No. 858,160. PATENTED JUNE 25, 1907.

A. J. DELOYE.

ANODE.

APPLICATION FILED JAN. 31, 1907.

FIG. 1

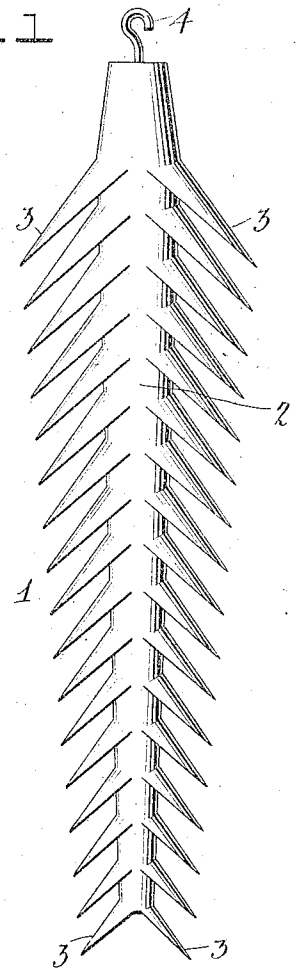


FIG. 3

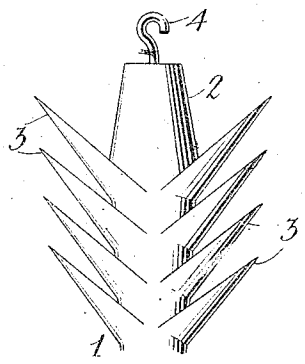
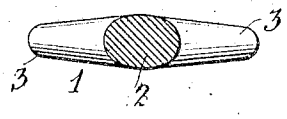


FIG. 2



Witnesses.
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UNITED STATES PATENT OFFICE.

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ANODE.

No. 858,160. Specification of Letters Patent. Patented June 25, 1907.

Application filed January 31, 1907. Serial No. 355,091.

To all whom it may concern:

Be it known that I, ALEXANDER J. DELOYE, a citizen of the United States, residing at Torrington, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Anodes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in anodes for plating batteries.

The object of the invention is to provide an anode of this character having a plurality of projections or spurs forming a large working surface thereby greatly facilitating the plating operation.

With the above and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is a side view of an anode constructed in accordance with the invention; Fig. 2 is a transverse sectional view of the same; and Fig. 3 is a detail side view, showing a portion of a modified form of the anode.

Referring more particularly to the drawings, 1 denotes the anode consisting of a tapered body-portion 2, which is preferably oval or elliptical-shaped in cross-section and has formed on its narrower sides or edges a series of integral projections or spurs 3, which in Figs. 1 and 2 are shown as projecting downwardly and outwardly and in Fig. 3 are shown as projecting upwardly and outwardly one above the other. Each projection or spur overlaps, and is spaced from the next adjacent projection or spur, said spurs being of gradually decreasing length from the upper to the lower end of the anode in accord with the tapered formation of the body or core of the latter.

By constructing an anode as herein shown and described, the working surface of the same is greatly enlarged and a plurality of edges provided, thereby materially increasing the capacity of the anode by which deposits of metal may be more quickly and evenly applied.

The anode may be cast for use in plating with gold, silver, nickel, copper, brass, bronze or any other metal. The construction of the anode as herein shown is such that it will wear away evenly until entirely consumed, thus providing for a material saving in the matter of scrap metal. If desired, the anode may be provided at its upper end with a hook or like device by which the same may be suspended in the plating solution. The anode when in position is disposed with its flattened sides toward the cathode, that is, with the spurs extended perpendicularly to a line thereon between the anode and cathode.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention, as defined by the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters-Patent, is:—

As a new article of manufacture, an anode comprising a body portion or core of gradually diminishing taper from its upper to its lower end, said core being substantially oval or elliptically-shaped in cross-section and having a series of integral outwardly-projecting obliquely disposed spurs or projections formed one above the other and on the narrow edges or sides of said body portion, said projections being of gradually decreasing length from the upper to the lower end of the anode.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ALEXANDER J. DELOYE.

Witnesses:
HENRY O'NEIL,
JAS. J. TOBIN.