

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. This is for our information and not for publication.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.

(6949) G. H. R. asks for formula for making developing cartridges for plates, or a strip of twelve exposures of pocket kodak film. A. Such prepared cartridges can be purchased from manufacturers of photo supplies. A dry mixture containing six grains of metal, twenty-four grains of sodium sulphite and ten grains of carbonate of potash dissolved in a large goblet of water, will make an efficient developer.

(6950) P. O. B. says: A battery having an output of 50 watts will light a 16 candle incandescent lamp when connected in series. Will the same battery light the lamp if connected in parallel, the output in watts being the same, but voltage is lowered and amperage increased. A. No. The lamp must have sufficient voltage to give a lighting current through its resistance.

(6951) S. E. Co. asks: Why should a thermometer rise when placed in front of a running electric fan? A. On account of the heat produced by the friction between the air and the bulb, and by the energy converted into heat by the arresting of the motion of the air. Other things being equal, the better the fan, the more the thermometer will rise.

INDEX OF INVENTIONS.

For which Letters Patent of the United States were Granted.

August 18, 1896,

AND EACH BEARING THAT DATE.

(See note at end of list about copies of these patents.)

Table listing inventions with names and dates. Includes items like 'Accordion, J. Galleazzi', 'Advertising device, electrical, J. J. McCormack', 'Agricultural implement, handle, W. C. Frick', etc.

Table listing inventions with names and dates. Includes items like 'Buggy seat, J. P. Cooper', 'Cabinet, F. Norkus', 'Cabinet, automatic lock, E. W. Burns', etc.

Table listing inventions with names and dates. Includes items like 'Iron derivatives of albumen, obtaining, O. Schmiedebek', 'Fronting seat, H. Patterson', 'Jack, See Lifting jack', etc.

Table listing inventions with names and dates. Includes items like 'Stove, cooking, F. Will (reissue)', 'Switch, See Railway switch', 'Switch stand, H. Batters', etc.

DESIGNS.

Table listing designs with names and dates. Includes items like 'Belt plate, R. Hickman', 'Bicycle handle, F. Rockwell', 'Bicycle saddle, W. A. & M. H. Hubert', etc.

TRADE MARKS.

Table listing trade marks with names and dates. Includes items like 'Bakers' products and confectionery and medicated candy', 'Bicycle chains, Indianapolis Chain and Stamping Company', etc.