

Notes & Queries

HINTS TO CORRESPONDENTS.

Names and Address must accompany all letters or no attention will be paid thereto. This is for our information and not for publication.

few ohms up to a very large number of ohms, according to the condition of the cell.

(8381) C. M. writes: 1. As per instructions in one of Sloane's Electrical Library, I made some chloride of silver battery cells in test tubes, using a saturated solution of ammonia chloride and sealing the tubes thoroughly with paraffin wax.

(8382) O. H. H. asks: Does ice melt faster in a cool, damp cellar or in a warm, dry room? Have had different opinions on the same and would like to know the correct one.

(8383) W. G. A. asks: You would confer a favor by giving me any information which you may have necessary for the making of metal signs by electrolysis of copper deposit on wood or plaster patterns.

(8384) P. W. S. asks: 1. I wish to install a 1 horse power dynamo and storage battery in cheapest manner. Can direct current at 25 volts be transformed to 110 volts?

(8385) J. M. A. asks: I have two electric line circuits. One is 3 feet long and another 1,000 feet long, of No. 8 copper wire, each of 98 per cent conductivity.

(8376) A. D. writes: I want to make a small alternating current induction motor of 1/4 or 1/2 horse power, and I would like a little assistance in regard to the winding, frame, armature, etc.

(8377) C. M. N. writes: A 75-kilowatt Warren alternator seems to cause a hum in the wattmeters in this town, and I wish to learn the best means of preventing the same.

(8378) W. H. De W. says: Will you please send me the formula for liquid to etch on steel? I want the one that saw manufacturers use on their saws.

(8379) J. G. B. asks: What causes the humming of telephone and telegraph wires? What is the advantage of the alternating and polyphase currents over the direct current?

(8380) A. C. A. asks: 1. What would be the best material to use for the armature of a helix? A. Iron is the only material of any value whatever as the armature of an electromagnet.

Table listing various scientific and technical items with their corresponding page numbers, including Bag for holding hams, Barrel rolling machine, Battery finishing machine, etc.

Table listing various scientific and technical items with their corresponding page numbers, including Fodder cutter, Folding box, Folding seat and table, Food chopper ball bearing, etc.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending October 1, 1901,

AND EACH BEARING THAT DATE.

[See note at end of list about copies of these patents.]

Table listing various inventions with their corresponding page numbers, including Abrading machinery, Acetic anhydride making, Air brake pistons, etc.

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