3n, 607.-S. P. Patten, of New York City, assignor to
himself and S. A. Nickerson, of Brooklyn, N. Y.,
for an Improvement in Capstan Windlasses:
I clitim combining the capstan with the burrel of the wind
 thanind with one or more movrabe
tion is either of the modes specified.

Solo:non E. Bolles, of Mattanoisett, Mass., for an Im
proved Machine for Raising and Transporting
Stones. Patented April 10, 1855 :
I claim my inpproved stone carriage or: arrangement of derrick,
Cojen bid frame, $A$, and tivo separate or disonnected wheel


 Extensions,
Alfied Judson, of Rochester, N. Y., and T. D. Jackson, late of New York City, deceased (Elizabeth N. Jackson, administratrix), for a Bell Telegraph.

Patent dated October 17, 1846. Re-issued De-
cember 26, 1848 :
Wemher clam, fifth, The combination of the bell, pulling wires, and
miolinery of the enuaciator or telegrapla as described, or equival-


 Sitlicond the tumbirinum drop comberinat an
ner and for the purpose set forth.
B. F. Palmer, of Philadelphia, Pa., for an Improve ment in Artificial Legs. Patent dated November 4, 1846:







THE RISE AND PROGRESS OF INVENTIONS

aring the period of Fourteen Years which has elapsed since the business of procuring patents for inventors was conimenced by Mons \& Co., in connection with the publication of this paper, the number of applications for patents in this country and the United States Patent Office last year (1859) amounted to 4,538 ; while tlie number granted in the year 1840 -fourteen years agonumbered 503 -only about one-third as many as were granted to Hfic American Patent Agencs, 1,440 during the year 1859. The increasing activity among inventors has largely augmented the number of agencies for transacting such business.
In this profession, the publishers of this paper have becomeiden tified with the univeran brotherhood of Inventors and Patentees a home and abroad, at the North and the South; and with the inreased activity of these men of genius we have kept apace up to this time, when we find ourselves transacting a
this profegsion than anyotherfirm in the world
Wo many anfely assert that no concern has the combined talent and facilities that we possess for preparing carefully and correctls applicsti.
free examination of inventions.
Persons having conceived an idea which they thinkmay be patentable are advised to make a sketch or model of their invention, and submit io us, with a full description, for advice. The points of ovelty are carefully examined, and a reply written corresponding ith the facts, free of charge. Addjess MUNN \& CO., No. 37 Park oir, New York.
preliminary examinations at tife patent office. The advice we render gratultously upon examining an invention docs not extend to a scarchat the Patent Office, to seeif a like invention has been presented there, but is an opinion based upon what knowledge we may acquire of a similar invention from onr long xperience, and the records in our- Home Office. But for a fee of b., accompanied with a morlel or drawing and description, we have special search mat reprit setting forth the prospects of obtaining a patent, \&c., made ap and mailed to the inventor, with a pamphlet, giving inatructions ar fruther proceedings. These preliminary examinations are made hroush our Branch Office, corner of F nnd Seventh etreets, Wash ington, by experienced and competent persons: Over 1,500 of these examinations were made last yenr through this ofice, and ras a men ure of prudence and economy, wa usually adviee inventors to have preliminaris.examination made. Address MUNN \& CO., No. 3 Park-row. New York.
Porsons desiring to filo a caveat cais have the papers neepared on
tion. The government fee for a caveat is $\$ 20$. A pamphlet of advice
regarding applications for patents and caveats furnished gratis on regarding applications for patents and caveats furnished gratis on
application bs mail. Address MUNN \& CO., No. 37 Park-row, New applica

HOW TO MARE AN APPLICATION FOR A PATENT.
Fivery applicant for a patent must furnish a model of his inven tion, if susceptible of one; or if the invention is a chemical produc tion, he must furnish samples of the ingredients of which his compo sition is composed for the Patent Office. These should be securely packed, the inventor's name marked on them, and sent, with the verament fee, by express. The express. charges should be pre paid. Small models, from a distance, can often be sent cheaper by mail. The safest way to remit money is by draft on Nev York, payable to Munn \& Co. Persons who live in remote parts of the wow Yok corually hase draif eut York correspondeats, but 1 not convenient to do eo, therc is aribl tered by the
Neir York.
We are rejected airplications.
one reshing of ies for the examination and comparison of veferences rare opportuni ing documents, Our success in the prosecution of rejected cases has been tery great The principal portion of our charge enerally left dependent upon the final result.
All personshaving rejected cases which they desire to have pros ated are invited to correspond with us on the subject, giving brief history of their case, enclosing the official letters, \&c.

FORLIGN Patents.
We are very extensively engaged in the preparution and secnring patents ia the various European conntres. For the transaction of號 We think we can safely say that three-fourths of all the European Agency.
Inventors will do well to bear in mind that the Eaglish law doe not limit the issue of patents to inventorg. Any one can take out patent there.
Cirenlars of information concerning the proper course to be pur ued in obtaining patents in foreign countries through our Agenc the requirements of the different Patent Offces, dec., may be had ratis upon application at our principal office, No. 37 Park-row, New York, or either of our branch offices.

## TESTIMONIALIS.

The annexed letters, from the last three Commlssloners of Patente, e commend to the perusal of all persons intereated in obtainin Patents:
Messrs. MUNN \& Co.:-Itake pleasure in stating that while I held
 donut that the public confidence thus indicated has been fully de-
served as I have always observed, in all your intercoursc with the
Office, a marked degree of promptness, skill and fidelity to the interesta of jour employers. Yours, very truly, (rHAS. MASON.
Immediately after the appointment of Mr. Halt to the office Immediately after the appointment of Mr. Hnt to the office o
Postmaster-General of the United Stateas be addressed to us th
 our duties of Solicitors of Pattents while which you have discharged ne nfice of Commissioner. Your business was very large, and you
nistained (and, I doubt not, justly deeerved) the reputation of cn-


Mesers. Munn \& Co.:-Gentlemen: It gives me much pleasure $t$ ay th ore the Patent Nffice was transacted through yonr agency, and that
have ever found you faithful and devoted to the interests of your Attorneys with skill and accurncy. Very respectfully.

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J. A. C., of C. W.-Electricity from a galvanic battery can be accumulated by means ofa Levdenjar if the battery is one of high intensity, thas is, consisting of a considerable number of plates. Conncct one pole with the inside of the jar and the other with the outside.
S. F., of Pa.-The reporter, doubtless, meant to say that, by ralsing the temperature of iron from $1,0000^{\circ}$ to 1,5000 , the light emitted from it is increased forty fuld.
R. S., of Mass. - Yout can reduce quartz to a liqnid by grinding it to powder, then boiling it in a close vessel with strong caustic slkali.
L. A. L., or N. Y.-A small portion of calcined alum in poivder added to black lead, and mixed with some beer and little asphalt varrish (made with turpentine and asphalt) thould make a good stove polish to prevent the metal rusting in your la boratory
M. S., Jr., of La.-The walls of tho basements of ouses in this city situated nenr the rivera, and exposed to tids verflows, are usualis linid in hot asphalt. The archee of cellarm laid nnder the eidewaiks in our streets are also usnally covered ont witer from the enrface. Cieterns made in the "bottoms of the Mississippi," eubject to overflows, if coated ineide with good hydraulic cement and outsidewith hot asphait, alould be perfectry tight The hy dranlic cement rhich you have used seems to have been of an inferior qualits.
R. R. T., of N. Y.-The bill to amend the Canadian Patent Larr did not paps int the lant session of Parliament. Amer sent. It io a thame and diograce,
W. H. H., of Tenn.-A large building in Paris which hadone of its stone walls bulging outward was straightened bs running an iron rod through the waile, on the outcr end of which was a broad plate of metal placed inicice of a nut working on the screw of the rod. By henting the rod inside of the building, the metal expanded ; then the nut, with its broad plate, was ecrewed up close to the face of the wall against the bulged part. When the rod cooled, the force of contraction in the metal was so erreit that it strigightened the wall in a very satiefnctory maumcr. Thi plan you could employ for sour brick honse ; but it may be too troublesome and expensive. We do not remember any other me thod that we could recommend. Probably ycur house many be able to stand for quite a number of years, with its uneven walls.
F. D., of N. Y.-Mildew may be removed from white linen and cotton clothes by waehing and bleaching, and especially by using a little chlorine water for the bleaching action. By placiag aithe salt on the mildew staina, then squeczing sum Good buting and lule lo ruber mith a Good is the only treatment we recommend for millew on siter ward
W. M. McA., of Pa.-You will find most of the fucts known in regard to aluminum in back numbers of the SoInstifie Anmarian. It is a bluish-white metal, very light, ite specifle grav ity being 2.56 . It is easily worked, and can be hammercd, rolled or cast: its melting point being about the ame nsthat of eltrer, which ls $1,873^{\circ}$ Fah. It is nearly as etrod
E. M. C., of R. I.-'There are many plants which con tain india-rubber in small quantitics. The common milkweed i a specimen.
K. S. W., of Ga.-Tho stains made on fine linen with the oil from sewing machines are very difficult to remove; but this can be done'with a little oxalic acid in solution after the oil is washed out. The color is due to the oxyd of iron in the oil, which cannot well be removed from light colored woolen
without injury to the texture of the fabric.
S. D. 'T., of N. Y.-You may preserve your cider good and perfectly areet for a long time by keeping it in close cakke and placing a very small quantity of the bisulphide of lime in each
D. C., of Va.-We are glad to know that you are doing well with your invention. We cannot advise you, however, to ap ply for a patent on the washing machine. A roller swinging ove a corrugated concave bottom is an old device. We hope jou will encceed in procuring us a good club of enbscribers to our paper fo the new volume, which will commence oa the firet of duauars M. P. F., of N. Y.-The mauve dye is made of aniline and the bichromate of notash. The description for making tho purpledye from conl tar you will find on page 68, Vol. II., of the Solevtifio Ambitcan.
J. S., of N. Y.-Amber varnish for violins is thinned with refined turpentine to reduce it to a propercondition for application. In varnishing a violin, all the old varnish should be care fullyscraped off before the new is applled, unless a very thin coat is required.
J. Y. H., of Pa. - We do not think your plan of n long canvas screv for a flying machine as cood as a short en: anl. Ther will be no difficulty, however, in arranging the apparatus, if an engine is produced of sufficient power in proportion to its weigh to raise itself by turning fans
C. L. P., of N. Y.-We hope you may be successfnl with your lath machine. It is a good plan to try experiments a youare doing, and thus settle the practical value of your inven tion at the outset.
C. C. P., of Texas.-You are evidently possessed of much inventive talent, and it only needs to be directed toward practical results to be crowned with succese. It is not a part of our business to negotlate the eale of inventions, but we advise you to find a capithist at home to aid you in developing your impros ments. Do not get too many irons in the fire.

## MONEY RECEIVED

At the Scientific American Office on account of Patent Office business, for the week ending Saturdar, Nov. 10, 1860:B. T. B., of N. Y., $\$_{30}$; T. N. R., of N. Y., $\$ 110$; G. A. D., of Cal., $\$ 12$; M. A. W., of Cal., $\$ 50$; G. S. K., of Wis., $\$ 20$; E. W. K., of
$\mathrm{MI.} \$$,30 ; S. A. Co., of N. Y., $\$ 525$; P. L., of N. Y., $\$ 25$; C. \& E., of M1., $\$ 30$; S. A. Co., of N. Y., $\$ 525$; P. L., of N. Y., $\$ 25$; C. \& E., of
Ohio, $\$ 10$; J. G., of Ohio, $\$ 25$; J. G. W., of N. Y., $\$ 300$; E. G. D. Ohio, $\$ 10$ : J. G., of Ohio, $\$ 25$; J. G. W., of N. Y., $\$ 300$; E. G. D.,
of N. Y., $\$ 30$; A. L. B., of Mass., $\$ 30$; D. H. F., Jr., of Mo., $\$ 30$; H. \& M., of Ohio, $\$ 30$; E. C. T., of N. Y., $\$ 30$; H. N., of N. Y., $\$ 25$ W. C., of N. Y., $\$ 25$; T. N. H., of Mo., $\$ 35$; J. C. T., of MI., $\$ 30$
J. R. I., of N. Y., $\$ 250$; H. M. B., of Ohio, $\$ 35$; S. K. W., of Pa 20. D, of N. Y., $\$ 25$; S. N., of Mi, $\$ 250$; S. W., of Ga $\$ 30$ : J. K, of N. Y., $\$ 38$; J. E. G., of III., $\$ 250$; H. \& W., of Mass. G. P. R., of Mass., $\$ 30$; G. \& S., of Mich., $\$ 15$; E. S., of N. Y.
$\$ 30 \cdot$ B. M., of N. Y., $\$ 30$; E. 1I. B., of N. Y., $\$ 35$; A. L. F., of Pa $\$ 35$; P. H., of Mass., $\$ 30$; $\Lambda$. L. S., of S. C., $\$ 30$; T. K., of N. Y. $\$ 25$; P. S., of N. Y., $\$ 30$; W. H. RR, of N. Y., $\$ 250$; J. H. R., of
Ten.n., $\$ 35$; H. \& S., of Pa., $\$ 30$; C. B. T., or Cal., $\$ 20$; D. M., of Ohio, $\$ 20$; B. D. T., of N. Y., $\$ 25$; J. B. of Germany, $\$ 25$; J. L., of N. Y., \$2a; O. R. B., of N. Y., \$12; S. © S., of Pa., \$30; R. C. M. Iewa, \$10.

Specifications, drawings and models belonging to par ties with the following initials have been forwarded to the Paten Office dnring the week ending Saturday, Nov. 10, 1860:-
T. N. R., of N. Y. (2 cases) ; Pi C., of N. Y.; F. W. R., of Ind.; H. C. A., of Ill.; G. W. C., of Texar; J. L., of N. Y; M. \& S., of Kg. B. D. T., of N. Y.; A. L. F., of Pa.: E. P., of Mass.; J. G., of Gra R. C. B., of N. C.; C. W., F. of Il.: P. M.. of Mich.; T. E. B., of
 J. T. P. of Conn.

