28,435.-J. P. Ellicott, of Washington, D. C., assignor to Phelan \& Collender, of New York City, for an Improved Chalk-holder for Billiard Tables I cldim the combination of the lower pivoted jaw, c , , constructed 28,436.-S. W. Brown, of Syracuse, N. Y., assignor to himself and Joel Prico's Composing Stick:
for an Improved Printer's Composing Stick:
I clam the emppoyment or ure of the elastic nate, , Maced at the

 and its eccentric, the bridge or brace, G , wttrached to the
pieca, $\mathrm{c}_{\text {, substaitialls }}$ asa 1 :ad for the purpose set forth.
[This invention relates to an improved means for securing the sllde at any desired point within the range of its movement in the stick, and it consists in the employment of an eccentrric and stick, whicreby the slide may be readily adjusted and secured at any point, without being liable to move casually; the stick, at the same time, becing provided with a bridge or brace, one or more, eg arranged orapied to the glotted side-piece as to render the same strong and durable.]
28,437.-A. J. Gibson (assignor to himself, John Boy-
den, J. P. Hale and Samucl Fisk), of Worcester:
Mass., for an Improvement in Revolving Fire-arms :

and for the purposes specified. geror lever, I, or its equivalent in such manner that the eand barrel
may lock the sid trigger or lever, or its equivalent, when it (che said barrell is in ite dotov
tially
tis described
28,438.-Adolphus Liebenroth (assignor to himself and Ivan Von Auw), of New York City, for an Improved Paper File:
I clnim the combination of the elastic bands, $c \in e$ e cove
and tuck or antachnent, $f$, for the purposes and as specified.
28,439.-G. H. Mills (assignor to Nathaniel McKay), of East Boston, Mass., for an Improvement in Pumps:
I clim thin cmplorment of the intermediate celluder, H, in com
ination with the two stationary cylinders, $A C$, aud piston, $B$, as bination with the two stationary eylinder
and for the purpose alo wa aud described.
28,440.-J. G. Putnam (assignor to himself and J. Schieffein, Jr.), of Tioga, Pa., for an Improve Schieftein, Jr.), of Thers:
ment in Corn-shellers
 [Thisinvention consists in an arrangement of a feeder for conduct. ing the ear of corn properly into the machine, a toothed cylinder and oncive for removing the corn fromthe cob, a series of curved guards mear clearing the cylinder and throwins-off the cobs, and an arrange mentot phes for conducting ono shelled corn down through a spout, extrancous matter which are found more or less combined with it.
28,441.-Isaac Reckhow (assignor to John Griffith), of
Brooklyn, N. Y., for an Improvement in Curing Prunes:
I claim the witlin-described method of curing prunes by exposing
them to a current of steam, substantilly in the manner specificd. 28,442.-Mark Richardson (assignor to himself, T-

Cort and H. Rowbotham), of Philadelphia, Pa., for
an Improved Washing Machine:
I claim, first, The revolving beaters constructed substantinlly a
deecribed, in combination with the plat
 arranzel within the trough and operating on the folds of the fubric
as specifol. The revolving sinft, $K$, with its elastic vanes, when ar-

28,443.-D. M. Smith (assignor to limself, H. H. Ma son and A. C. Mi:son), of Springfield, Vt., for an
Improvement in Hooks and Eves:
I claim, as an improven article of manuf acture, a hook, A, having
one of its lezz, e.extended tind bent up within the bill, a, Bu as to
torm a snap or spring guard, as shovn and described.
38,444.-J. S. Vanghan (assignor to himself and S. R. Vanghan) of Alexandria, Va., for an Improvement in Car Couplings:

28,445.-Samucl Wells, of Elmore, Ohio, assignor to Eliab Kiarr and Erastus Howland, of Elmore afore said, and E. F. Dickinson, of Tremont, Ohio, for an Improved Machine for Moving Buildings:
I claim, in combinition with the carriage, A And the frums B E, $\mathbf{E}$

re-issues.
The Wilson Manufacturing Company, of New York City, assignces of Jolin P. Wilson, of Frankfurt N. Y. and John P. Thomas, of Ilion, N. Y., for an Improvement in Burglar's Alarms. Patented Feb. 8, 1859:
I claim, first, The employment, in connection with the within-de
ser ibed gui oratum, of an andinstable simlet serew,
, which is se
 cired in the dovetriiled , groove in the body, while in use, and which
is secire in theihrre or bore by a serev, wheu not in use, sub-
stantillty as ececifed. stantially, as fpeciffed.
 the hammer and causing a louder report of the cap as is herefn fully deservibed. Securing the rear of the epring, F, to the body of the gran,
TMird ,
bv means of the nipple which pascos throuhh snid spring and screvs Cr mans of the nipple which pasoses through said spring and
into the bod, substantially as and for the purpose specified.
Lewis White. of Hartford. Conn., assignor to S. S. Put nam \& Co., of Roxbury, Msss, for an Improvemen Iclaim operatiog thie hever, c , which nitrests the cutain roll, br

C. B. Brinckerhoff, of Batavia, N. Y., for an Improve ment in Harvesters. Patented May 24, 1859: I claim: first, The combination of the crank operated by the main
hatt, with thera ke and sweep post to wuich it is is attached, and the ighth arm, when arranged in the manner described.
 which is rake bead ras set forth, to divide the ralling grain from that
specified Thii d, The pivoter sweep post. with its eighth arm, in combina tion
withl the crank, H , and the mechatism countect ing them, giving the
 necting rods, Ond $^{2} \mathrm{~S}$, sleeve, $L$, and slide, M , in advance of, and
in relation to the main slant and rake shank, as and for the purpose





 Ninth, 'The combination of the cam attached to the main ghaft
with the arm of the rear rake, to cause it to pass over the gavels at He proper time, ns deacribecd.
Tenth, The ratchat chm
Lially as described, fur throwing both rakes into or out of action, as set forth.

## extension.

Alfred Stillman, late of New York City (Elizabeth A. Harris, administratrix), for an Improvement in Sugar Pans. Patented Mav 16, 1846:
I claimdividing the main pipe into tiwo parts by a cross partition, the two divisions of the man sipe
I also claim connccting the main pipe with the sides of the pan,
nnd with the induction nal eduction p piks, by means of the double
 the main pipe, as described. And finally, claim the mon connecting the branch pipes with the naia pipe by means of socket jointe, as described, in com-
bination with the mode of securin them by means of serews passing
though the main pipe and tapped into tubular nuts in, and conneetcd with the ends of the branch pipes, by wings, for the purpose and in
the maunc- descibed.
Motes eyluppioc
W. S. H., of Ohio.-You can remove stains from Germansilver with swect oiland rottenstone. It may require considaftenvards; but persevere, and sou will accomplish the object. Your subseriution expires with No. 10 , Vol III
C. C. P., of Ohio.-We are not acquainted with any method of preserving skimmed millt, so as to retain it in its nor rual condition for your purposes; but it can be concentrated in
vacuo by Gril Borden's process, and preserved in vacuo by Gail Borden's process, and
used in brine in the winter season
S. L., of N. Y.-The greenish ink to which you refer, printed on the back of some envelopes, is made with the oxyd of chromium, and is very permanent. We cannot give you a recipe forextracting it frompaper.
K. C. P., of N. J.-You request us to furnish you with the dimensions of one of our river steamboata, as you intend to stea mboats constructed at the port of New York are published regu larly in our columns. You can adopt the proportions of any of these most suitable for your model.
J. S., of N. Y.-It is not stated on page 277, that Mr. Bogardus invented the ring and traveler, but that his "ring-travdered the ing-traveler mere ceacrlly practical; but George Ad dison and Samuel H. Stevens, of New York, were, so far as we have investigated the subject, the inventors of the ring-traveler, per se; and it was a valuable improvement.
. D., of Ohio.-The Australian boomerang is one of the most singular weapons that has ever been used, and the art of throwing it is perhaps as difficult an artas has ever been acquired by savage or civilized man. It is said that the native win throw it the air, and return within a sard of the thrower. It is also sail 1 that they will throw it around a hill and hit a kangaroo's leg, which is out of sight, but the position of which they k now. It is simply a piece of hard wood, 2 or $2 \nless \varepsilon$ feet in length, $2 \% / 2$ to 3 inches wide, and 1 inch thick in the middle; being flat on one sideand rounded to edges on the other. It is bent edgewise, so as to preserve the plane of the flat eide; the arcof its curve having a radius, perhapz, of 5 or $f$ feet. We write from memory, aud it is some four years since to usc one of these missiles.
W. G., of Md.-Common sheet iron will soon rust out, if employed to line the sides of a house, in order to prevent the entrance of rats. Galvanized sheets are much more durable.
Sheet lead, being unaffected by air and moisture, will answer a better purpose; and set there are some instances on record in which leaden water pipes have been cat through by rats. The whole area und ther hard enncrete abour four inches deep, so as or in the found tion wall if sion to make your sous proof becaue on " varmit" con cut through a plank or aill nearly ea fast a nearly as fast as a Green Bay sawyer.
J. W., of N. Y.-In replying to your recent query (page 308, this volume), the figures 14.162 were erroneonsly written
" 24.162 ," and so printed in the third line of our comment on sour letter.
F. B. W., of England.--Your plan of forcing air into a tight recciver, similar to a steam boiler, and then using this comordinary tan windmill is as simple and cheap as any.
J. H. W., of N. Y.-The articles on the expansion and contraction of cast iron in molds appeared in our columns several vears ago, and referred to the expansion of the metal when poured into the mold : then contractivg after it became cooler, and after it had hardeved sufficientls, whercby it retained the clear impress of the pattern. The opinions then expressed related to both sand and metallic molds. Yours refer only to the former and do not meet the whole case.
W. H., of N. Y.-A thin coating of boiled linseed oil, rendered quick-drying with the acctate of lead, will enamel the surface of leather, but that to which you reter as being used for artificial limbs must be made, we believe, by the regular manufacturers of enamcled leather.
M. V., of Ga.-The specimens which you have sent us are the "common," not the "precious, garnct." The latter is of a
beautiful deep-red color; yours are a brownish-red, imperfectl's beautiful deep-red color; yours are a brownish-red, imperfectls
T. McF., of Ala.-Heavy coal oil is used for lubricating machinery in England, and, although not equal to sperm, it is employed on account of being cheaper. Pure conl oil may be used in cotton factoric
management.
J. 'T. McD., of N. Y.-By cautiously adding litharge, acetate of lead, sulphate of zinc or oxyd of manganese to linseed oil, when boiling it, you will render it quick-drying when mixed almost os quickly us it is put on (which is the property you want) without considerable turpentine added, and this tends to injure its gloss and destroy its durability.
E. W., of Conn.-"Dick's Practica. Astronomer" will give you the information desired for the polishing of lenses. J. R. A., of Conn.-An clectric current will not pass through any length of wirc. You will find sold information on this subject on pages 46 and 54, Vol. XIV. (old series), of the Sor-
D. G. M., of Mich.-We say that a second of time cannot be divided into spaces so that the aggregate of them wil! not make a full second. To say that the number would have to be infnite, is an improper use of the word infinite. In that connecJ. M., of Kansas.-B. Pike \& Sons, No. 518 Broadwas, this cits, are extensive dealers in optical instruments. The Patent Office reports are gencrally issued towards the close of the
 found "Newns foundly. Book bind limit use; perhaps a retort and spirit lamp would be among the frat thinge required

## MONEY RECEIVED

At the Scientific American Office on account of Patent Office business. for the week epding Saturday, May 27, 1860):55. V. N. N. Conn., $\$ 25$; S. P., of Mass,, $\$ 30$; 1I. M., of Iowa, $\$ 30$ J. W. D. of Tenn., $\$ 30$; C. R., of Mich., $\$ 25$; H. B., of Iowa, $\$ 25$; D. F., of Miss., $\$ 30$; A. S. W., of N. Y., $\$ 25$; C. R. A., of Conn., $\$ 84$;
W. R., of N. Y., $\$ 30$; I. M. J., of Conn., $\$ 35$; J. T. S., of Va., $\$ 25$; J. P. B., of S. C., $\$ 25$; E. M. J., of Conn., $\$ 30$; E. B., of Conn.,
 R. I., $\$ 35 ;$ J. Y. II., of Pal., $\$ 35 ;$ J. L., of S. C., $\$ 20$; T. II. Q.,
of N. Y., $\$ 30 ;$ C. A. R., of Ala., $\$ 60$; E. C. C., of Maes., $\$ 30$; of N. Y., $\$ 30 ;$ C. A. R., of Ala., $\$ 60$; E. C. C., of Mas8., $\$ 30$;
L. \& A., of N. Y, $\$ 350$; H. P., of N. Y., $\$ 30$; P. Y., of Iown. L. \& A., of N. Y, $\$ .00 ;$ H. P., of N. Y., $\$ 30 ;$ P. Y., of Iown,
$\$ 30 ;$ M. II., of Coun., $\$ 35$ G. Van C., of N. J., $\$ 30 ;$ C. C., of N.
 H. G., Sr., of Miss., $\$ 31$; B. T., of IIL., $\$ 30$, C. H., of La., $\$ 30$; J. A., of N. J., $\$ 15$; M. D.. of Minn., $\$ 35$; S. T. V., of R. I., $\$ 30$; J. A., of N. J., $\$ 15 ;$ M. D., of Minn., $\$ 35$; S. T. V., of R. I., $\$ 30 ;$
S. \&. R., of Mo., $\$ 30$; J. M. M., of Miss., $\$ 30$ J. A. F., of Ala., $\$ 35$; D. A. D., of Fla., $\$ 30$; G. de B., of Mo., $\$ 33$; A. De W., of L. I., $\$ 30$; D. A. D., of Fla., $\$ 30$; G. d B., of Mo., $\$ 30$; A. De W., of L. I., $\$ 30$;
S. R. B., of P..., $\$ 25$; J. G., of Ky., $\$ 300$; O. II. W., of Miss., $\$ 30$;

 I. H. S., of N. Y F. M. R., of N. Yn $\$ 28$; W. A. S., of L. I., $\$ 25$ : $\$ 50$; A. S., of N. Y., $\$ 20$; H. A. II., of N. Y., $\$ 25$; J. B. A., of N. Y., $\$ 120$; H. P., of N. Y., $\$ 30$; L. B., of N. Y., $\$ 25$.

Specifications, drawings and models belonging to parfies with the following initials have been forwarded to the Patent Onice during the week ending Saturdas, May 27, 1860:-
H. L. E., of N. Y.; E. B., of Conn.; J. Y. H., of Pa.; W. N. M., of Mass.; J. L., of S. C.; F. M. R., of N. Y.; E. W. B., of N. J.; S. R. W. A. S., of L. I, L. L. B. of N. Y.; J. H. S., of N. Y.; I. A., of of N. Y.; C. W., W., of Iowa ; W. E.; E., of N. Y.; C. R. A., of Conn. (2 cases) ; H. M. J., of Conn.; S. T. S., of Va.; H. A. H., of N. Y.; J. P. C., of N. Y. (2 cases); L. P. R., of Mich.; G. W. W; of N. Y.; R, \& S., of Mo.; C. R. B., of Conn.; E. F. W., of N. Y.; C.
A. H., of Mich.; T. Y., of Iowa; T. C. H., of N. Y.; W.G., of Ala.; C. R., of Mich.; B. \& C., of Ohio; H. P., of N. Y.; J. B. A., of N' Y. (2 casos).

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