

Business and Personal.

The charge for insertion under this head is One Dollar a line for each insertion; about eight words to a line.

- Marine Iron Works. Chicago. Catalogue free. High grade well drills. Loomis Co., Tiffin, Ohio. For hoisting engines. J. S. Mundy, Newark, N. J.

The celebrated "Hornsby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Refrigerating Machine Company. Foot of East 136th Street, New York.



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 This is for our information and not for publication.

(7092) C. E. B. asks how to make a paste or glue that will answer to paste a photograph or lithograph on glass, and not to show the paste, and how to treat same.

(7093) G. G. W. asks for a copper polish to be used for cleaning the work board in a saloon. Until lately I have been able to buy a polish that answered all requirements, but am unable to get it at present.

(7094) S. F. asks: Will you please a constant reader of your valuable paper by answering the following question? Is there a cement that is insoluble; in other words, a cement that will not liquefy with heat?

mix. 9. 10 parts common clay dried and pulverized; 4 parts iron filings; 1 part common salt; 1 part borax; 2 parts manganese peroxide.

(7095) H. J. F. asks: 1. If I build dynamo illustrated in SUPPLEMENT, No. 600, twice the size given, what will the production be? A. The power of a dynamo should vary with the fifth or sixth power of its lineal dimensions.

(7096) W. C. asks what calcium tungstate is that is used for X ray fluoroscopes. A. It is a white, somewhat crystalline or granular salt, made by heating together sodium tungstate and a calcium salt, such as calcium chloride.

(7097) B. M. asks how the copper deposit on carbon stick is put on. Can the same be done with graphite? If so, how? A. It is put on by electric deposition, just as any article is copper plated.

(7098) A. B. W. asks how to arrange to operate an ordinary 3 inch electric elevator bell from a motor circuit. The elevator is run by an electric motor using a 500 volt circuit and it is desired to take off about 5 volts of this current to operate the bell; will this be practical?

TO INVENTORS.

An experience of nearly fifty 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.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted

JANUARY 12, 1897,

AND EACH BEARING THAT DATE.

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

- Acid, making hydrocyanic, A. K. Huntington... 575,240 Acid, manufacturing esters of diiodosacetic, Galline & Courant... 575,227 Adding machine, C. H. Redding... 575,287 Air, etc., apparatus for exhausting, propelling, blowing, or inducing currents in, James & Watson... 575,241 Aldehydes, manufacturing aromatic, B. Homolka Anchor, G. Tzack... 575,082 Anchor bolt bushing, J. H. Cook... 575,282 Animal trap, W. C. Hooker... 575,113 Antifriction and thrust support, A. M. Stewart... 575,044 Arch, door, J. D. Murphy... 575,087 Baling press, P. K. Dederick... 575,216 Baling press, Livengood & Mason... 575,001 Ball. See Tennis ball.

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