

UNITED STATES PATENT OFFICE.

ISAAC ADAMS, JR., OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN ELECTROPLATING WITH NICKEL.

Specification forming part of Letters Patent No. 113,612, dated April 11, 1871.

To whom it may concern:

Be it known that I, ISAAC ADAMS, Jr., of the city of Boston, State of Massachusetts, have invented an Improved Nickel Anode for Electroplating with Nickel.

Before my invention the electroplating with nickel was difficult and quite impracticable, chiefly on account of the difficulty of obtaining a proper anode. Nickel exists in commerce in small grains or cubes, and is quite infusible. In order to connect these grains or cubes together and form a proper anode various means have been employed, and for two particular methods of so doing Letters Patent of the United States were granted to William H. Remington, dated 6th October, 1868. In the specification of the said patent are the following words: "It has, however, been found impossible to practically employ nickel, for the reason that it can only be obtained in small particles, and cannot, on account of its infusibility, be formed into a plate for a positive electrode."

I have made an improved nickel anode for

electroplating with nickel by casting the grain or cube nickel into plates of the proper shape. These plates can be cast into the required form, the nickel being melted by the process described in Letters Patent of the United States granted to me on the 25th day of May, 1869; but I do not confine myself to a nickel plate for an anode cast or melted by that process.

I believe a cast-nickel anode is an improvement in the electroplating with nickel, and I believe that I was the first to make and use such an anode.

I claim as my invention and desire to secure by Letters Patent—

A cast-nickel anode as a new article of manufacture.

The above specification of my said invention signed and witnessed at Boston this 9th day of December, A. D. 1870.

ISAAC ADAMS, JR.

Witnesses:

WILLIAM W. SWAN,
H. FARNAM SMITH.