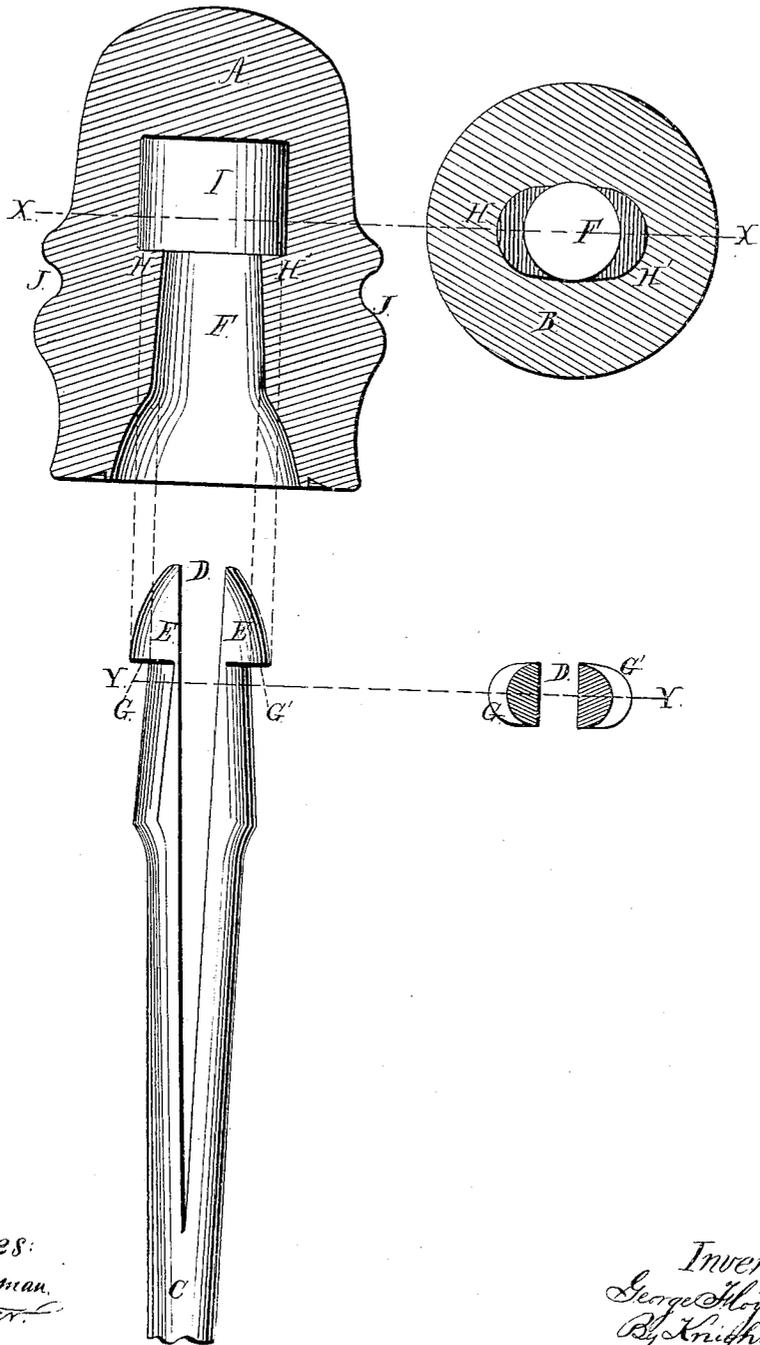


G. FLOYD.
INSULATOR.

No. 64,654.

Patented May 14, 1867.



Witnesses:
Ans. H. Layman.
J. H. Hutton.

Inventor:
George Floyd
By Knight Bros.
attorneys.

United States Patent Office.

GEORGE FLOYD, OF CINCINNATI, OHIO.

Letters Patent No. 64,654, dated May 14, 1867.

IMPROVEMENT IN INSULATORS.

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

TO WHOM IT MAY CONCERN:

Be it known that I, GEORGE FLOYD, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a new and useful Insulator; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

The object of this invention is a construction of glass-insulating bulb and its shank, which enables the ready renewal of the former when broken, or of its temporary removal and replacement for any purpose.

A is an axial section, and B a horizontal section, at the line X X of my glass insulator; D, a transverse section at the line Y Y of my shank, which shank may be of brass, steel, or iron, and be parted, D, at the top, and terminate in two similar tapering heads, E E', adapted for insertion up the axial aperture F of the insulator proper, and having shoulders G G', adapted to engage over ledges H H', forming the bottom of the enlarged termination or chamber I of said aperture. The chamber I and bevelled head E E', being oblong in their transverse section, effectually prevent any rotation of the bulb upon its shank, and hold it firmly in position for the application of the telegraph wire, for which the customary groove J is provided. The aperture F flares or expands outwardly for the double purpose of facilitating the admission of the shank in the act of insertion, and of permitting of the application of a vise or pair of pincers to compress together the two heads E E' so as to enable the removal of a cracked or otherwise imperfect insulator.

I claim herein as new, and of my invention—

The chambered insulator, provided with ledges H H', approached by a flaring aperture, F, in the described combination, with the two-parted and shouldered shank, the said shank and chamber being oblong in their horizontal section, all substantially as set forth.

In testimony of which invention I hereunto set my hand.

GEO. FLOYD.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.