 , 600 Disigins
1,600 a Parlor Stove.
$1,601 .-\mathrm{T}$. (r. Bering, of Philadelphia, Pa., for Design for

1,(i02.-J. G. Folsom and B. D. Whitney, of Winchendon, Mass., assignors $t_{0}$ J. (i. Folsom atoresaid, tor ])esign for a Sewing Machine Fram 1, ci0:3. Fl'. W. Jackson, of New York City, for Design for
a Fire-place Frame.

## patents for seventeen years



The new Patent Laws enacted by Congress on the $2 d$ of March, 1861, are now in full force, and prove to to ali parties who are concerned in new inventions.
The duration of patents granted under the new act is prolonged to seventern years, and the government fee required on filing an application for a patent is reduced from $\$ 30$ down to $\$ 1.5$. Other changes n the fees are also made as follows
On filing each Caveat ........................................

On application for Re-issue.....
On aptication for Extension of Pateit.
on cranting the Extension
ation for Exte
ting the Extens.
Distilimer.
pplicaurn for

The law abolishes discrimanation in fees required of $f$..... $\$ 30$ cepting reterence to such countries as discriminate against citizens of the Jited states-thus allowng English. French, Belgian. Austrian Russian, Spanish, and all other foreigners except the Canadians, to enjoy all the privileges of our patentsystem (exceptin cases of designs) on the above terms.
During the last sixteen years, the business of procuring Patents for new inventions in the United states and all foreign countries has been conducted by Messrs. MUNN $\& C \bullet$., in connection with the publication of the SCIENTIFIC AMERICAN ; and as an exidence of the confidence reposed in our agency by the Inventors throughout the country, we would state that we have acted as agents for more that FIFTEEN THOUSAND Inventors! In fact, the publishers of this and Patentees at home and arooad. Thousands of Inventors for whom we have taken out Patents have addressed to us most fiattering testimonials for the services we have rendered them, and the wea th which has inured to the Inventors woose Patents were secured hrongh this Otice, and atterward illustrated in the SCIENTIFIC AMERICAN, would amount to many millions of dollars! We would state that we never had a more eflicient corps of Draughtsmes and Specitication Writers than are emplosed at present in our extensive Onices, and we are prepared to attend to Patent business of all kinds in thequickest time and on the most hiberal terms.

The Examination of Inventions.
Persons having conceived an idea which they think may be patent. able, are advised to make a sketch or model of their invention, and are carefully exath a full description, for advice. The points of wovelty facts, free of charge. Address MUNN $\& C \bullet$., No. 3'7 Park-row, New York.
Preliminary Examinations at the Patent Office, The advice we render gratnitousty upon examining an invention does notextend to a search at the Patent Office, to see if a like invention has been presented there, but is an opinion hased upon what knowledge we may acquire of a similar invention from the records in our Home - Hice. Bur for a fee of \$5, acompanied with a model os drawing and description, we lave a special search made at the United States Patent Office, and a report setting forth the prosperts of obbaining a Patent *c., made up and mailed to the Inventor, with a pamphlet, giving instructionsfor further procfedings. These preliminary examinations are made through our Branch omce, corner of F and Seventh-streets, Washington, y experienced and competent persons. More than 5,000 such exammations have been mide through this office during the
past three years. Address MUNN \& CO., No. 37 Park-row, N. Y.

## How to Make an Application for a fatent.

Every applicantfor a Patent must furnish a model of his invention. If susceptible of one; or if the invention is a chemical production, he must furnish samples of the ingredients of which his composition consists, tor the Patent iffice. These should be securely packed, the nventor's name marked on them, and sent, with the government fees by express. The express charge should be prepaid. Small models from a distance can oflen be sent cheaper by mail. The safest way to remit money is by draft on New York, payable to the order of Munn \& Co. Persons wholive in remote parts of the country can usually purchase draftsfrom their merchants on their New York correspondents; but, if not convenient to do so, there ss but little risk in seading bink bins by mail, havingthe letter registered by the postmasier. Address MUNN \& Co., No. 37 Park-row. New York.

Caveats.
Persons desiring to file a Caveat can have the papers prepared in the shortest time by sending a sketch and description of the invention Thegovernmentfee fora Caveat, under the new law, is \$10. A pam-
phlet of adviceregarding appliations for Patentsand Caveats, in En-
clish and German, furnished gratis on application mail. Address
UUNN MUNN * GO., No. 37 Park-row, New York.

## Foreign Patents.

We are very extensively eugnged in the preparation and securing of Patents in the various Europeancountries. For 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 can safely say that thrber-povathe of all the European Pat onts secured to A merican citizens are procured through nur Agency.
Inventors will do well to bear in mind that the English law does nct Inventors will do well to bear in mind that the English law does nct limit the issue of Patents to Inventors. Any one can take out a Paten
here. here.
Circulars of information concerning the proper course to be pursued in obtaining Patents in foreign countries through our Agency, the re
aurements of different Patent iflices, \&c., may be had gratis upon ap unrements of different Patent ©flices, \&c., may be had gratis upon ap wlicetion at our princing
of ouranch Officea

## IRejected Applications.

We are prepared to undertake the in vestigation and prosecution of re We are prepared to undertake the investigation snd prosecution of relected cases, on reasonable terms. The close proximity of our Wash-
ington Agency to the Patent ington Agency to the Patent ©lice affiords 12 rare opportunities forthe
examination and comparison of references, models, drawings, docuexamination and comparison of references, models, drawings, docuvery great. The principal portion of our charge is generally left de pendent upon the final result.
pendent upon the final result.
cuted are invits correspond with us ou the subject, givine a bries cuted are invita corlespond with us ou the subje
history of the case, inclusing the official letters, ac.

## Assignments of Patents.

The assignment of Patents, and agreements between Patentees and manur Patce Address MUNN \& $\mathrm{C} \bullet$., at the scientific Amoric the entAgency, No. 37 Park-row, New York.
It would require many columus to detail all the ways in which the Inventor or Patentee may be served a.t oúr offices. We cordially invite all who have anything to do with Patent property or inventions to call at our extensive offices, No. 37 Park-row, New York, where any ques. tions regarding the ricits of Patentee, will he cheerfully answered.
Communications and remittinces by mail, and models by expres Communications and remittinces by mail, and modele by express York.

H. K., of Wis.-Your application for a patent is now pend ing before the Patent Ollice. We camnot, the refore, introduce inti the paper any such additionai matter as yon describe. If the ad
dition:limpovement is important, you had better make a new case of it ; in fact, your can proceed in mo other way
J. G. S., of Conn. - Whether a third party could patent, or use a combination commsed of elements existung in two prior pat ents, depends altogether on the nature of the patented claims
S. M., of Del.-The changing of one fluid for another in a chamber, for keaping coot the tube of a kerosene lamp wick, would nat be patented. For a description of Adamas see page 340 of this
W. A. C., of Mass.-We can supply the back numbers e the Somatipe Ambacan th Jamary last. We shan be haphy to enrol your friend's name amomgat onr list of subscribers. It is no bew to provide a cannon with a central twisted or rilled rod, an construct mojectiles ior the same with twisted or rifled central openi,
tion.
W. S., of Ill.--You do not require any ingredient in boiling water to soften the timber that may be boiled therein, such as plow handes, for the purpose of bending them. Steaming timber will answer just is well as boiling it
R. H., of Pa.-Cement to stop the seams of a boiler from leaking, should always be applied inside. In a lowomotive carrying the usial high pressure steam, the best cement is of little avail. O. O., of N. Y.-Water may be admitted into the Stevens floating battery by pumping or by a valve in the bottom. It is discharged by a pump. Water ballasting is employed in some of the cont carrying vessels in Eneland.
J. W., of N. J.-Gem salt must be a local term. If it is nsed for petrifying sibstances, as you have stated, it is probably the Suate of lime.
J. L. H. , of Minn.- There is not any metallic alloy that will expand and contract, as picking in a cylinder, in the ame atio as the cast irm of the cyinder. One sulyare fout on grate surface, linse power of a boiler. Only one half the flue or the tibe surfuce is cousidered dllective heating surface
. H. G., of Iowa.-So far as we have been able to ascertain, American sweet potatocs have not yet become anarticle of ex port to Europe. If packed in drysaw dust and kept dry, we think R , of N Y There in no pullished
. R., of N. Y.-There is no published work extant which contains illustrations and descripions of the improved apparatus Iatcly introtuced for heating buildings with dry firc heat, hot water and steam. You can only oftain a practical knowedge of these by thought you wisheed to get a work like Griscom's on Reid's, chienty thought you wished t.
devoted to ventilation.
T. E. M., of Phil.-Plaster of Paris figures may be bronzed by giving them a few conts of size, ahtowing each th diy, then amplying the bronze as a varnish. Bronze powders of all collors can be purchased at almost every store where artists' materiais are sold. ply them to the figures with brush The bromze may also be dupe ply them to the figurs on when the size is damp. Melen pitch is abont he hest cement ing the kernel of the nuts and submitting this to pressure in bass It is said to be inferme to olive nill for the hair
J. II. B., of Minn.....We cannotrecommend you to a better source for ohtaining information respecting governors of stean These These contain illustrations of most of the inproved governors. The We do not know where A. Judsun the inventor of he Judsoll Fill resides at present
V. P., of Md.--The law is silent as to the time when the $\$ 20$ atditional fre shomal we pail on the issur of Leterers patent. It you have no good reasoms for delas, we autise yon to fow ward the fer at once and have vins patentissue, as yon are less likely to en comber an interfering application
Special Notici- Foreign Patent.-The population of Great Britain, is $30,000,0100$; of France, $35,000,(1010)$; Belgium, $5,000,(000$,
 Patents may he sechrel by American cirizens in all of these comp. tries. Now is the time, whe busmess is dunt lome, to take an vantage of these immense foreign fields. Nechanical improvement of all kinds are anwaysin demand in Europe. There will never he a better time than the present.o take patents aboad. We havere liable busimess comections whe the principal capitals or Europa Nenly nil or row, New York. Circulars about foreyn patents furnished free.

## Money Received

at the Scientific American Office on account of Patent - nice business. during onc week prececting Wednesthy, Jun 11, J. E. T, N. Y \$15. J. B. W., of N. J., \$10; II. B. S., of Ill., \$15; D., of Pa., $\$ 15 ;$ J. II. \& G. W. S., of N. Y., $\$ 25$; M. W., of Kiv., 22 ; C F. Ber R I Sill: J. D oi. Mich, $\$ 35$; E. W, Mrss. $\$ 25$ S. B., of $0, \$ 1.5$; T. M. С., of Me., $\$ 25$; J. E K., of N. Y., $\$ 20$; J K. B., of Ind., $\$ 2.5$; S. M., of Del., $\$ 25$; K. d Hi., of Wis., $\$ 30$; C. M.,
 ., of II1., \$15; B. S., of N. J., \$15; H. II., of N. Y., \$10: L. \& P. K D., of N. Y., \$15; B. R., of Mass., \$40; K. \& M., of Ill, \$25; D. \& R., fluna, §25; J. A. R, of N. Y., \$15; J. S. R., of N. Y., \$15; J. J.,


 P. P., of Conn., $\$ 10$; G. M. H., of N. Y., $\$ 25 ;$ L. L., of N. X., $\$ 25$; ©
W., of N. Y., $\$ 20$; J. I. K., of Pa., $\$ 20$; J. C. M., of Ill., $\$ 20 ;$ R. D. W., of N. Y., $\$ 21$; J. II. K., of Pa., $\$ 20$; J. C. M., of Ill., $\$ 20 ;$ R. D.
D., of Inwa, 20; P. d 1., of Ill., $\$ 20 ;$ E. II. C., of N. Y., $\$ 20 ;$ J. B., of N. Y., $\$ 20$ D. D., of N. Y., $\$ 10$; F. W., or N.J., $\$ 20$; II. W. O., of Com., $\$ 20$; A. ،2.L, of Wis., $\$ 50$; B. \& E. II., of Ill., $\$ 20$; W. II. W., of N. Y., $\$ 20$; W. B., of N. Y., $\$ 20$; J. S. B., of Ind., $\$ 20$; A. B. C., of
 $\$ 20$; J. D. S., of $\ln . \$ 20$; W. F., of Germany, $\$ 20$; C. © (G. M. W., of
N. Y., $\$ 40$; R. A. T., of N. Y., $\$ 20$; N. McG., of N. Y., $\$ 15 ;$ M. R. S., N. Y., \$40; R.
of $\mathrm{N} . \mathrm{X} .$, , 830 .

Specifications and dorawings and models belonging to parties with the following initals have been forwarded to the Patent Ollice from June th to Wedursday, Jone 11,1862 -
R. A. T., of N. Y.; C. \& G. IT. W., of N. Y. ; A. I. A., of Wis. ; L. L of N. Y. ; G. B. H., of N. Y.; J. G. W., of N. Y.; M. R. S., of N. Y.; J K. B., uf Ill. ; J. D., of Micl.; E. W., of Mass. ; C. de C. of M. T. M.
 liss.; W. H. W., of N. Y.: J. (i Y., Jr, if Y., J. II. II., of N. H. K. F., J., of Mass. ; M. \&i K., of Inl.; W. ،\& T., of N. Y. ; J. T., on N. ., (2cases, ) C. A. M., of Pa.; S. B. E., of Cumn. W. H. G., of N. X. ( cases, ) II. I. S., of N. Y.; J. K.. of N. Y.

## TO ODR READERS.

Models are required to accompany applications for Pitents nnder the new law, the same as formeriv, except on design patents
when two good drawings are all that is required to petition, specification andoath, except the government fee.
Patent Clayms.-Persons desiring the claim of any invention which has been patented within thirty years, can obtain at copy by addressing a note to this olice, stating the name of the pat entee and date of patent, when know in, and inchusing $\$ 1$ as fee ior copying. We can also furnish a sketch of any patented machine issned
since 1853, to accompany the claim, on receipt of $\$ 2$. Address MU NN since 1853 , to accompany the clai $m$, on receipt of $\$ 2$. Address MU NN \& CO., Patent Solicitors, No. 37 Park Row, New York.
Recerpts.-When money is paid at the office for sunscriptimes, a receipt for it wili aiways be given; but when subseribers pemit their money loy man, they may consider the arrival or hie fing ncaliable Rule.--It is an established rule of this office to stop sending the paper when the time lor whirh it was pre-paid has expired.
Naw Pamphlets in German.-We have jusi issued a re vised edition of our pamphlet of Instructions to Invertors, containing in the German language, which persons can have gratis upun appit cation at this ofice. Address

MUNN \& Ce.,
No. 37 Park-row, New Yark.
Back Numbers and Volumes of the Scientific American. volumes i., If., it., iv., v. (new sertes) ComWetc (bomed ur cubbonnl) may be harl at this nfice and from all peesiod ical dealers. Price, bund, $\$ 15 x$ per volume, by mail, $\$ 2-$ which in hame in the Unitucd states shonld have a eomplete set of this fublica tion for reference. Sumeribers should not fail to proserve their numvers for binding
We are preprired to hind volumes in handsome covers, with illu minated sides, and t. furnish cevers for other hinders. Price for Selivered at the office, 40 cents.

