

Business and Personal.

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Notes & Queries

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Names and Address must accompany all letters or no attention will be paid thereto. This is for our information and not for publication. References to former articles or answers should give date of paper and page or number of question. Inquiries not answered in reasonable time should be repeated; correspondents will bear in mind that some answers require not a little research, and though we endeavor to reply to all either by letter or in this department, each must take his turn. Buyers wishing to purchase any article not advertised in our columns will be furnished with addresses of houses manufacturing or carrying the same. Special Written Information on matters of personal rather than general interest cannot be expected without remuneration. Scientific American Supplements referred to may be had at the office. Price 10 cents each. Books referred to promptly supplied on receipt of price. Minerals sent for examination should be distinctly marked or labeled.

(7993) J. G. B. writes: Will you please tell me through the columns of your paper if the mouth of the Mississippi River is higher than its head waters? Has the subject ever been discussed by the North American Geographical Society? A. The mouth of the Mississippi River is several miles further from the center of the earth than its source is. This is due to the form of the earth, which has been affected by the centrifugal force of its rotation upon its axis. In this sense the mouth of any river which flows toward the south is higher than its source. It is not true in any proper sense of the term that the water of such a river flows uphill. It should not be thought, however, that this affects a water level. This is affected in the same way as the flowing river. The surface of the ocean is a water level from the equator to the poles. We do not know that any society has discussed this question.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending NOVEMBER 20, 1900, AND EACH BEARING THAT DATE.

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

Table of inventions with descriptions and patent numbers. Includes items like Acetone compound of nitro-meta-toluylic aldehyde, Air apparatus for removing moisture from, Air brakes in emergencies, etc.

Table of inventions with descriptions and patent numbers. Includes items like Carbons for electrical purposes, Carbureter, H. Burton, Carriage boot, E. R. Briggs, Carriage leaf spring, D. N. Kratzer, etc.

Table of inventions with descriptions and patent numbers. Includes items like Lamps, terminal connection for electric, A. J. Wurts, Latch screw cutting attachment, J. Cornells, Lever locking mechanism, T. Coldwell, etc.

Table of inventions with descriptions and patent numbers. Includes items like Vehicle, motor, H. G. Underwood, Vehicles, power device for road, R. B. Robert, Valve, F. H. Hunt, etc.

DESIGNS.

Table of designs with descriptions and patent numbers. Includes items like Bicycle or like tubular frames, fork for, Fauber & Price, Bicycle or like tubular frames, fork for, A. M. Anderson, etc.

TRADE MARKS.

Table of trade marks with descriptions and patent numbers. Includes items like Agricultural machinery, Deering Harvester Company, Apparel, certain named wearing, H. Black & Company, Beer, National Brewery Company, etc.

LABELS.

Table of labels with descriptions and patent numbers. Includes items like "A. B. C." for beer, American Brewing Company, "American Gentleman Rye Whisky," for whisky, etc.

PRINTS.

Table of prints with descriptions and patent numbers. Includes items like "La Numanca," for cigars, Schmidt & Company, "The We Girls Company," for cigars, etc.