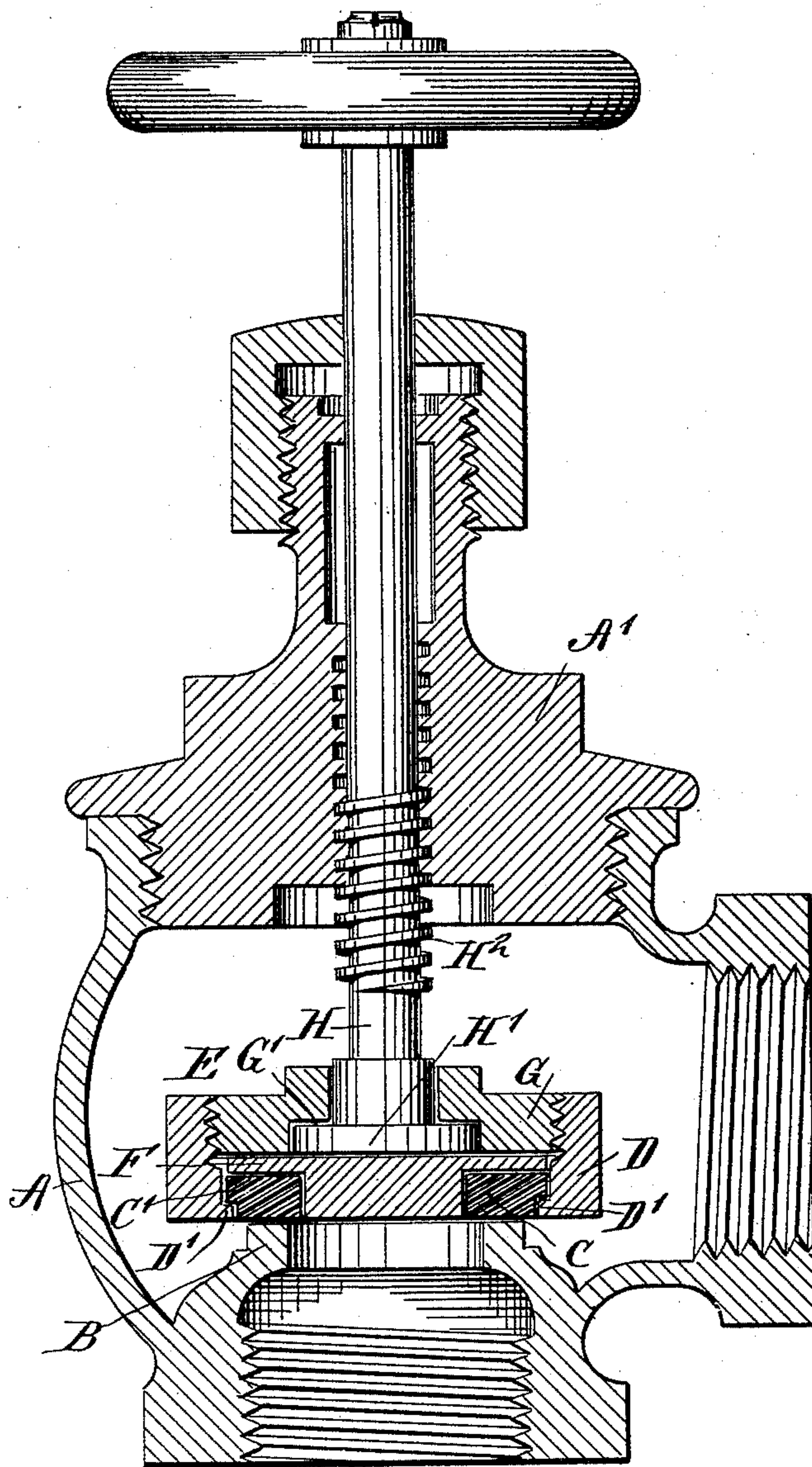


(No Model.)

J. W. RANDALL.
DISK HOLDER FOR VALVES.

No. 485,984.

Patented Nov. 8, 1892.



WITNESSES:

Chas. Viola.
C. Sedgwick

INVENTOR

J. W. Randall
BY *Munn & Co.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN W. RANDALL, OF NEW YORK, N. Y.

DISK-HOLDER FOR VALVES.

SPECIFICATION forming part of Letters Patent No. 485,984, dated November 8, 1892.

Application filed July 1, 1892. Serial No. 438,688. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. RANDALL, of the city, county, and State of New York, have invented a new and useful Improvement in
5 Valves, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved valve which is simple and durable in construction, arranged to leave the
10 seat-opening totally unobstructed when the valve is unseated, and to prevent the fastening device for the valve from accidentally becoming loose or detached.

The invention consists of certain parts and
15 details and combinations of the same, as will be hereinafter described, and then pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification,
20 in which the figure is a vertical central section of the valve with my improvements applied.

A is the valve-body formed with the raised valve-seat B, on which the closing-ring C of the valve E is adapted to be seated. This
25 ring C seats on the inwardly-extending annular flange D' of the casing D, being provided with a peripheral flange C' to rest on said flange D'.

In order to hold the ring C in position, a

metallic disk F is placed thereon, said disk 30 being provided on its under side with a circular boss F' entering the ring C.

The casing D is internally threaded to engage the externally-threaded centrally-apertured cap G, the lower face of the cap having
35 a recess G' concentric with its aperture to receive the head H' on the lower end of the valve-stem H and form a swivel connection. The valve-stem is provided, as usual, with threads H², engaging the threaded cap A'. 40

The ring C is preferably formed of what is commonly known in the trade as "black-lead disks."

Having thus described my invention, what I claim is— 45

The combination, with a valve-casing formed at its lower end with an inwardly-extending annular flange, of a ring seated on said casing-flange, a metal disk on top of the said ring and provided with a projection fit-
50 ting into the said ring, and a cap screwing in the casing on top of the said disk, substantially as set forth.

JOHN W. RANDALL.

Witnesses:

THEO. G. HOSTER,
E. M. CLARK.