before being wound into a spiral.-
Fig. 3. shows the spiral after carbonization ready to have a bulb blown over it.-

I claim as my Invention,

First. An electric lamp for giving light by incandescence, consisting of a filament of carbon of high resistance, made as described, and secured to metallic wires, as set forth.-

Substitute "B" per Amdt Dec 16. 79

Second. The combination of carbon filaments within a receiver made entirely of glass through which the leading wires pass and from which receiver the air is exhausted for the purposes set forth.-

Third. A coiled carbon filament or strip arranged in such a manner that only a portion of the surface of such carbon conductor shall radiate light as set forth.-

Fourth. The method herein described of securing the platina contact-wires to the carbon filament and carbonizing of the whole in a closed chamber, substantially as set forth.-

Signed by me this 1st day of November A.D. 1879.

Witnesses;

S. L. Griffin
John. F. Randolph.

Thomas A Edison

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