

ELECTROLYTE.—The fluid body in the electrolytic cell, as cyanide of silver, or sulphate of copper, which it is desired to decompose by means of the battery. See *Electrolysis*."

ELECTROTYPE.—The term at first applied in Britain to copying metals, types, &c., by copper from a solution of sulphate of copper, since the principles on which the process depended have been investigated and extended to other metals, and to other purposes, it is now electrometallurgy.

ELECTROMETALLURGY.—The art of depositing metals in their reguline or pure state from any solution of either of their salts, and extended recently so far as to include purifying iron and copper in a state of solution, from their impurities. For the daguerreotypist it is useful for silvering his plate, copying his pictures on copper, etching them, gilding them in Beard's manner.

ELECTRO-ETCHING.—This is the reverse of electro-silvering, the plate to be etched being attached to the battery as an anode, and placed in the electrolytic cell, when it will be eroded or etched, but the process must not be long continued or else the plate will be spoiled.—*American Artizan*.

KEROSENE GAS.

KEROSENE GAS.—We hear that this new gas invented and patented by Dr. Gesner, is now being brought into use in Halifax, and that in color and brilliancy it is greatly superior to the gas made from coals, besides being less offensive, and furnished at a very small cost. The drug store of Mr. Morton and the book store of Mr. Gossip, next door to each other, are both lighted from a small gasometer and apparatus set up on the premises of Mr. Morton, the whole expense of which was only six pounds. The Dartmouth Ferry Company are putting up a gasometer on their premises at Dartmouth, to light their wharves and premises at night, and the houses in the vicinity of the ferry; the gasometer and apparatus in this case are to

cost only thirty pounds; the gas can be made by any person of ordinary intelligence at intervals as required. The gas, as its name implies, is of a greenish tinge, and very grateful to the eye. Since its introduction into Halifax, the Gas Company have reduced the price of their gas to two shillings per thousand feet; but a farther large reduction must take place or the Kerosene gas will completely supersede them. The great gas monopoly which has so long existed in London has at length been broken up, and the citizens of London now get their gas at five shillings per thousand feet, instead of sixteen shillings as formerly. We presume a similar reduction will soon take place in Halifax and elsewhere. The Kerosene gas is now made in Halifax from the Trinidad asphaltum, which, however, is not so pure as that from the Petticoediac in this province. The vein of twelve feet recently opened in Albert, is now being vigorously worked, but we have heard that orders are coming in from the United States faster than they can be supplied, and additional workings are being commenced. Dr. Gesner, through the good offices of Earl Dunderdall, has obtained a patent for his gas from the Spanish government and is now on his way to Havana to light that city with his gas under contract. Asphaltum similar to that found in Trinidad, exists in great abundance in Cuba, in the immediate vicinity of Havana. One great advantage of the Kerosene gas is, that it can be had in country houses and detached residences, without reference to gas works at all, and being made "at home," it furnishes the best of light, on terms ridiculously cheap as compared with the present price of coal gas.—*St. John N. B. Courier*.

DAGUERREOTYPING BY ARTIFICIAL LIGHT.

We understand that an establishment is about to be opened by a couple of enterpris-