Our success in the prosecution of rejected cases has been The principal portion of our charge is generally left dements, &c. pendent upon the final result.

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Caveats.

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J. W. R., of Ill.-There is no good work published on milling and millwrighting according to American practice. There is a great variety of opinion among millers respecting the best dress and the speed of stones. We advise you to visit some of the best mills and examine all the machinery. The information you would thus acquire would be of immense benefit to you.

C. H., of N. Y.-Jordan almonds are the bitter almonds which are natives of Syria. The common bitter almonds will answer your purpose in making cosmetics.

W. R. B., of N. H.-We have no data at handrfom which we can give you reliable figures for the frictional grooved wheels in question. The dimensions in question will be readily supplied by the makers of such machinery—the Novelty vworks in this city.

J. F., of Wis.-Wm. Gates, of Frankfort, N. Y., is a reliable manufacturer of friction matches. We cannot answer your other inquiries satisfactorily; there is no accounting for the whims and conceits of men. \$1 received for four months' subscription. L. V. R., of N. Y.—You can obtain pistol. aving metallic

cartridges of J. W. Storrs, No. 256 Broadway, unis city.

J. E., of C. W .--- We do not think you could employ any method, practically valuable, more advantageously than your present one. There are several methods of making carbonic acid as known to science, but the quality most suitable for your use is made by sulphuric acid and marble dust.

W. M., of N. Y .- We do not care to discuss the currency question at any length in our columns. We devote but little space to such subjects and therefore must decline your article. We do not undertake to preserve contributions sent to us for publication. Par-ties should keep copies if they wish to preserve their papers.

J. W. M., of N. Y .-- There are certain kinds of powder on sale at druggists, which are good to drive away roaches. Get some thing of this kind and use it thoroughly and you may succeed in get-ting rid of the pest. We know of nothing better.

L. L., of Pa.-Your suggestion to divide postage-stamps in the center by a series of holes so as to allow one half the stamp to be torn off is a good one, but it is not new. The same thing has been suggested to us before.

R. V. DeW., of N. Y.; L. K., of Ohio., and several others. - Your interesting communications have been received and will appear as soon as possible.

A. W., of Mass.-The Ruhmkorff coil is the most powerful electrical apparatus for decomposing water. Mr. Ritchie, of Boston, manufactures a superior apparatus of this character.

H. A. G., of Mo.-If you wish to become an engineer you must serve an apprenticeship until you are twenty-one years of age. Apply to any steam-engine builder, and if he wants your services he give you the conditions under which you will be accept

J. B., of Cal.-It affords us pleasure to know that the chemical information published in our columns has been the source of so much pleasure and profit to you. The aniline colors which have so interested you may be those which are eliminated in nature's laboratory in embellishing the flowers of the field, but man knows very little about the forces which govern the functions of secreting their cold

H. S., of Ill.-You could undoubtedly boil the liquid at a much lower pressure of steam by increasing the amount of radial surface through which it passes ; precisely how much less would depend wholly upon the increased radiation. You will not experience any difficulty, we think, from the cause you apprehend, unless you wire-draw the steam by crowding it through narrow tubes; none less in diameter than % ths of an inch should be used. These are the size of those which are inserted in the condensers of our ocean

D. C. S., of Iowa.-Magnesium wire cannot be obtained

D. S., of Wis.-Smee's work on electro-metallurgy is published by J. Wiley, of this city. Napier's work on the same subject is of more recent date. It is an English publication. We do not know its price. Electro-plating, if well executed, and a good thick coating put on, is said to be as permanent as fire-plating for carriage irons. We have not heard of any experiments being made however, to test the comparative durability of the two systems. D. S., of N. Y .- Every speck of mold or mildew upon a sail or other cloth injures the cloth beyond recovery, because the mildew is really a decay of the fabric caused by fungi. Every spot of mildew should be brushed off the moment it is noticed. Fungi or mildew generally appears when sail-cloth is reefed or folded up damp

A. P. T., of Mass.-The information which we can give you respecting the preparation of dry collodion-paper for artists has been published in our columns. Many artists state that they have seen good pictures produced with dry sheets.

M. & S., of Pa.-Light iron patterns can easily be coated with wax, but shellac varnish is the best that can be applied to wooden patterns. The shellac is dissolved in alcohol, and three coats of varnish should be put on. We have been informed that a coating of bees' wax mixed with turpentine is easily applied and is excellent for both iron and wood patterns as a priming for a second coating with shellac varnish.

G. B. F., of Conn.-The fiber of the milk-weed is beautiful and silky, but it appears to be too weak even for the manufacture of paper. Some experiments however, should be made to test its capabilities for this object. Your torpedo is original so far as it re-lates to its mode of propulsion by rockets, but we think it would be difficult to control. Thus far submarine torpedoes have, in most es, proved failures

D. W. W., of N. Y.-We are not in possession of practical information received from any of our correspondents as to the relative merits of the diamond and the steel pick in dressing millstones Most all our correspondents who are millers use the steel pick.

A. M., of Wis.-Parallel shafts generally run easier when connected with small than large cog gearing. We would prefer a wheel of one foot in diameter to one three feet, when the distance between the shafts is of no consequence and the speed of the shafts is equal

C. C., of D. C.-The chloride of calcium and the chloride of lime are two very different things. You have been using the latter to make artificial stones and no wonder you failed. The chlor-ide of calcium is made with hydrocloric acid (muriatic) and chalk, or carbonate of lime. The common chloride of lime is made with hy drate of lime and chlorine gas. Harding's process for making th silicate of soda is patented.

T. S. S., of Va.-It has been proposed to us several times to arm gunboats with a submarine gun on the bow of each, which is a more plausible application than furnishing them with a percussion shell each, because the submarine gun embraces a mode of loading and firing under water. The muzzle of the submarine gun was also to be used as a-ram.

Money Received

At the Scientific American Office on account of Patent Office business, from Wednesday, December 17, to Wednesday, December 24, 1862 :-

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Specifications and drawings and models belonging to parties with the following initials have been forwarded to the Patent Office from December 17, to Wednesday, December 24, 1862:-

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