

No. 665,595.

Patented Jan. 8, 1901.

W. E. CASE.
VALVE.

(Application filed May 25, 1899. Renewed Dec. 5, 1900.)

(No Model.)

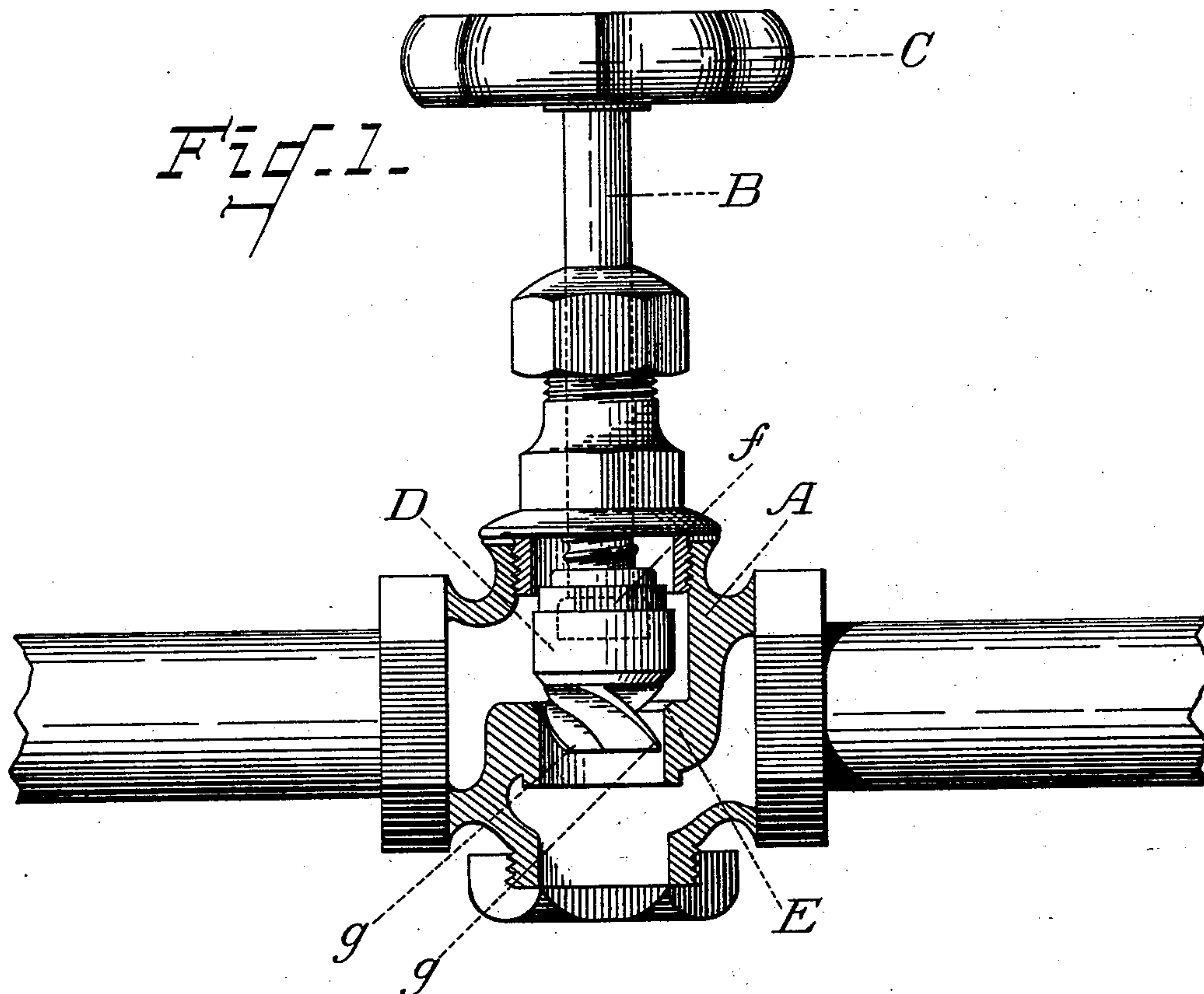
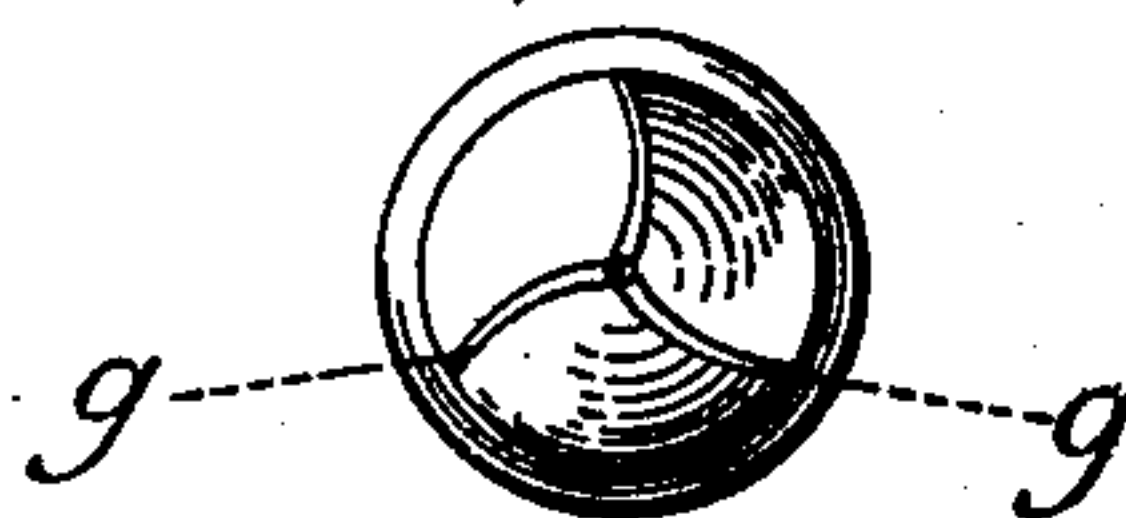


Fig. 2.



Witnesses:

Henry Calver

L. M. Tinsley

Inventor:

Willard Erastus Case

by Frederick I. Allen

Attorney.

UNITED STATES PATENT OFFICE.

WILLARD ERASTUS CASE, OF SCIPIO, NEW YORK.

VALVE.

SPECIFICATION forming part of Letters Patent No. 665,595, dated January 8, 1901.

Application filed May 25, 1899. Renewed December 5, 1900. Serial No. 38,794. (No model.)

To all whom it may concern:

Be it known that I, WILLARD ERASTUS CASE, a citizen of the United States, and a resident of the town of Scipio, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Valves, of which the following is a specification.

This invention relates to valves; and it consists in a new construction and arrangement of the parts by which the wear upon the valve-seat is made uniform and leakage prevented.

In the drawings, Figure 1 is a side view, partly in section, of a valve embodying my invention; and Fig. 2 is a bottom view of the valve.

In the drawings, A represents the body of the valve; B, the valve-stem; C, the operating-handle therefor; D, the valve, and E the valve-seat.

A swivel-joint *f* is interposed between the

valve and its stem B, and beneath the valve D is placed a spiral plate or plates *g g*, secured thereto, against which the column of water impinges in passing through the valve, causing the valve D to revolve as it is pressed downward and is about to engage with its seat E. By means of this revolving motion the wear upon the face of the valve-seat is equally distributed and caused to be uniform, so that the tendency to become worn and leaky is avoided.

What I claim is—

The combination of the valve-stem, B, of the valve, D provided with the swivel-joint, *f*, the spiral plate or plates, *g, g*, and the valve-seat, E.

WILLARD ERASTUS CASE.

Witnesses:

ROLAND L. JANES,
FREDERICK I. ALLEN.