

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 This is for our information, and not for publication.

(1) H. H. S. asks (1) some solvent for plaster of Paris which is in small flakes.

(2) B. C. M. desires recipe for stencil paints—black, red, green, and blue.

(3) B. J. H. asks if there is any solution that can be put on a plate glass window to keep flies off.

(4) C. C. H. asks: What is the fall in feet of the Mississippi River from its source to its mouth?

(5) J. W. F. asks (1) how to make a good rosewood stain.

(6) C. G. C. asks why druggists use distilled water? Could they not use common water as well?

(7) E. M. W. asks for a good cheap liquid shoe polish.

(8) J. F. A.—See the article on "Canned Food" in SCIENTIFIC AMERICAN SUPPLEMENT, No. 499.

(9) J. H., Jr., desires a receipt for sticking paper to zinc.

(10) F. W. L. says: 1. What is the resistance of a 10 and 16 candle power standard Edison lamp?

- 16 A-70 volts 82 ohms 0.85 amperes.
16 B-32 " 154 " 2.08 "
8 B-35 " 41 " 0.85 "

10 candle power lamps are not catalogued. 2. What is the relative resistance between the armature and field of small shunt and series dynamos?

An extra current is produced, which goes in the same direction as the main current. This to a certain extent in an induction coil defeats its action by delaying the full break of the current.

(11) C. F. D. says: I mail to your address a twigcut from my tree. Is the trouble scale louse, and if so, what is the most scientific and practical way to exterminate them?

Kerosene..... 2 gallons =67 per cent.
Common soap or
whale oil soap..... 1/2 pound }=33 per cent.
Water..... 1 gallon }

(12) C. I. M. asks: 1. What size and amount of cotton covered copper wire shall I use to make the strongest electro magnet?

(13) W. H. C. asks (1) what effect steam will have on coiled solid rubber.

(14) D. S. W. asks: What proportions of camphor, niter, alcohol, sal ammoniac, and water used in making the chemical storm glass?

(15) C. D. asks the amount of curvature in one mile of ocean surface.

(16) E. T. H. asks (1) how to make a powder which, when added to water, will form an agreeable lemonade.

(17) C. F.—Galvanized iron pipe is largely used for water supply to houses.

(18) T. M. S. asks (1) the process of cleaning brass gun shells.

(19) W. C. I. asks: What would be the difference in sustaining power, or crushing weight, be-

tween two cast iron columns each 10 feet high and 6 inches diameter, one made solid, the other cast hollow, the shell being 1 inch thick?

(20) C. E. M. asks the size and form of bellows used in hand organs.

(21) M. S. G.—There is no truer or better means of finding the actual horse power of an engine than by taking indicator cards of both strokes and ascertaining by them the mean engine pressure.

(22) J. C. M. asks how to get a fine polish on such stones as quartz, granite, etc., to use them as specimens in a cabinet.

(23) G. N. W. asks for a recipe for a good black stamping ink for tracing cloth, one that will not rub off, for rubber or metal stamps.

(24) C. H. T. asks the easiest way to make holes through an oyster or clam shell.

TO INVENTORS.

An experience of forty years, and the preparation of more than one hundred thousand applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequalled facilities for procuring patents everywhere.

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August 16, 1887,

AND EACH BEARING THAT DATE.

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