## Scientific American.

horse rake has been examined, there is nothing in the combination which would warrant you in applying for Letters Patent. The runners are the only new features presented, but no claim could be based upon them, as in this case it is only the application as a well known device to a new purpose. They are not however so good for this purpose intended as the wheels ordinarily used.

"T. H. J., of Mass."-Your question cannot be answered until we are made acquainted with your method of preparing the ivory. Glass has been used for such purposes, afterreceiving a coating chemically prepared. Ivory has not been used for the particular purpose, that we know of, but it may be that you prepared it in the same way, that the glass is before receiving the object.

"A. S., of N. Y."-Your plan for communicating power to the common dash churn is very simple and good, but very old. No patent could be obtained for it. \$1 received and credited.

"N. L. M., of S. B."-The Institute referred to is defunct.

"E. C. J., of Mass."-We do not see what advantages you desire from the first plan presented for our consideration, or what particular use you intend it for. The 2d is not new but constitutes one of the most ancient principles involved in the application of steam. See Lardner or Stewart on the steam engine.

"G. N. C., of Ct."-We do not know what you use in mixing the British luster, if it is alum no patent can be obtained for the composition. This is all the information we can give from the very indifinite description given by you.

"L. C. B., of Vt."—The portable saw mill referred to is probably the invention of Mr. Geo. Page of Baltimore Md., who will giveyou any information in regard to price, &c., that may be required. \$2 received and credited.

"S. H., of N. H."-The plan of your switch has been examined. We do not discover any season to Mr. L. B. Wood of your state, for essentially the same devices.

"W. F., of Liverpool, N. S."—No work upon Practical Tanning can be obtained in this city, the want of it is seriously felt. Ranlett's Architect is the best work of the kind the Camera Lucida shipped according to their in this country, it treats more especially upon cottage and ornamental work. You would like this work, it can be furnished in two bound Vols., for \$6 each, sent to our Halifax Agent, Please advise us.

"P. N. A., of Ind."—Your drafts have been received and \$70 paid to Mr. Chamberlain and the balance \$100 credited as per request. Much obliged.

"E. R.B., of Wis."-Your model has arrived and will meet early attention.

"J. C., of N. Y."—The model of your "cut off" has been received, and the expenses paid to Express have been charged to your account. We cannot examine it until after the 1st of January.

D. L. G., of N. H., & and A. B. of N. Y .-Shall attend to your cases, as soon as possible which will be about the first week in January.

"J. K. H., of Ala."-It is absolutely necessary that you furnish a good operating model of your invention and no steps can be taken towards making out the papers until a model is prepared. The Patent Laws, are explicit on that point.

"T. A. D., of Ind."-We shall be pleased to review your model of the " Best Rotary Engine" out, and would recommended you to forward it by Express immediately.

"H. T. P., of S. C."-A case of instruments were shipped to your address per Engineer of

less price than it could be made here and then shipped to you. It is not patented in the United States but the ted States but the right has been secured for Great Britain we think.

"J. W. B., of P."-We have seen no wheel constructed exactly like yours—the nearest to it is one in No. 38 of our last Vol .- we are doubtful about obtaining a patent for it. We do not think the planing machine, to which you refer, superior to one with retary cutters, but better than many with stationary cutters.

"J. F. G., of Ohio."-Your plan of pumps is in common use in the English mines, but the assistance of the air is the same for one as for three—the spaces only make the difference. In regard to the screws, let it always be understood that there can be no gain of power without a decrease of speed,—an increase of power is a decrease of speed; an increase of speed is a decrease of power. This is a permanent law of mechanics.

"A. F. G., of Ga."-Your draft on Messrs. R. C. & Co., was duly received and promptly paid. Thanks for your promptness.

"H. J., of Ind."-Your model has been received and your business will be taken up in a few days.

"B. S., of N.Y."-Your specification and drawing was forwarded to you by Wells & Co.'s Express last Monday.

"C. W. B., of N. Y."-Your plan in principle is not new, but the construction is. In Vol. 2, Sci. Am., you will see a number of plans for this purpose.

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D. J., of Mass., \$20; W. P., of L. I., \$20; N. P., of N. Y., \$10; C. F., of N. H., \$30; N. T. B., of Pa., \$45; H. A. F., of O., \$37; C. N. G., of Fla., \$25; and F. S. T., of N. Y.,

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Specifications of your inventions have been thing new in it—a patent was granted last forwarded to you for signature, by mail, since Dec. 19th.

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