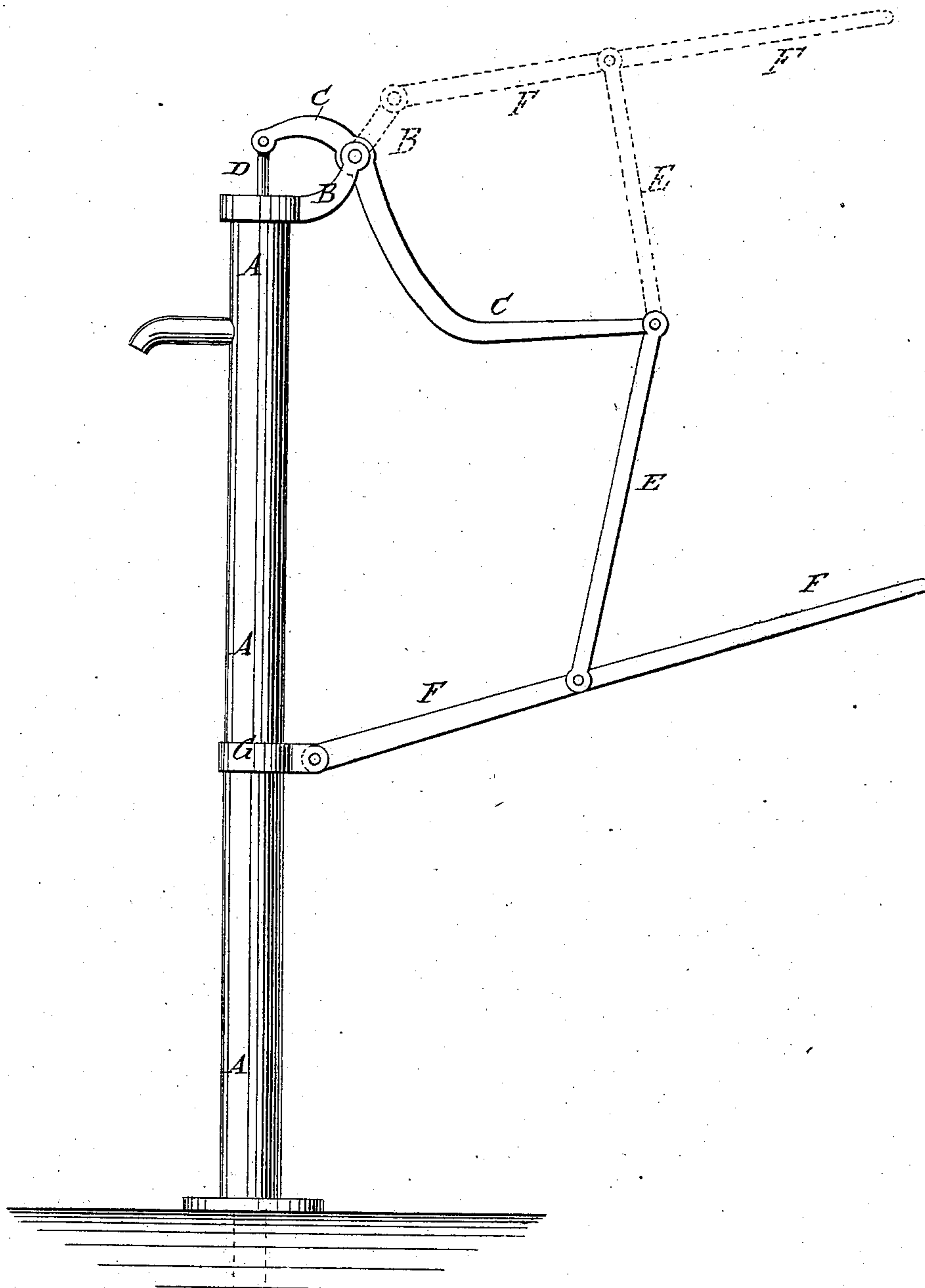
(No Model.)

J. A. CRAIG.

PUMP HANDLE.

No. 299,748.

Patented June 3, 1884.



WITNESSES:

*Chas. Nida*  
*Co. Sedgwick*

INVENTOR:

*J. A. Craig*  
BY *Munn & Co*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JAMES ALEXANDER CRAIG, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR  
TO HIMSELF AND ELIZABETH EDITH BURGESS, OF MERCHANTVILLE,  
NEW JERSEY.

## PUMP-HANDLE.

SPECIFICATION forming part of Letters Patent No. 299,748, dated June 3, 1884.

Application filed November 21, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES ALEXANDER CRAIG, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Pump-Handles, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, and which is a side elevation of my improvement.

The object of this invention is to enable water to be raised by hand-power from very deep wells by means of ordinary pumps.

The invention consists in the construction and arrangement of parts, as will be hereinafter fully described and claimed.

A represents the stock of an ordinary pump. To the upper end of the pump-stock A is attached, or upon it is formed, a bracket or arm, B, to which is pivoted the handle C. To the forward end of the handle C is pivoted the upper end of the piston-rod D. The pump-handle C projects, or is bent outward, and to its outer end is pivoted the end of a connecting-rod, E, the other end of which is pivoted to the lever F. The inner end of the lever F

is pivoted to a band, G, or other support attached to the pump-stock A.

In the modification shown in dotted lines the inner end of the lever F is pivoted to an upward extension of the bracket or arm B, and the connecting-rod E and lever F are placed above the handle C. The outer end of the lever F projects into such a position that it can be readily reached and operated.

With this improvement such an advantage of leverage is obtained that water can be raised from wells so deep that it could not be raised with ordinary pumps.

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

The pump-stock A, provided at its upper end with a bracket, B, and at or near its center with a band, G, in combination with the pump-handle C, pivoted to said bracket and to the piston-rod D, a lever F, pivoted at the band G, and a connecting-rod, E, pivoted to the outer end of the pump-handle and to the center of the lever F, substantially as set forth.

JAMES ALEXANDER CRAIG.

Witnesses:

EDWARD H. NEELY,  
ROBERT W. CRAIG.