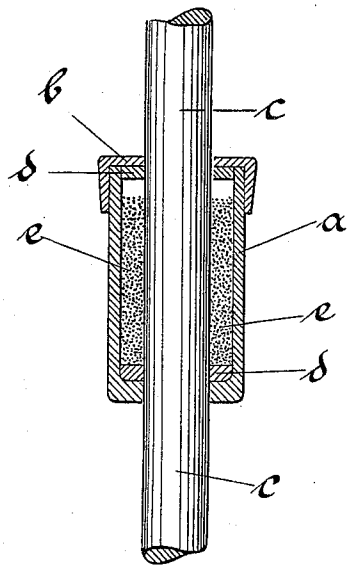
(No Model.)

A. POULSEN.

ELECTRIC ARC LAMP.

No. 590,670. Patented Sept. 28, 1897.



Witnesses.
Adam Thomsen.
Julius Hansen

Inventor.
Alfred Poulsen.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ALFRED POULSEN, OF BUFFALO, NEW YORK.

ELECTRIC-ARC LAMP.

SPECIFICATION forming part of Letters Patent No. 590,670, dated September 28, 1897.

Application filed July 29, 1897. Serial No. 646,351. (No model.)

To all whom it may concern:

Be it known that I, ALFRED POULSEN, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have made a new and useful Improvement in Electric Contacts, of which the following is a full, clear, and exact description.

The improvement relates to sliding contacts as used in different electric apparatus, and especially in arc-lamps, substantially as shown in the annexed drawing, making part of this specification.

c represents a metal rod which can be moved in its own axis or revolved about same and to which the current shall be transferred. The rod passes through a barrel *a*, to which the current can be conveyed through a rigid joint. The inside space between the barrel *a* and the rod *c* is filled with small particles *e* of a good conducting material, such as copper, which by gravity will fall together and produce a good contact between said two bodies.

d represents rings of asbestos packing, which will prevent the small particles *e* from working out between *a* and *c*.

A cover C, fitting tight to *a*, will prevent the particles *e* and packing *d* from falling out when in horizontal position or by being turned upside down. At the same time it will act as a guide for the rod *c*.

I claim—

The combination, in an electric contact for sliding or rotating rods in arc-lamps, consisting of a barrel with cover, having rings of packing, and containing small particles of a good conducting material, this being the recipient of the current, surrounds the rod to which the current shall be conveyed, substantially as described.

ALFRED POULSEN.

Witnesses:
NIEL NIELSEN,
PETER LECHNER.