Scientific American.

LITERARY NOTICES.

Leslie's Ladies' Gazette.—Office No. 6 John street. 25 cents single number, \$5 per annum. This work is just what its title purports it to be, a ladies gazette of fashion. The July number is out and the contents are good, if not quite equal in some respects to some of the previous numbers. Ladiesshould patronize this periodical liberally, and it is understood they do.

wall stream Journal.—A weekly newspaper published by Robinson & Co., 68 Wall street, terms \$2,50 per annum. For husiness men this Journal is as indispensable as the "Scientific American" is to the mechanic, inventor, and artisan. Each number contains the weekly transactions of the Board of Brokers, the condition of the city banks, the sales of real estate at auction, etc., etc. The editorials are piquant, saucy, and in the main reliable. It is a paper which we like to read, and one which we take home with us to read at our leisure. The editors weekly review of the financial affairs of the city, and the future prospects of the country financially—are written in a pleasing style; unlike most writers upon such subjects, his articles are far from being prosy.

HOUSEHOLD WORDS, Conducted by Charles Dickens. American edition published by T. L. McElrath & Co., 17 Spruce street, New York. The number for July contains a continuation of Dickens' new story, "Hard Times," also several other articles of rare interest. Some of the ablest writers in Europe assist Dickens in the editorial management of "Household Words," and a fair estimate of its interesting character may be adduced from the great amount of "copy" it furnishes to other magazines and journals. Terms per annum, \$2.

ILLUSTRATED MAGAZINE OF ART.—The July number of this beautiful and really useful publication has been sent us by T. L. McElrath & Co., No. 17 Spruce street, N. Y. who have succeeded A. Montgomery, its former publisher. The illustrations are very numerous and its contents varied and interesting We know of no work of the same character equal to it. Published monthly, Each number 25 cts.

LITTELL'S LIVING AGE.—This excellent weekly has just commenced a new volume, the first article is on that strange, half crazy queen Christina of Sweden. Every number is now illustrated with a steel engraving. The publishers office, this city, is 343 Broadway.

CHAMBERS' JOURNAI—For July.—This popular magazine is re-published in this city by P. D. Orvis. No. 130 Fulton street. It contains the travels of Wm. Chambers while in the United States during the past year. They are very interesting, but in many instances, superficial and incorrect, as is usually case with mere tourists' descriptions. This is one of the ablest and cheapest magazines in the world.

KNICKSEBOCKER—For July.—"Old Knick," as usual, overflows with wit and humor. The first article on the "Availability in Candidates for the Presidency," is one of the best we have ever read. The table of the Editor (Louis Gaylord Clark) is by far the most entertaining of any magazine in our's or any other country. This number begins a new volume—an excellent time to subscribe.

PUNNAM—For July.—This number is the first of Vol-ume 4, and contains a fine steel plate of the author of "The Potiphar Papers,"—who is really goo looking, The leading article is on "The Types of Mankind," the author of it does not seem to take any Igood stand for or against the views of Agassiz, Newton, and Hiddon. But he treats the whole subject in a weak manner. This magazine maintains a high position among the literary periodicals of the "First Class."

among the interary periodicals of the "First Class."

GRAMFENBERG ALMANAC, or Light for the World—for 1855, is rather in advance of the season—but as it has thought proper to "take time by the forelock," we can do no less than to announce its enterprize in such matters. The almanac contains several humorous illustrations, sharp jokes, calculations upon the hour glass of time, besides the usual amount of eloquent recommendations of the Graefenberg medicines, which have attained considerable celebrity and are sold by the Oompany at No. 32 Park Row, New York. We believe the Almanac is gratis—medicines not.

MAGAZINSS FOR JULY, Messrs. H. Long & Bro., 43 Ann street, have sent us "Godey's Ladies Book " and "Gra-ham's Magazine " for July They are fine numbers, and are well supplied with reading adapted to the season.

TO CORRESPONDENTS.

H. G. R., of Tenn.-It would not be patentable to have a saw move instead of the log in saw mills. We wrote you severel days since is regard to the washing

McA. & Bro., of Phila.-Be pleased to send an illustra ted catalogue to this office, and oblige yours.

D. R. K., of Philadelphia.—Grate bars of tubing filled

with water were illustrated in Vol. 4, Sci. Am. Bollers have been made with the fire in their centers. The raising of water in a vacuum can be obtained at a less cost by steam, than by the flame of alcohol, The lamp that you speak of to burn different fluids by separate wicks joined into one at the top can no doubt be made and the fluids burned together. A machine is Wanted to make ice cheap, in warm climates; who will make one? Your plan of a shoe last is good-lead outside, and something else inside. Zinc would not make a good carriage top.

D. P., of Pa.-If you mix the tar and black lead with some oil, you may get a coating for your rope to an swer a good purpose.

A. T., of Mass.—There is more carbon in the steel,

hence it is not so easily silverized as the wrought iron, We cannot give you the proper information desired.

G. McD., of Conn.-You could not get electrical attraction to operate successfully in attracting fur, for any practicable purpose in the arts.

W. T. C., of Mich.—The figures you speak of in Rules. are made with black paint, made with well boiled oil and lampblack, A patent might be granted for the gauge you speak of, but we do not know, because we are are not acquainted with its construction; no such apparatus to our knowledge is at present in use.

A. Z. M. D., of Phila.-Your article is very interesting. but we cannot publish it on account of its errors, for instance in the account of the three experiments there is no difference in the results according to the quantities of the two first, and you say there is an increase of seven, one teath per cent. In the third quantity you say 7 lbs. 19 czs., and 6 lbs. 23 ozs: there are only 16 ozs.in a pound. If you would make full corrections in another article of the same length we would like to publish it.

L. J., of Mich.-Would not Gwynnes' pump be the very one you want. There was another at the World's Fair in London, "Brooman's," constructed on the same principle, but different in the details, but no other cen-

trifugal pump was exhibited here.

L. D. A., of Wis.—The bichromate of potash is the substance used for making ink. It will not curdle the liquor if the process is properly conducted. The husks are dried in the shade first, then exposed to very warm sunshine before being used. The great object is to move the moisture entirely from them: that is all. We have found no trouble in making the ink.

P. P., of N. H.-Your idea of forcing a current of air through a tube by means of a fan blower, for supplying

apartments, is well known and could not be patented.

I. O. Spence, of Murfeesboro, Tenn.—wishes to know where he can procure machinery for making tubs and buckets.

G. C. S., of Ct.-We have very carefully examined the ketchof your blind slat machine, and we thinkit possesses novel features. The arrangement is different ny machine known to us for the purpose

F. G. W., Mass.-We do not know of any parties who would engage in the locomotive building in this city.—
Our attention was called to the importance of such a manufactory here by an editor residing in the interior You might be able to form an association with some one

by advertising in the city papers.

E. D. & B., of Mo.—By reference to our advertising columns you will notice advertisements of planing machinery, and we would advise you to write to the different makers for information in regard to the capabilities of their machines to perform your work. We should think either the Woodworth, Norcross or Beardslee machine would answer.

D. T., of N. Y.-You are certainly mistaken about the moon'srays. Thelunarays do exhibit chemical pro perties, or how could they affect the plate of daguerreotypists, and make the moon paint her own likeness The heat ray is said to be absent, not the chemical one

S. L. H., of Ill.-Your alleged improvement in governors for machinery appears to be more complicated than the kind ordinarily used. The arrangement ap pears to be new, and we should think patentable. We would advise a trial of it.

L. M., of Ct.—There appears to be novelty in your contrivance for fan blowers, and we would advise you to try it, and it operates satisfactorily you had better send us a model.

I. D. B., of Mass.-The public use of an invention for any period less than two years previous to an appli cation for a patent, does not invalidate the right of an inventor to a patent. The 15 months use therefore can not affect your claims.

A S., of N. Y.—Machines for adding, multiplying, dividing, etc., would be useful to those who are not "ready in figures." Such machines, however, are not uncommon, and we have not heard of any urgent call for them by the public. In vol. 6 Sci. Am. we published Nystrom's calculating machine, one of the most ingenious we have ever noticed in that line. To be useful however, it must be thoroughly understood-this is apparently the most difficult part of all.

O. W., of N. Y. : E. L. N., of Mass.; A. W., of N. Y.; J. J. A., of O.; J. H., of N. Y.; J. C. R., of O.; J. R. P. of N. Y.; R. M. W., of Va.; L. D., of N. Y., D. L. L., of Mo.: T. A., of Mass.: J. L., of Pa.; O. N., of Pa.; S. W., of N. Y.; A. H. C., of O.; F. A., of Ct.; J. C. R., of N. Y., and J. W., of Mass.,-

Your several inventions are in the hands of the draughtsman and engravers, (part of which are already completed by the artists) and will appear in the or-der in which application was made at this office for having them executed. We would remind those who are in haste to have engravings of their inventions published in the Sci. Am., that the earlier they send their letter's patent and order engravings prepared, the earlier will we be able to insert them. "First come first served," is our rule in publishing engravings, as well as in preparing applications for patents.

Money received on account of Patent Office business for the week ending Saturday, July 8:-

C. P., of Pa., \$10: S. H. G., of Ct., \$30; W. & W., N. Y., \$100: E. S., of N. Y., \$30; I. G. McF., of Pa., \$10: G, V. H., of —... \$10; J. T. B., of Pa., \$30; N. C. S., of Ct., \$30; U. G., of O., \$30: J. C., Jr., of Ct., \$30; L. & S. of O., \$25: H. & C., of N. Y., \$35; C. C., of S. I., \$30; N. M., of N. Y., \$25: A. M., of L.I., \$25.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, July 8:-

M. & S., of L. I.: H. & N., of L. I.: A. W., of N. Y.: J. C. F., of N. Y.: A. M., of S. I.; I. G. McF., of Pa.; L. & S., of O.; N. M., of N. Y.; H. & C., of N. Y.; L. S. M., of Mass.

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American and Foreign Patent Agency.

Agency.

IMPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in procuring Letters Patentfor new mechanical and chemical inventions, offer their services to inventors upon the most reasonable terms. All business entrusted to their charge is strictly confidential. Private consultations are held with inventors at their office from 9 A. M., until 4 P. M. Inventors, however, need not incur the expense of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express, or any other convenient medium. They should not be over 1 foot square in size, if possible.

Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequal-

our facilities for obtaining Foreign Patents are unequal-led. This branch of our business receives the especial attention of one of the members of the firm, who is pre-pared to advise with inventors and manufacturers at all times, relating to Foreign Patents.

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DUROPEAN PATENTS.—MESSRS. MUNN & CO. pay especial attention to the procuring of Patents in foreign countries, and are prepared to secure patents in all nations where Patent Laws exist. We have our own special agents in the chief European cities; this enables us to communicate directly with Patent Departments, and to save much time and expense to applicants.

SUBMARINE ARMOR-For sale,—A complete suit, with the Pump and rescuing apparatus, in excellent order and ready for immediate use. Address GEO. C. HOWARD. Tool Builder and General Machinist, 18th street, below Market, Philadelphia.

DARTNER WANTED.—In the foundry business, an old establishment, and in successful operation. Situated on a line of railroad, about 40 miles from Buffalo. This is a desirable effer. Address, if by letter, P. P., Box 27, Dunnyille, C. W. 44 2**

AIRMAN & WILLARD'S BORING MACHINE, for boring car wheels. This is the best machine in use, and warranted to bore thirty wheels in ten hours, and bore them perfectly true. It is equally well fitted for boring Pulleys, Gearing, &c. Price \$500, cash. JAMES W. HOOKER, 43 4eow Buffalo Machinery Depot, 36 Lloyd St., Buffalo.

NOR RAILROADS AND MACHINE SHOPS I am propared to furnish at the lowest rates, the following Oils: Pure Refined Sperm Sular, Sperm, and Singine Oil, for locomotives, 4c. Refined Silephant Oil for burning. Lard Oil, No. 1, 2 and with Lubricating Whats. and Resin Oil, for heavy machinury. Whats and Resin Oil, for heavy machinury. 43 4eow Buffalo Machinery Depot, 38 Lloyd St., Buffalo.

25 HORSE POWER ENGINE AND BOILER complete. Ready for shipment—has upright tu-bular boiler—cylinder-horizontal on heavy bed frame— flue heated governor, &c., for sale by, JAMES W. HOOKER. 433 Buffalo Machinery Depot, 38 Lloyd St., Buffalo.

DUFFALO MACHINERY DEPO'T. JAMES W. HOOKER. 36 Lloyd St., Buffalo, offers for sale all kinds of machinery, as follows: Engine Lathes, Planing Machines, Universal Ohucks, Caststeel Borers, Drills, Leather and Rubber Belting, Packing and Hose Oils, Millstones, Portable and Stationary Engines, Boilers, and Machinery generally.

33 tf.

PATENT ROCK DRILL.—The simplest, cheap-est and best ever offered to the public. For infor-mation apply to A. B. El-Y. Esq., Boston, Mass., agent of North American Rock Drilling Company. 43 3m

POR SALE, LOW.—The Patent of a Self-Unload ing and Adjusting Hay Elevator. Patented May 30th 1854. Address, Horstan, Pa. T.T. JARRETT, Patentee.

READING'S PATENT CORN SHELLER and Cleaner—capacity 200 bushels per hour. 9 first premiums awarded in the Fall of 1853. Patent Rights and Machines now for sale at the corner of 7 and Street and Pennsylvania Avenue, Washington, D. C. I challenge the world to produce its equal. Address personally or by mail. WILLIAM READING.

THE EUROPEAN MINING JOURNAL, Railway and Commercial Gazette. A Weekly Newspaper, forming a Complete History of the Commercial and Scientific Progress of Mines and Railways, and a carefully collated Synopsis, with numerous Hlustrations of all New Inventions and Improvements in Mechanics and Civil Engineering. Office, 26 Fleet Street. London. Price \$6 1-2 per annum.

United States Patent Office.

Washington, June 19, 1854.

On the Petitton of George Draper, of Militord, ent granted to him on the 28th of October, 1840, for an improvement in "rotary temples for looms," for seven years from the expiration of said patents, which takes place on the 28th day of October, 1834.

It is ordered that the said petition be heard at the Patent Office on Monday, the 16th of Oct next, at 130 clock, M. and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted.

Persons opposing the extension are required to file in the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing. All testimony filed by either party, to be used at the said hearing, must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 6th of Oct.; depositions and other papers relied upon as testimony, must be filed in the office on or before the morning of that day; the argument, if any, within ten days theresfeet. At this notice be published in the Onion, Incilligencer, and Evening Star, Washington, American, New York; and Post, Boston, Massachusetts, once a week for threesuccessive weeks previous to the 16th day of Oct. next, the day of heart.

P. 8—Editors of the above papers will please copy, and send their bills to the Patent Office, with a paper

P. 8—Editors of the above papers will please copy, and send their bills to the Patent Office, with a paper containing this notice.

M. CHAPMAN'S PATENT SAW FILING
Machine. The best known and without a rival.
The subscriber offers for sale Territorial Rights, and also builds and sends machines wherever they may be wanted. T. M. OHAPMAN, Patentee, Old Town. Act. 10.101

PALMER'S PATENT LEG—"The best appliance ever inverted." Pamphlets containing the testimolals of the first American and European surgeons, and other information soncerning this invention sent gratis to all who apply to PALMER & CO., Springfield, Mass.: or 376 Chesnut st, Philadelphia.

FONARD & WILSON-No. 60 Beaver st, and 108
Pearl st, have constantly on hand and for sale a full assortment of Machinists' and Carpenters's Tools, embracing every variety of Engine and Hand Lathes, Iron Planing Machines, Mortising and Tenoning Machines, Wood Planers, &c. Also, Leather Belting of all sizes made of the best oak tanned butts, stretched on powerful machines, riveted and cemented.

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IMPORTANT—To Machinists and Mathematical Instrument Makers. An application for a patent is on file for an attachment to Gear Cutting and other blviding Engines, by means of which the circle maybe accurately divided into any desirable number of equal parts. Persons wishing to use such an attachment, or to become otherwise interested in the right, will receive further information by addressing, post-paid, P. O., but 116, Worcester, Mass. WM. H. BROWN.

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DATENT RIGHT FUR SALE.—We are ready to dispose of the Patunt Right, for any part of it) of the best Stone Drilling Machine now in use, or we are propared to furnish working machines at very reasonable prices, these machines will drill from 1 to 7 inches in diameter, and 103 feet deep, and can be worked by Hand, Horse, or Steam Power, one machine performing the work of twenty-five men. For farther particulars and circulars with cuts address JAS, T. WHITTENDER, Agent American Manufacturing Co., 23 State street, Boston. Httr.... Btate struct 40 tf

M ACHINERY.—S. O. HILLS, No. 13 Plattest, N. Y. dealer in Steam Engines, Boilers, Iron Planers Lathes, Universal Chucks, Drills: Kase's, Von Schmidt's and otaur Pumps; Johnson's Shingle Machines; Woodworth's, Daniel's, and Law's Planing Machines; Dick's Presses, Punches, and Shears; Morticing and Tennoning Machines; Belting; Machinery Oil, Beal's Patent Cob and Corn Mills; Burr Mill and Grindstones; Lead and Iron Pipe, &c. Letters, to be noticed, must be post-paid. 37tfeow

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TAVE AND BARREL MACHINERY—HUTCH INSON'S PATENT.—This machinery, which releved the highest award at the Orystal Palace, may be seen there in operation during the ensuing season, Outling, Jointing and rosing Staves and Turning Heads. Staves and Staves and Staves are the season of the

ENTUCKY LOCOMOTIVE WORKS—Corner of Kentucky and Tenth streets. London Wille The proprietors of the Kentucky Locomotive Works would respectfully inform Railroad Companies and the public generally, that, having completed their establishment, they are now prepared to receive and execute for Locomotives, Passenger, Baggage, Freight, Gravel, and Hand Cars. of every style and pattern, as well as all kinds of Stock and Machinery required for railroads. Particular attention will be paid to Repairing, for which they have every facility. They are also prepared to contract on favorable terms for building all kinds of Machine Tools, such as Turning Engines, Lathes, Planers, Drills, Slotting, Splining, and Shaping Machines of every variety of pattern. Having also a large Foundry connected with the establishment, orders for castings are solicited, and will be filled with promptness. Car Wheels of any pattern can be furnished on short notice. Double and single plate and Spoke Wheels of all sizes constantly on hand. Communications or orders must be addressed to OLMSTED, TENNEYS. & PECK, Louis, ville, Ky.

DIG IRON—Scotch and American; also English Boiler Plate and Sheet Iron, for sale at the lowest marketprices, by G. O. ROBERTSON, 125 Water st. cor. Pire, N. Y.

JOHN PARSIILEY, No. 5 and 7 Howard st., New Haven, Ot., manufacturer of Machinists' Tools, and Steam Engines, has now finishing off 25 Engine Lathes, 6 feet shears, 4 feet between centers, 15 inches swing, and weighs about 1100 lbs. These Lathes have back and sorew gear, jib rest, with sorew feed, and the rest is so arranged that the tool can be adjusted to any point the work may require, without unfastening the tool, hence they possess all the good qualities of the jib and the weight lathe; they are of the best workmanship. Price of Lathe with count shaft and pulleys, \$155 cash. Outs, with full description of the lathe, can be had by addressing as above, post-paid. Also four 20 horse power vertical Steam Engines with two cylinders. Frice of engine with pump and heater, \$800 cash. For particulars address as above.

REWARD—To the Manufacturers of Bank Note Paper. The Executive Committee of the Association of Banks for the Suppression of Counterfeiting, hereby offer a reward of One Hundred Bollars for the best specimen, in the opinion of the Committee, of Bank Note Paper, of not less than five hundred sheets, which may be submitted to them on or beforethe 1st day of January next. All paper submitted, except that selected by the Committee, to be returned to the persons submitting the same.

Boston, Mass., March 31 1584. 3115*

NUCTON FOUNDRY AND MACHINE WORKS S. W. corner of Green and Morgan streets, Jersey City, N. J. The subscribers are propared to contract for dugar Milisand Mining Machinery of every description. Horizontal Steam Engines of various Sies Consequity on hand. All orders executed with promptiness 413° FIELDS, BROTHER & CO.

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NORCROSS' ROTARY PLANING MACHINE.
The Supreme Court of the U.S., at the Term of 1853 and 1854, having decided that the patent granted to Nicholas G. Norcross, of date Feb. 12, 1850, for a Rotary Planing Machine for Planing Boards and Planks, is not an infringement of the Wood worth Patent.
Rights to use N. G. Norcross's patented machine can be purchased on application to N. G. NORCROSS.

208 Broadway, New York.
The printed Report of the case with the opinion of the Court can be had of Mr. Norcross.

ACHINERY FOR SALE—The following machines are for sale at the "Scientific American", Office:—Alcott's Concentric Lathe, price \$25.
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B. ELY, Counsellor at Law, 52 Washington street, Boston, will give particular attention to Patent Cases. Refers to Messrs Munn & Co., Scientific American. 16 1y*

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