for the bench of the Supreme Court of the State of Iowa, and the latter is the Postmaeter-Gener:al of the United States:


 Oftace, a murked degree of promptness, skill, and fidelity to the in-
terests of your cmployers.
Yours, very truly,
Immediatoly after tha appointment of Mr. Holt to the office Immerintely after tha appointment of Mr. Molt to the oflice sf
Postmaster.General of the vinted Stotes, he addresed to us the
subioined very gratifying testimonial:-


 marked ubility, and nucumpronising fidelity in performing your pro. essionall engagements. Very respectully, Your obedient servant, J. HOLT.
Pranctat, Officz-37 Park-row, Nent York.
Brancy Officti-Corner of $F$ and Seventh-streets, Washington, $D$. ., opposite the Vinited Stater Patent Office.
Fozinan Orficte-London, fig Cha cery-lane; Paris, 29 Boulevard St. Martia : Bru.zels, 26 Rue des Eperonniers.
A Paymber and Cidectan of $\Lambda$ dmor, "How to Procure Americin and Foreign Patents,' sent froc on application. All communics tions considerod oonfidential, and should be addressed to MUNX \& CO., No. 57 Purts-row, New York:
 had great fuccess.

W. $\Delta$. S., of $\Delta_{r k}$ - We regret we must decline publishing rour second letter. It contains scms thoughts of general intercst to the puiblic. There is, however, a mechanical obstacla to its publication. The handwrittng is excoedingly minuto calmost requining a nicroscope for its pernsal); it is also otherwiso very shogible, and the intter is uritten on both sides of the paper. This lust fault, though common to persons unaccuatomed to writing for the press, gives great trouble to the printer andis almost alwafs
fital wo the author, unless tho writing is exceedingly distinct which is far from thing the cass in the preeent inetance.
G. O. K., of Vt.-The best way for you to procure a eecondhavd steam.engine will be to adrertisa for it in the Some swis Alezacis. You will find our terms on nnother page
W. P., of Ohio. - In the answer to you on page 126 of our present volum", the word "feet" should have rend "Inches." A lube 1,728 Inchee bigh and of one square inch arca contains a cubic lost of water which weighs $619 / 2$ vounds water, and exerts this amount of pressure on its base. A slmilar tube of 1,699 Inches (44. foet) high cantalns a bont 61 pounds of water; a round tube one inch In dlameter, and 173 feethigh, contalas nearly the eame quantity of Infurred with erts ance intenso pressure oa its base. As has bern times takisg place, in answering so many correspondents, and times takijg place, in answering so many
using bo many mixed terms and quantities."
W. M. F., of Pa.-Wagon brakes have been patented to accompllsh what 5 ou desire. If sou have enjthing new in this department of invention sou are entitlad to a patent for it. Send us a description of it for exam:nation.
C. R., of Tenn.-If some nitrate of silver is added to printers'ink, it will make indelible stenc:link.
J. L. M., of Ind.-On page $5 \Omega$ of the present volume of the Sictextipe Angriess, you will find instructions for platiag on fron. We know of no such book as you describe suitable to cvery
E. H. B., of Mass.-You can make black impression paper with gljecerine and lamplack, niso with fresh butter and lumplaci; dry as wellas possible after application
T. McC., of N. Y. - You can easily calculate the power of a hydraulic press by multiplying the pressure on the square inch Into the water area of the ram in equare inches, and by the apced, in feet, per minute of the piston. As your ram has an area of 14.75 , Ifit moves at the rate of two fect per minute its dower will be one-glxthof a horse- $512 g .101 \mathrm{bs}$. lifted one foot in one minute. Coassult a work on horolo y about pendulums.
E. B., of S. C.-Your idea of placing $a$ perforated diaphargmat the bottom of the eteam-chamber to prevent water bring ca:Tled upiato it is an old ouse, and so is the surfuce wall for colllecting and conveying away tha foam. We do not vees well unclerstand $\varsigma$ our bulk head, owing to the imperfection of your drawing,
but have seen somethiag very much like it. We have sent to your address oue of our pamphlets of information.
R. D., of C. W.-We thank you for proposing to get us up a club of subscribers. We are now eloctrotyping our numbers each week, and can therefore supply back numbers at all times. Phater-of-Paris can hold boiling water without bcing much affected parte, mixed up with vhite lead paint, will answer well, we believe, parte, mixed up with ohite lead paint
for stopping the leaks in your tan'k
D. I. of Pa.-We do not know of any substance suitable for cleaning fiy specks from the feathers of stuffed birds. You had better consult eome taxidermist in Philadelphia.
H. M. S., of Mich.-The coal of a wood fire burned in the open air is different from charcoal burned in a pit. The In a very ferr minutes atter it is laid. Platinum is the most exnan. sive motal by heat, and wrought expands more than cast iron. Allow dull files to lay in dlluted sutphuric acid untll they are bit doep enough. We eannot spectfy the time that is required.
J. R. B., of Ind.-We cannot think that a few sho would prevent molasses running out of a barrel without the barrel itself was very tight. Ly ell's "Mantuel and Elements of Grology" C. L. H., of Vt.-If you take the trouble to figure ou the cost of cigar-making, as stated in our article, gou will see that our figuring is $n$ ot so tall as you supp se.
J. M. C., of Iowa.-Boiled linseed oil will keep polished thols from ruating if it is allowed to dry on them. Common sperm oil will prevent them from rusting for a short period. A coat of c pal varnish is frequently applied to polished tools exposed to the weather.
H. W. W., of Ill.-A more regular motion is produced by cutting off the steam before the end of the atroke than in carrying full pressure the whole length.
W. S. G., of Ill.-We are not acquainted with the com position of the cement to which sou refer. A mlxture of indiarubber and shell-lac varnishmakes a very adhesive leather cement. A strong solution of common isinglase, with a lithe
added to it, makes an excellent cement for leather.
M. B., of Mass. - You will find information on the art of lithography by referenco to Ure's dletlonars. There is no dietinct work on this subject.
B. C., of Pa.-Superheated steam is gradually coming into more extended usein England, but is making no progress in this country. It has been found most advantagcons not to use it very highly dried.
M. H., of Pa.-We refer you to articles on pages 169 and 204 of Vol. XIV. of the Scuentrio ancmasosn; they contain fuil on the gubject of halancing saws.
J. O. M., of N. Y. -So far as we know, your improvement in casting cannon of the two metals specified in your letter is new and useful; and it appoars to us that, by casting the most fractlous on the top of the loast fractious metal, as proposed, sou will accomplish the desired reealt.
W. J. P., of Vt :-The hone side of a razor strap is made with fine entery laid on with glue; the polishlng side is made of calclned tist or colcothar, but if yon cannot get these use black-lead and a little greaso. 'The fnishing eide le simply bufl leather.
C. M. E., of Pa . -There is no patent in existence which covers the use of compreseed air as a motor. Any person way use comprcesed air in the United States for moving cars, $e s$ it is pablic property.
C. A. F., of Mo.-The coating for iron to which you refer is sillicate of coda, a nd will not answer for iron boilers to prevent cormooion, Nneprati Cherol E. B., of S.C
E. B., of S. C.-You omitted to sign your name to your letter of loquiry about the double boat, but there belng evidence of good faith on sour part wo repls that it is an old idea, and we cannotadiviso you to apply for a patest on it. Your money would be thrown
Turner, Mainc-A con'espondent from this place seeks information from us, and is diesppolnted, doubilesa, in not roceiv-
Ing an answer. The reason is be forgot to siga his namo to bi $\operatorname{lng}$ an
letter.
J. II. R., of Mass.-By all means have your well covored, as it will then be protected from dust and dist.
W. B. G., of N. Y.-Under some conditions, we have no doubt but that electro-magnetic engines would be most suitable, cspecially fordriving light machinery, such as sewing machines,

. II. L., of Ind.-The spirit obtained from grain is from that pait which may be converted into starch, and for this reason starch manufactu ers are exccedingly careful to prevent viaous fermentation in their vata. A considerable am ount of epirit
may be obtained from starch, but at present we cunnot give you the may be obtained from starch, but at present we cunnot give you the
cxnct quantity. The Postmaster ordered your paper to be stopped asuralled for.
P. F. K., of Ga.-We do not know where you can get sour old ten-trays japapned, but we will tell you how to do it sourrotten stone clean them thoroughly with soap and water and a fille Now, get come good copal varnieh, mix with it some bronze powder, nand appl; with a brush to the denuded parts. After which sct the tea-traj in a oven at a heat of $210^{\circ}$ or 2000 until the varalsh is drr. Twocoats will make it equal to new.

## Money Received

At the Scientific American Office on account of Patent Office business, for the week ending Satarday, Aug. 26, 1859:-
F. S. P., of N. Y., $\$ 35$; J. A. S., of Mo., $\$ 30$; L. M., of Wis., $\$ 7$;


 1I. K. S., of Mabs., $\$ 35 ;$ W.C. P., of Iud., $\$ 5 ;$ N. S., of Minn. Ter., $\$ 33$; G. G. N.. of Mass., $\$ 30$; C. \& C., of Pa., $\$ 30:$ K. \& M., of Vt., $\$ 10$; G. E. S., of $\mathrm{II}_{1}$ \$25; T. \&J., of Pa., $\$ 25$; A. P., of N. Y., \$ $\$ 25$; P. C. F., of N. Y., $\$ 25 ;$ II. P. I. of Conn., $£ 25$; I. O., of Texas, $\$ 10$;
I. P., of N. I., $\$ 37$; L. R.F., of Ga., $\$ i 5 ;$ J. P. A., of Ga., $\$ 25 ; \mathrm{J}$.
 U. W. W., of N. Y., $\$ 30$, S. R. McD., of Del., SUN, A.L. F., or N. Y., $\$ 35$; J. S. L., of Pa., $\$ 35$; T. P., of N. Y., $\$ 40$; J. A., of N. J., $\$ 50$; B. \& C., of N. Y., $\$ 25$.

Specifications, drawings and models-belonging to partloe with the following initiala have been forwarded to the Patent Offlee during the week ending Saturday, Aug. 26, 1859 :-
II. K. S., of Mass.; E. D., of La.; C. F. R., of N. Y.; L. M., of Wis.; C. L. R., of Wis.; P. C. F., of N. Y.: A. I., of N. Y.; L. R. F., of Ga.;
A. L. F, of N. Y.: G. W. R B., of Ln. W. A. L. F., of N. Y.: G. W. R. B., of L.; W. P. C., of Ind.; J. W..
S. C.; J. P. A., of Ga.; S. \& La R., of Ind.; F. S. R., of N. Y.; H. P. J., of Conn.; L. E.
of N. Y.; J. S. L., of Pal.; J. N. A., Pr N. of Ind.; G. E. (two capes) ; B. \& C., of N. Y.

History of the Scientific American and Important Ve have printed a supplementary edition We have printed a supplementary edition of the SCIEN-
mimo Anamoan, in which tbere is a hist ry of its rise and p:ogrees,
with illustrations of the building, externally and internally, showwith illustrations of the building, externally and internally, showing the spacious rooms in which our immense patent busine ss is conducted, and with life-like representations of the artiste, eng:neers and specification writers at their daily la bnrs. The same paper containsinformation on the many intricute points arising in patentlav and practice, and comprisee the best populartreatise on the subjcct ever published, $t$ mald be in he hands of all who are interested citherin procuring, managing or using patented inventions. The legal information contained in this paper is the result of forsteen reabs' experience as patent solicitore, and it cannot be found in any other treatise on patent hav. It aso contains information in regard to Foreign Patents and Extensinns. It is published in octavo form, sixteen pages, and mailed upon receipt of two three-cent stamps. Addreer Mo
entific Angenaan, New York City.

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for machine, engine shope, de. For narticulars ndतres 101 N. W. corner 12thund Noblesta., HCuladelphia, Pa.

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Buggies will be given to any partv who vill pay the cooto of patening
the same. Adreas E. TKIVSO

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West Philadcimha, ${ }^{2}$.

w$\boldsymbol{W}^{\text {ANTED - CATALOGUES FROM OWNERS }}$

F OR SALE-THE WHOLE OR A PART OF



## $\mathbf{W}_{\text {to }}^{\text {ANTED- }}$ VOL


CONJURING !-THE WHOLE ART OF CON-



HARRIS BROTHERS' PATENT STONE, SMUT




W ANTED-A PARTNER, WITH CAPITAL, IN

CAST-STEEL WIRE-IN THE ROUND; ALSO, Flattened And Tempered, for Crinoline Murpoefe For bale bo

