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We renew our request that correspondents, in referring to former answers or articles, will be kind enough to name the date of the paper and the page, or the number of the question.

Correspondents whose inquiries do not appear after a reasonable time should repeat them. If not then published, they may conclude that, for good reasons, the Editor declines them.

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Correspondents sending samples of minerals, etc., for examination, should be careful to distinctly mark or label their specimens so as to avoid error in their identification.

(1) J. F. asks: 1. What is the best cement to make leatherstick to iron pulleys? I have tried several with poor success. A. The following is said to be excellent: Soak equal parts of common glue and isinglass for ten hours in just water enough to cover them. Bring the whole to nearly the boiling point, and add pure tannin until the whole mixture becomes ropy, or appears like the white of eggs. Buff off the surfaces to be joined, apply the cement, and clamp firmly. The belt must not be used before the cement is thoroughly dry. 2. I have lagged the pulley which runs our electric light machine (the Edison), which is 46 inches diameter, driving the pulley on the machine, which is 10 inches diameter, 1,300 turns. What is the reason the lagging will not stay on the pulley? Is it the fault of the cement, or on account of the difference of diameters of the pulleys? A. It might be well to roughen the pulley, for it is probable that the speed at which it is run is too great, producing too much friction. Perhaps an endless rubber belt would be more serviceable.

[OFFICIAL.]

INDEX OF INVENTIONS

FOR WHICH

Letters Patent of the United States were Granted in the Week Ending

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AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

A printed copy of the specification and drawing of any patent in the annexed list, also of any patent issued since 1866, will be furnished from this office for 25 cents. In ordering please state the number and date of the patent desired and remit to Munn & Co., 261 Broadway, corner of Warren Street, New York city. We also furnish copies of patents granted prior to 1866; but at increased cost, as the specifications, not being printed, must be copied by hand.

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