

Business and Personal.

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Notes & Queries

HINTS TO CORRESPONDENTS. Names and Address must accompany all letters or no attention will be paid thereto.

(7775) C. H. B. asks: What is meant by the repeater of a telephone, and why is it so difficult to construct?

(7776) H. I. asks: What are the proportions of corrosive sublimate, sal ammoniac and water for the purpose of depositing a very thin coat of mercury on articles which do not plate readily?

(7777) H. B. writes: I am making an automatic circuit breaker for my battery plant, and I would like to ask a few questions in regard to the solenoid and the solenoidal coil.

(7778) The A. & J. Co. writes: We believe there is in use a paper upon which brass will make a mark, something like a pencil mark.

(7779) B. T. S. asks: 1. What are the temperatures of air and of the various gases when liquidified? A. The boiling point of liquid air at the ordinary pressure is 312.6 degrees below zero Fah.

TO INVENTORS.

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INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending DECEMBER 19, 1899.

AND EACH BEARING THAT DATE. [See note at end of list about copies of these patents.]

Table listing inventions and their inventors. Examples: Advertising and display card, H. P. Kaufmann... 629,679; Air compressor, automatic operating, G. E. Drum... 639,533.

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Table listing various mechanical devices and their prices. Examples: Disinfecting device for water closets, etc., J. Sommer... 629,305; Disintegrator, E. Kreiss... 629,406; Dit ch check, portable expansion, O. D. Shields... 629,301.