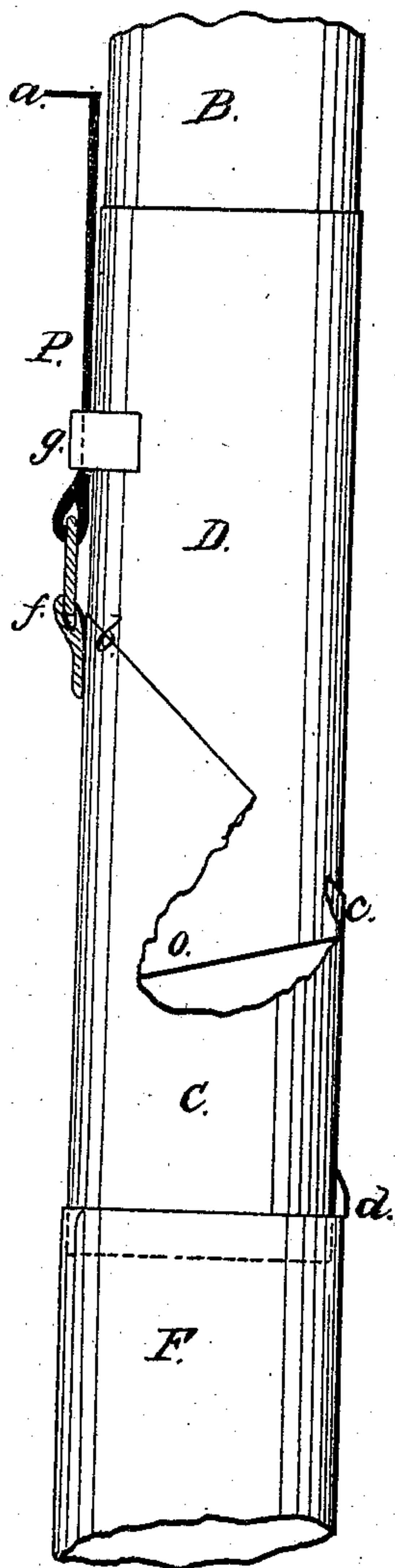


# *E. Fleming.* *Spout Elbow.*

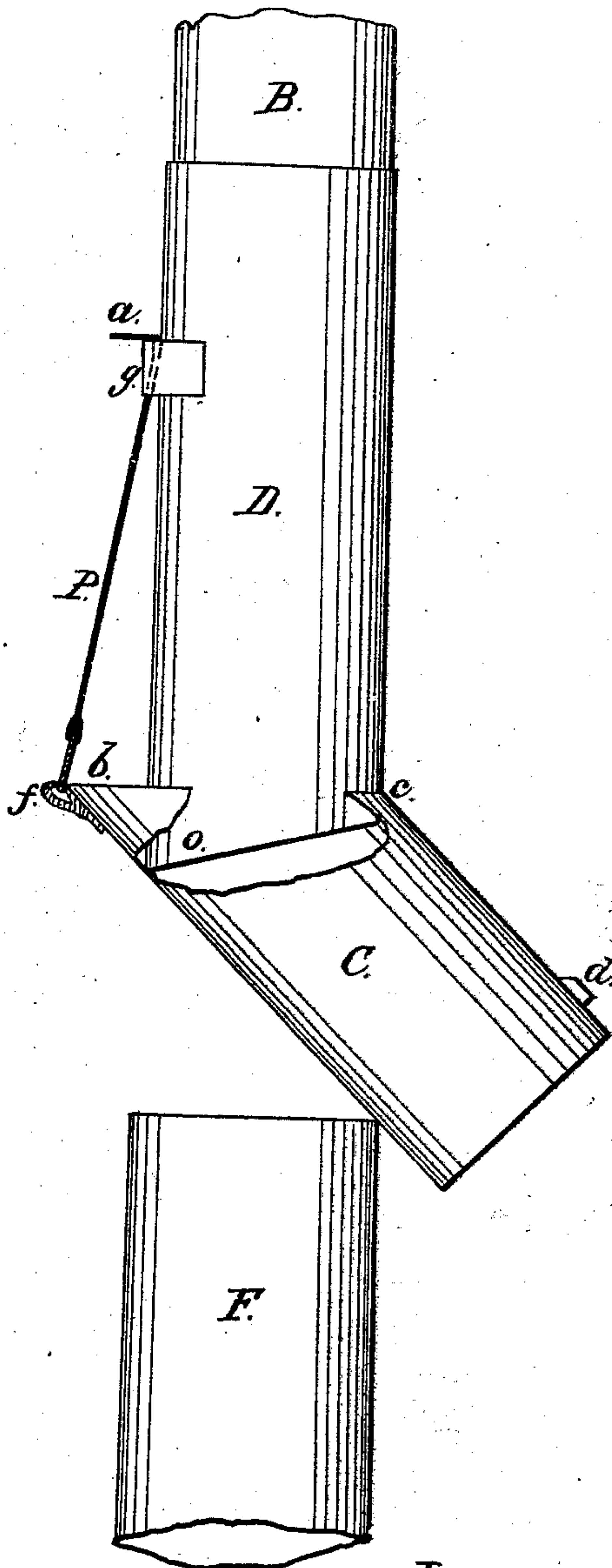
*N<sup>o</sup> 93,694.*

*Patented Aug. 17, 1869*

*Fig. 1.*



*Fig. 2.*



*Witnesses,*

*De Tolson Wood  
Jacob Heffer*

*Inventor.*

*Edward Fleming.*

# United States Patent Office.

EDWARD FLEMING, OF ANN ARBOR, MICHIGAN, ASSIGNOR FOR ONE-HALF TO G. J. PEASE, OF SAME PLACE.

*Letters Patent No. 93,694, dated August 17, 1869.*

## IMPROVEMENT IN RAIN-WATER CUT-OFFS.

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

Be it known that I, EDWARD FLEMING, of the city of Ann Arbor, in the county of Washtenaw, and State of Michigan, have invented a new and improved Flexible Adjustable Elbow; and I do hereby declare that the following is a full and exact description thereof, reference being had to the annexed drawings, making a part of this specification.

The object of my invention consists in providing an easy and convenient mode of changing the course of the water from the conductor which leads from the roof of a building to the cistern, so that it shall flow off one side, and not enter the cistern by the main conductor. This I do by a flexible adjustable elbow, which I now proceed to explain, so that others skilled in the art to which it pertains may understand its construction and use.

Figure 1 shows the device in position for conducting the water to the cistern, and

Figure 2 shows it in position for conducting it aside.

D is the upper part of the elbow, and is so made as to slide freely over the main conductor B.

The lower end of the piece D, at O, is bevelled, as if to form an elbow of the desired angle, so that when the piece C, which forms the lower part of the elbow, is placed at the desired angle, the two pieces about O will be nearly water-tight.

The piece C is so made as to slide freely over the piece D, and into the main conductor F, but is prevented from entering the latter too far by a small projection, *d*, which, in fig. 1, rests upon the top of the piece F.

The bevel *b c*, which forms the upper end of the piece C, is cut at a greater angle than is necessary for a rigid elbow, so that when the piece is put in position for conducting the water aside, the upper end, at *b*, shall project upward and beyond the lower end of the tube D, so as to retain any water which might otherwise escape between O and C.

The lower end of C is retained at the proper angle by simply resting on the upper end of the tube F, while the upper end of C is retained by a strap or rod, P, which is attached to C, at *f*, and which is held at its upper end by the projection *a* resting upon the eye *g*.

The strap or rod P passes freely through the eye *g*, so as not to prevent the tube C from freely moving upon D for the length of the rod P.

The eye *g* also prevents the tube D from sliding too far into the tube C, as shown in fig. 1.

By sliding the tube D upward on the tube B, it leaves the tube C free to be placed at an angle, or in line with the tube D, as desired.

What I claim as new, and desire to secure by Letters Patent, is—

The flexible adjustable elbow, consisting of the tubes C and D, with joint and slide, all substantially as described.

EDWARD FLEMING.

Witnesses:

DE VOLSON WOOD,  
JACOB HEFFER.