

Badische Landesbibliothek Karlsruhe

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The young man's book of amusement

Halifax, 1848

Powerful Batteries

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zinc end of the battery, if the wire be of gold or platina, is found as before mentioned, to be oxygen; but if the wire be of any more oxidable metal, no gas will appear, but the wire will be oxidated. The gas furnished by the wire from the copper end of the battery, of whatever kind of metal the wire may be, is pure hydrogen. If the immersed part of this, however, be previously oxidated, no gas will be observed for some time, the hydrogen being employed in reducing the oxide upon the surface. Both the gases are furnished by the decomposition of the water.

Powerful Batteries.

Sir H. Davy's great voltaic battery consisted of two thousand double plates of copper and zinc of four inches square.

Each plate of Mr. Children's large galvanic battery consists of thirty-two square inches, and produced intense heat. Iron was instantaneously converted by it to blister steel, and diamond powder disappeared.

Galvanic Experiments on the Dead Body of a Criminal.

The following interesting experiments, illustrative of the amazing powers of Galvanic operations, will be highly acceptable to the reader. The subject of these