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 This is for our information, and not for publication.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

(1) J. D. asks how to make carbon paper or transfer paper. A. Mix lard to a paste with lampblack, rub this upon the paper, remove the excess with a rag, and dry the paper, which should be thin post or tissue paper.

(2) I. M. G. asks: 1. In Fig. 2, in your description of electric motor, in issue of March 17, is the iron wire which is wrapped on the spool insulated? A. It is partially insulated with shellac varnish.

(3) G. G. asks if there is any particular way to lace a quarter turn belt so as to have an equal strain on both edges of the belt. A. Begin on the outside of the belt at the middle, pass one end of the lacing through one end of the belt and bring it out through the corresponding hole of the other end of the belt, laying it diagonally off to the left.

(4) J. M. C. writes: 1. I have just made six cells, 1 zinc 1 1/2 inches by 3 1/2 inches, 2 carbons 1 1/2 inches by 3 1/2 inches. I want to know if they will turn, or more than turn, the motor described in March 17 issue?

A. Yes; when built up the joints are broken just as they happen to come. 4. How is induction coil made to suit as many of my cells as would be proper to use, in an ordinary medical battery? I would like to have working directions. A. For induction coils and very full directions for making, see SUPPLEMENT, Nos. 160, 166, and 569.

(5) E. H. L. writes: I am much interested in your admirable description of a small dynamo as furnished in SCIENTIFIC AMERICAN SUPPLEMENT, No. 600. I want such a one for running a single arc lamp, such as requires 50 Bunsen cells.

(6) G. R. F. asks the process of taking and using glue moulds. A. A good gelatine mould may be made in the following manner: Soak the best white glue in cold water for 24 hours, then drain off all the water.

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.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted March 20, 1888, AND EACH BEARING THAT DATE.

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

Table listing inventions with names and dates, such as Air heating device, M. T. Baldwin, 379,755; Alarm lock, G. Gibbs, 379,642; Animal releasing device, B. Borton, 379,852.

Table listing inventions with names and dates, such as Boots or shoes, manufacturing, J. W. French, 379,640; Bottle, E. Storm, 379,615; Bottle stopper, G. L. Waitt, 379,919; Bottle stopper and fastener, S. L. Wiegand, 379,623.

Table listing inventions with names and dates, such as Hat wires, machine for applying clasps to, J. Nutt, 379,876; Hatchet and plane, combined, J. Brandt, 379,877; Hay binder, C. W. Baker, 379,556; Hay rake, horse, J. H. Jones, 379,895.

