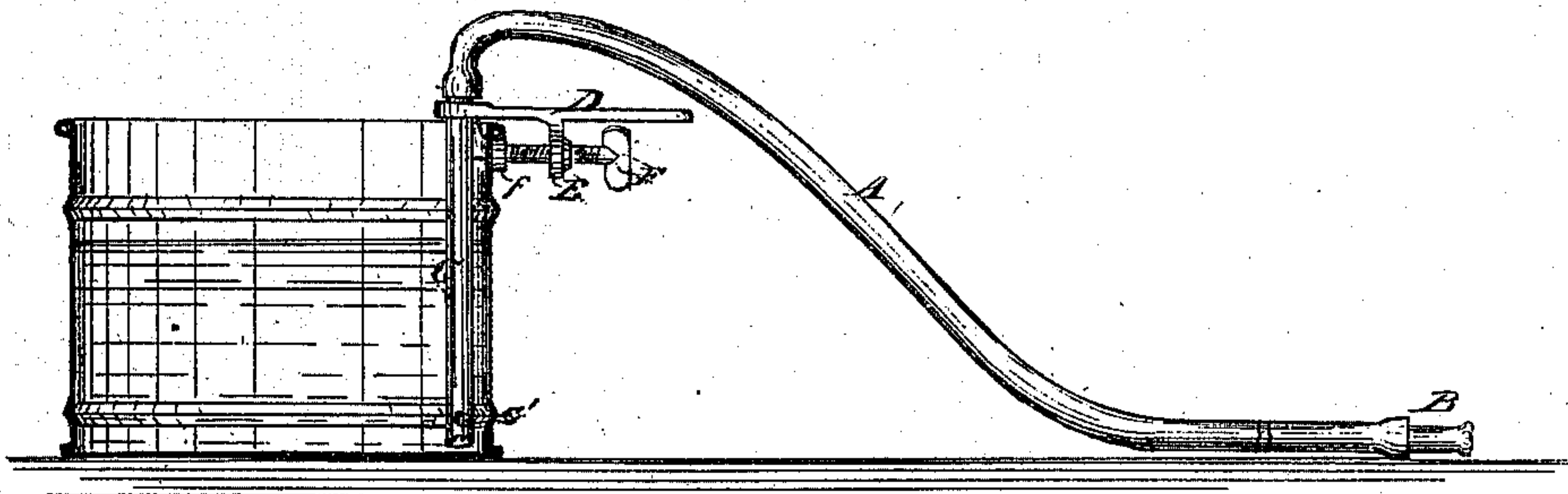


*E. Chapin,*

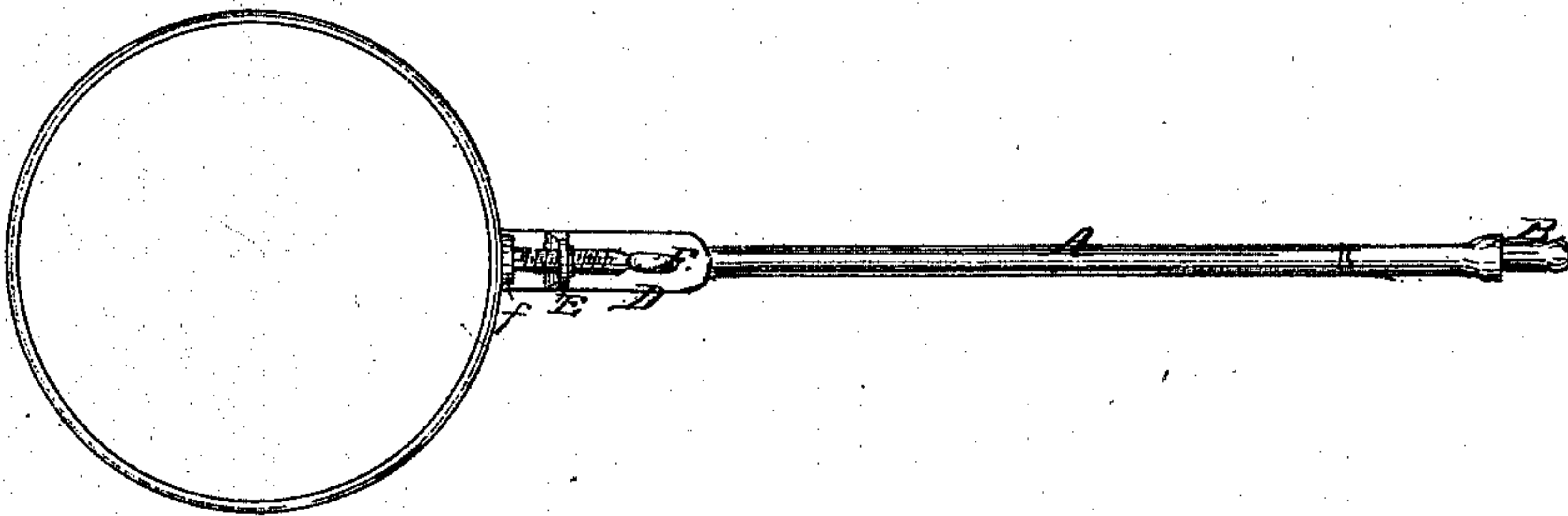
*Drinking Tube.*

*No. 103299.*

*Patented May 24. 1870.*



*Figure 1.*



*Figure 2.*

*Witnesses.*

*Inventor.*

*William H. Herchel*

*Eugene Chapin*

*Robert Burns*



# United States Patent Office.

EUGENE CHAPIN, OF ST. LOUIS, MISSOURI.

*Letters Patent No. 103,299, dated May 24, 1870.*

## IMPROVEMENT IN DRINKING-TUBES FOR INVALIDS.

The Schedule referred to in these Letters Patent and making part of the same

*To all whom it may concern:*

Be it known that I, EUGENE CHAPIN, of St. Louis, in the county of St. Louis, and State of Missouri, have invented a new and useful Improved Drinking-Tube for Invalids; and I do hereby declare that the following is a full and true description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The usual modes of giving to sick persons fluid medicines, and food are productive of serious inconvenience.

The invalid is compelled to change from a reclining to a sitting posture, and then, in drinking, the fluids frequently spill, and wet or soil the bedding or clothing of the patient, causing discomfort and even injury. Usually, in drinking from larger vessels, the aid of the attendant or nurse is necessary, which, while it increases the conditions of dependence of the patient upon others, is otherwise objectionable for reasons of economy.

To avoid said disadvantages, and to place within control of the patient (if such be desirable) the supply of his drink or fluid medicine, I have arranged a tube with suitable mouth-piece and proper influent-pipe and attachment bracket, so that the said tube may readily be connected to the vessel containing the fluid, and whilst said vessel will be placed conveniently in proximity to the patient, yet the same may not be in such position as to cause inconvenience or damage to the patient if the fluid be spilt or wasted.

To enable those herein skilled to make and use my said invention, I will now more fully describe the same, referring herein to the accompanying—

Figure 1, as a general elevation of the tube as attached to a vessel containing water or other fluid, the vessel being shown in section; and to

Figure 2 as a bottom plan.

I use a tube A, usually of rubber, but the same may be of any other material of suitable flexibility. Said

tube will be arranged with a proper mouth-piece B, this being so formed as to be readily retained in the mouth.

At the supply end of the tube, the same connects with the influent pipe C, usually metallic, but admissibly also of other material. The pipe C has a closed bottom *c* and a side inlet opening *c'*, at some distance above the bottom end *c*. By this means the inflow of sediment is prevented, and the influent opening is preserved open.

The pipe C connects with a horizontal arm D, which has a vertical shank E; the latter forms the nut for the thumb-screw F, which is provided with a rubber or other washer end, *f*.

The tube is connected with the vessel containing the fluid, by placing the influent pipe C into the vessel vertically, so that the side of the vessel shall come between said pipe C and the washer ended screw F; then, by setting the screw up tight against the outside of the vessel, a firm support is obtained. By thus clamping the vessel side between the pipe C and the screw F, a very simple connection has been achieved, which is secure in its adjustment, and may nevertheless be readily disjointed.

The patient draws the fluid through the tube A in the manner readily understood.

Having thus fully described my invention,

What I claim is—

The tube A and its influent pipe C, arranged with the opening *c'* and closed bottom *c*, combined with the arm D, shank E, and thumb-screw F, substantially as and for the purposes above set forth.

In testimony of said invention, I have hereunto set my hand in presence of witnesses.

EUGENE CHAPIN.

Witnesses:

WILLIAM W. HERTHEL,  
ROBERT BURNS.