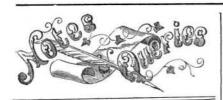
## Scientific American.



PERSONS who write to us, expecting replies through this column, and those who may desire to make con-tributions to it of brief interesting facts, must always, observe the strict rule, viz., to furnish their names, otherwise we cannot place confidence in their com-munications.

SCRUTATOR-Your communication upon the "Science of Ocean Telegraphing" will receive respectful attention when you furnish us your proper address. Anonymous communications are rejected by the press generally, and this fact seems to have escaped your

J. E., of Va.-You have confounded two distinguished persons. Herschel is an Englishman, an astronomer, and still lives, at the age of 68 years. Humboldt is a German, and is now 89 pears of age. It is said he has predicted his own death to take place in 1859. Herschel has never visited this country, but Humboldt has visited the greater portion of the world. He is regarded as one of the most remarkable men of this or any other

Wm. Davies, of Brenham, Texas, wishes to corre spond with a manufacturer of cast iron hubs and axles for heavy wagoas; also with a bolt manufacturer.

A. F. H., of Ill.-There is no recent published work on millwrighting.

W. L. P., of N. Y.—Communications sent to us

without the writer's name cannot be intelligibly filed away, therefore they are not saved. Please to send a sketch and description of your anti-collision bridge, and we will examine it.

E. M., of Va,-The mineral you send us is marl. It has no value except as a polishing powder.

F, W. F., of Ga.—India-rubber is soluble in napths and spirits of turpentine, and it can also be softened by heat. It is rendered soft for being molded in dies. by kneading it between heated iron rolls. This is the cheapestmethod, and the one pursued in india-rubber

THE Papal City is to be lighted with gas; the progress of the age having caused Pio Nono to cry "What ho! there, lights."

, of Brooklyn.-The delicate experiment you allude to as having been performed by Mitchell, does not prove in any way that light has weight, but only that it may be capable of producing motion; besides, the force of light coming from the sun has associated with it, heat, chemical action, electricity, &c., and any of these may have produced the motion. In our paragraph on the "Wonders of Light," we did not say that light had no "momentum or force," but simply that it had no weight, and weight and force are two different

THE largest slip dock that has yet been made, is in course of construction at Glasgow. It is capable of taking up ships of war and steamships of 3,000 tuns register, and is to be erected at Alexandria for the Pasha

of Egypt.

H. H., of La.—We do not know where you can purchase a lathe for eccentric turning, such as axe handles, carriage spokes, &c. Blanchards lathe is principally used for this purpose, but we do not know that it is sold to others to use in the business.

G. W., of Mass.-We have a good opinion of Messrs Cridge, Wadsworth & Co.'s oscillating engine.

L. R., of Md .-- Your observations upon the potato rot will receive attention in due time

COMETS .- It is a fact of unusual occurrence that there are now visible in the heavens three comets, the brightest of which, Donati's, can be distinctly seen with the naked eye about ten degrees above the horizon, in the northwest, about 7% P. M. It shows a tail of two degrees in length, and is rapidly increasing in brightness, and rising higher above the horizon at that hour.

L. G. E., of Ala.-The best known lubricating ma terial for machinery is pure sperm oil.

THE city of London, which forms but a small portion of the metropolitan district, raises a tax on coal which amounts to \$1,550,000 per annum.

Money received at the Scientific American Office on account of Patent Office business, for the week ending Saturday, September 25, 1858 :-

T. R., of N. Y., \$25; C. B. M., of Ill., \$25; H. S., of N. Y., \$25; W. D., of Texas, \$7: W. & B., of Iowa, \$30; G. D., of Ill., \$25; A. E. T., of N. Y., \$30: F. D., of Ohio, \$30; E. E., of N. Y., \$20; McC. & D., of L. I., \$30; E. L. E., of Conn., \$55; J. M. B., of Me., \$30; E. M. J., of Conn., \$30; A. S., of N. Y., \$10: J. S., of Iowa, \$50; J. C. T., of N. Y., \$40; J. C. K., of Ark., \$30; J. S. M., of Mich., \$30; C. J. C. P., of Iowa, \$50: A. B., of Vt., \$25: F. M., of Ill., \$65: H. H., of N. Y., \$250; H. M., of Pa., \$30; H. E., of N. Y., \$20 J. R. H., of N. Y., \$20; J. J. C., of Mo., \$15; W. H. C., of Mass., \$30; P. & H., of N. Y., \$25; S. E., of Pa., \$30; D. E. B., of Mich., \$30; W. H. Van D., of Pa., \$50, K. & R., of Mass., \$25; P. B., of Conn., \$35; P. L., of N. Y., \$20; C. K., of N. Y., \$30; C. S. P., of Conn., \$30; H. E., of Iowa, \$27: J. H., of Mo., \$55; J. W. S., of Ohio, \$55; J. M., of Miss., \$47; J. H. T., of R. I., \$30; M. H. R., of Tenn., \$25; A. S. L., of N.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, September 25, 1858:

N. C. P. S., of N. Y.; A. B., of Vt.; F. M., of Ill.; P. M., of Ill.; J. S. M., of Mich.; J. M. B., of Me.; J. Y. M., of In.; of S. M., of Mellin, J. M. B., of Mellin, of N. Y.; C. J. C. P., of Iowa (two cases); C. B. M., of Ill.; T. R., of N. Y.; W. W., of Del.; H. S., of N. Y.; W. D., of Texas; P. & H., of N. Y.; F. S., of N. Y.; H. E., of N. Y.; W. S., of Pa.; J. M., of Wis.; K. & R., of Mass.; W. M. W., of N. Y.; M. H. R., of Tenn.; H. E., of Iowa; G. B., Jr., of N. Y.

THE KNICKERBOCKER—John A. Grsy, 16 and 18 Jacob street, New Yor k.—The number for October contains a number of excellent articles, and the editor. L. Gaylord Clark, still keeps the readers of his "Table" interested and anused. By-the-bye, old "Knick" offers novel inducements to subscribers, to wit, two feet of the genuine Atlantic telegraph cable to every \$3 subscriber, or for every ten subscribers sent to the office, ten acres of land in one of the Western States. Rather enterprising that.

HANDBOOK OF FRUIT CULTURE. By Thomas Gregg. New York: Fowler & Wells, 308 Broadway. This is a valuable little work, which contains all the necessary information to properly conduct an orchard; it is pleasantly written, and is illustrated with many plates. In fact, it is the very book which every farmer and horticulturist should possess, if he wants a fine fruit orchard on his land.

chard on his land.

THE BULLDEN. New York: Wiley & Halsted. This is a weekly journal published in London, devoted to the cause of art, architecture, and building, and imported by the above agents in monthly parts. It is regarded in Great Britain as the authority on such subjects, and deserves an extensive patronage here, as there is no such periodical published in this country.

there is no such periodical published in this country.

THE PRACTICAL MECHANIOS JOUENAL is another veluable mage zine imported by Wiley & Halsted, which is a monthly resume of the mechanical news and scientific intelligence. It is well illustrated, and has many able and industrious contributors who keep its pages continually up to the mark.

THE ATLANTIC MONTHIN. Boston: Phillips, Sampson & Co. The first article in the October number, entitled "The New World and the New Man," is not only able but eloquent and philosophical, and should be read by every one. "The Autocrat of the Breakfast Table" bids his readers farcwell, and now that the "Autocrat" has retired, we since rely say that he has done more to secure the success of the Allantic than any of its contributors.

THE LONDON QUARTERLY REVIEW. New York: L.

any of its contributors.

The LONDON QUARTERLY REVIEW. New York: L. Scott & Co. This number opens with a biographical sketch of Admiral Blake, one of England's greatest naval heroes. This is followed by able papers on the "History of Civilization in England," "Iron Bridges," "Life of Wyckliffe." "Professor Blunt and his Worka," "Shipwrecks," "British Museum," "British India."

The Cindinnatus.—Edited by F. G. Cary, College Hill, Obio.—This periodical devoted to all that can teach and elevate the farmer or horticulturalist still holds its place as the most useful magazine published in the West.

## VALUABLE HINTS TO OUR READERS.

RECEIPTS—When money is paid at the office for subscriptions, a receipt for it will always be given; but when subscribers remit their money by mail, they may consider the arrival of the first paper a bona fide acknowledgment of the receipt of their funds. The Post Office law does not allow publishers to enclose receipts in the paper.

PATENT CLAIMS-Persons desiring the claim of any invention which has been patented within fifteen years, can obtain a copy by addressing a letter to this office, stating the name of the patentee, and date of patent when known, and enclosing \$1 as fee for copy-

-We would suggest to those who desire to have their volumes bound, that they had better send their numbers to this office, and have them executed in a uniformstyle with their previous volumes. Price

A MERICAN AND FOREIGN PATENT

SOLICITORS.—Messrs. MUNN & CO., Proprietors of the Scientific American, continue to procure patents for inventors in the United States and all foreign countries on the most liberal terms. Our experience is of thirteen years' standing, and our facilities are unequaled by any other agency in the world. The long experience we have had in preparing specifications and drawings has rendered us perfectly conversant with the mode of doing business at the United States Patent Office, and with most of the inventions which have been patented. Information concerning the patentability of inventions is freely given, without charge, on sending a model or drawing and description to this office.

Consultation may be had with the firm, between nine and four o'clock, daily, at their principal office, 128 Fulton street, New York. We established over a year ago, a Branch Office in the City of Washington, on the corner of F and Seventh streets, opposite the United States Patent Office. This office is under the general superintendence of one of the firm, and is in daily com munication with the Principal Office in New York, and personal attention will be given at the Patent Office to all such cases as may require it. Inventors and others who may visit Washington, having business at the Patent Office, are cordially invited to call at our office.

We are very extensively engaged in the preparation and securing of patents in the various European countries. Fer the transaction of this business we have offices at Nos. 66 Chancery Lane, London; 29 Boule vard St. Martin, Paris and 26 Rue des Eperonniers, Brussels. We think we may safely say that three-fourths of all the European patents secured to American citizens are procured through our Agency.

Inventors will do well to bearin mind that the English law does not limit the issue of patents to inventors. Any one can take out a patent there.

Circulars of information concerning the proper course to be pursued in obtaining patents through our Agency, the requirem

The annexed letter from the late Commissioner of Patents we commend to the perusal of all persons in-terested in obtaining patents:— MESSES. MUNN & CO.—I take pleasure in stating that while I held the office of Commissioner of Patents,

while I held the office of Commissioner of Patents, MORE THAN ONE-FOURTH OF ALI THE BISINESS OF THE OFFICE came through your hands. I have no doubt that the public confidence thus indicated has been fully deserved, as I have always observed, in all your intercourse with the Office, a marked degree of promptness, skill, and fidelity to the interests of your employers.

Yours, very truly. CHAS. MASON.

Communications and remittances should be addresse MUNN & COMPANY, No. 128 Fulton street, New York.

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A SSIGNEES' SALE—On the 16th day of October, 1858, will be sold at public sale upon the premises, in the borough of Mount Joy, Lancaster county, Pa., the Mount Joy Car and Agricultural Implement Manufactory, consisting of a two-story brick shop, 146 by 46 feet, with frame saw-mill 100 by 25 ft., and brick engine and boiler house attached, brick foundry 70 by 40 feet, wearehouses, stable, &c., siding to railroad, cranes, &c. Also 50-horse engine, belting and gearings, lathes, planers, boring mills, &c., for iron and wood, and a large stock of patterns, all nearly new. Situated in one of the best agricultural districts in the Union, on the great Pennsylvania Central Railroad. For further information apply to the undersigned, assignees of Samuel Kohr and wife, at Mount Joy, aforesaid. Sale to commence at 1 cclock, P. M. of said day. Sale of lumber, castings, and other materials, finished and unfinished work, &c., on the 18th and 18th of October next.

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Sash, Tenoning and Mortising Machines, Steam
Engines, Slide Lathes, Drills, &c., at greatly reduced
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