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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 This is for our information and not for publication.

(5873) F. S. M. writes: 1. I am working Smee battery two 6x10 zinc and one carbon plate in 3-gallon jar.

(5874) A. W. B. asks: 1. The glass or joint snake, as it is sometimes called, will fly into pieces on being suddenly struck.

(5875) J. H. T. writes: My house is wired for electric bells and burglar alarm, using a Leclanche battery of four jars.

(5876) P. G. asks: 1. What power can I expect from a water motor of the Pelton type...

(5877) T. R. says: I have some mercury which is impure and adheres to the glass, rendering it useless for barometric purposes...

(5878) L. M. B. asks: What power has a gasoline engine, double cylinder, 4 x 5 inches, at 300 revolutions, explosion every alternate stroke?

(5879) J. W. T. writes: 1. My wife makes sirup (molasses) for table use. Taking four tea cups of New Orleans sugar...

(5880) W. E. H. asks (1) how the broken end of any ocean cable found. A. The end may be found by determining the resistance.

(5881) S. S. H. asks: 1. The proportion by volume of gas from gasoline and air that is used in the ordinary explosion engine?

(5882) H. B. asks: 1. What are the elements in a battery using bisulphate of mercury in solution with water as exciting fluid?

five pounds of No. 23 magnet wire. We can supply Brad's "Bell Hanger's Hand Book," price \$1, which treats on electric gas lighting apparatus.

(5876) P. G. asks: 1. What power can I expect from a water motor of the Pelton type, diameter of wheel ten inches, twelve buckets, water pressure eighty pounds...

(5877) T. R. says: I have some mercury which is impure and adheres to the glass, rendering it useless for barometric purposes...

(5878) L. M. B. asks: What power has a gasoline engine, double cylinder, 4 x 5 inches, at 300 revolutions, explosion every alternate stroke?

(5879) J. W. T. writes: 1. My wife makes sirup (molasses) for table use. Taking four tea cups of New Orleans sugar, she puts it into a pan containing two tea cups of water...

(5880) W. E. H. asks (1) how the broken end of any ocean cable found. A. The end may be found by determining the resistance.

(5881) S. S. H. asks: 1. The proportion by volume of gas from gasoline and air that is used in the ordinary explosion engine?

(5882) H. B. asks: 1. What are the elements in a battery using bisulphate of mercury in solution with water as exciting fluid?

(5883) J. C. W. writes: 1. Would it be any disadvantage to have the core to the field magnet to the motor described in the SUPPLEMENT, No. 641, cast instead of built as therein directed?

(5884) C. E. asks: On holding a piece of metal of some size closely against the vibrating spring or iron armature of a large induction coil...

(5885) P. F. M. asks: 1. Can motor in SUPPLEMENT, No. 641, be used as a dynamo? If not, what changes are necessary?

(5886) H. K. B. asks: Is there a difference between an electric bell that will ring only with two wires and one that will ring on a single wire, ground return?

TO INVENTORS. An experience of forty-four years, and the preparation of more than one hundred thousand applications for patents at home and abroad...

INDEX OF INVENTIONS For which Letters Patent of the United States were Granted March 6, 1894, AND EACH BEARING THAT DATE.

Alarm. See Boiler water alarm. Burglar alarm. Alumina, making, K. J. Bayer. 515,955. Amalgamating silver ores, A. Janin. 515,956.