Examples for the Ladies.
Mrs. Mary B. Hamlin, of Troy, N. Y , earned with a whe

The List or Local Newspapers
by Geo. P. Rowell \& Co., Advertisling Agents, N
Publlished by Geo. P. Rowell \& co., A the
 curtom from the ruarl population among which the pal
are furnithed free,

## 

The Charge for Insertion under this head is one Dollar a Line. If the No
The paper that meets the eye of manufacturers throughnut the United States-Boston Bulletin, 8400 a year. Advertisements 17c. a line. Mining, Wrecking, Pumping, Drainage, or Irrigating Machinery, for sale or rent. See advertise Andrew's Patent, ingide page. Boilers.-Allen's patent will prevent scale from forming, and :10t injure the iron. In 3 gallon cans, price 86 . J. J. Allen, Philadelphia.
Wanted.-Assistance to get out Canal Propeller. Address Jos. Hough, Norristown, Pa., who has a double acting one now planned out. Wanted.-Partner to build the Revolving Cylinder Steam En. gine. Had a test of five years. W. H. Morton, Hamllton, Ohio.
The Railroad azette is read and preserved, and therefore it pays to advertise in its columne.
The " Ball \& Fitts" Water Meter, warranted accurate and reliable, and acknowledged by those who have examined and tested them
the best water meter ever used. Manufactured by Union Water Meter Co., the best water met
Worcester, Mass.
Power Punching and Shearing Machines.
For car builders, smith shops, rall mills, boller makers, etc. Greenlea Machine Works, Indianapolis, Ind
J. A. Whitman's Water Wheel Governor beats them all for I have received, through the agency of Munn \& Co., a patent on the best Summer Cook Stove in the market. The exclusive right, ex-
cept for this State, for sale cheap. J.D. Kellogg. Jr., Northampton, Mass. Electrical Instruments, Models, etc., made to order, and Gear Wheels and Pinions cut, by W.Hochhausen, 113 Nassau st. Room 10, N. Y. Bliss \& Williams, successors to Mays \& Bliss, 118 to 122 PlyBright and industrious American, Scotch, English, German, or French boys, of 16 years or older, who desire to learn the machinist
trade, in a frrst class establishment, whll please address, for terms, P. Box 685 , Hartford, Conn.
The Bucket-Plunger Steam Pump discharges at both strokes, Wanted.-A machine to make galvanized iron eave cornice. Address T. J. Heizmann, Altoona, Pa.
Millstone Dressing Diamond Machine-Simple, effective, durable. For description of the above see Sclentific American, Nov. 27th,
1869. Also, Glazier's Dlamonds. John Dlckingon, 64 Nassau st., N. Y. Peck's Patent Drop Press. Milo Peck \& Co., New Haven, Ct. Lord's Boiler Powder is only 15 cts . per pound by the bbl., and guaranteed to remove any scale that forms in steam bollers. Our Circular,
with terms and references, will satisfy all. Geo. w. Lord, 107 w. GIrard with terms and referencer
ave., Philadelpha, Pa.
Improved mode of Graining Wood, pat. July 5,' 70, by J. J. CalFord's Portable Tobacco Press for Planters. Will sell Virginia, Maryland, Missourl. Address Ford's Tobacco Warehouse, Evansville, Ind. Air Cylinder Graining Machine.-A perfect tool for House
Patnters and Manufacturers of all kinds of Decorated Ware. Complete Painters and Manufacturers of all Einds of Decorated Ware. Complete
For the most perfect Band Instruments in the world, send to Isaac Fiske, Worcester, Mass. Illustrated Catalogues free on appication.
The Patent for the best Hydrant, or Fire Plug ever invented, for sale. For descriptions, terms,etc., address Lock Box 356,Lockport,N. Y. Best Scales.-Fair Prices. Jones, Binghamton, N. Y.
Steam Watch Case Manufactory, J. C. Dueber, Cincinnati, Ohio. Every style of case on hand, and made to spectal order.
L. \& J. W. Feuchtwanger, Chemists, 55 Cedar st., New York, manufacturers of slicates of Soda and Potash, and Souble Glass.
For Hydraulic Jacks, Punches, or Presses, write for circular to E. Lyon, 470 Grand st., New York.
Belting that is Belting.-Always send for the Best Philadel pha Oak-Tanned, to C. W. Arny, Manufacturer, 301 Cherry st., Phil'a. Send your address to Howard \& Co., No. 865 Broadway, New York, and by return mail you will recelve thetr Descriptive Pitce List of
Waltham Watches. All pricesredacedsince February 1 st.
Ashcroft's Low WaterDetector, $\$ 15$; thousands in use ; can be applied tor less than 81. Names of co: porations having thirty in use can
be glven. Send or circular. E. H. Ashcroft, Boston, Mass.
To Cotton Pressers, Storage Men, and Freighters.- 35 -horse Engine and Boiler, with two Hydraulc:- Cotton Presses, each capable of
pressing 3 J bales an hour. Machinery first class. Price extremely low. pressing 35 bales an hour. Ma chinery first class.
Wm.D. Andrews \& Bro., 414 Water st. New York.
Brown's Coalyard Quarry \& Contractors' Apparatus for hoisting andcouveyling material by Ironcable. W.D.Andrews \& Bro,nt Wa terst, ,N.Y.
Improved Foot Lathes, Hand Planers, etc. Many a reader of thlspaper has one of then. Selling in all parts or the country, Canada
Europe,etc. Catalogue free. N. H. Baldwin, Laconla, N. H. Presses, Dies, and Tinners' Tools. Conor \& Mays, late Mays \& Bliss, 4 to 8 Water st., opposite Fulton Ferry, Brooklyn, N. Y. Cold Rolled-Shafting,piston rods,pump rods,Collins pat.double For Solid Wrought-iron Beams, etc., see advertisement. Ad dress Union Iron Milla, Pittaburgh, Pa., for lithograph, etc.
Glynn's Anti-Incrustator for Steam Boilers-The only reliable preventive. No foaming, and does not attack metals of boilers. Price 25 cents per $C$ D. Frdrick,
To Ascertain where there will be a demand for new machinery or manufacturers' supplies read Boston Commerclal
ing News of the United States. Terms $\$ 400$ ayear.

## Buswers to corregpondents.

SPECIAL NOTE.-Thts column to designed for the general inter est and in
struction of our readers, not for gratuitous reppites of questions of a purely struction of our readers, not for gratuitous replies to questions of a purely
business or personal nature. We will publish such inquiries, nowever, when paid for as advertisements at 1.00 a line, undor the head of "Busines
and Personal." ALL reference to back numbers must be by volume and paoe.

Roaches.-On page 394, current volume, query No. 3-" Is there any sure poison for roaches, that may be used without danger to
children and domeatic animals?
Being somewhat of an entomologitt, children and domestic animais? Being somewhat of an entomologit,
may be excused for stating that the Biatta, vulgarly called the cockroach, belongs to a genus of nocturnal orthopterous insects; these are prollac, laying masses of eggs, carefully wrapped all around. These hatch, and
when the young scamps are no larger than ants, they will penetrate into boxes, chests, etc., through the smallest apertures, and enter upon their depredations. They speedily attain their full size, split on the back, and
change their skin, but not their habits. Although they become winged they seldom fy, trusting to their legs, which they use nimbly in their hal adult conditton. During the day they hide away in cracks or anything that will afford them shelter; so soon as darkness comes on, they sally
out in swarms. About a month ago, my attention was called to my out in swarms. About a month ago, my attention was called to my
vitchen and pantry. Going in with a light, I was astonished at the numkitchen and pantry. Going in with a light, i was astonished at the num-
bers scampering and swarming into the corners, up to the celling, and on the walls, a legion of darkimps that hate the light. I thought I would accommodate the pestiferous creatures with a feast; 1 accordingly mixed up a quantity of fresbly burned plaster of paris (gypsum, such as is used
by dentists, etc., for making molds and ornaments), with wheat flout by dentists, etc., for making molds and ornaments), with wheat flour
and a littlesugar. This I distributed, on shallow plates and box boards, and a littlesugar. This I distributed, on shallow plates and box boards,
placed it in the corners of the kitchen and pantry, and left them to their glory in darkness. In the morning I found they had eaten quite freely. fed them for three nights in succession. The plaster and flour, somehow,
interferes with their intestinal canal, and gives them a costive habit, and interferes with their intestinal canal, and gives them a costive habit, and spolls their appetite, I fancy. The short of the matter is, the roaches dis-
appeared; whetherthey died outright, or left in disgust, I will not underappeared; whether they died outright, or left in disgust, I will not under
take to say. One thing I know, however, they are scarce and far betwee on my premises just now. The remedy is perfectly safe and simple. Try

Cheap Battery.-There seems to be a great difference in the opinlons of those that have given directions for constructing a cheap
galvanic battery. I have made a great many experiments with, I guess, gavanic battery. Thave made a great many experiments with, I guess,
nearly all the forms of batteries, buti don't think that there is any cheaper
or one that wwll give asilttle tronble as Daniellis sulphate of copper bat or one that wwll give as ilttle tronble as Daniell's sulphate of copper bat
tery. If the person that makes the inquiry will go to any telegraph offce tery. If the person that makes the inquiry will go to any telegraph offce,
he can see one and learn all he wants to know about it; and if he canno he can see one and learn all he wants to know about it; and if he canno
get a porous cup, he can use a common flower crock, with the hole in the get a porous cup, he can use a common fiower crock, with the hole in th
bottom stopped with melted beesmax. The connections should be mad with copper wire, as any other kind is soon eaten off.-A.E.T., of Ohio.
Plating Britannia Metal.-J. F. (page 378) will succeed in plating Britannla and soft solder by first depositing a coat of copper on hi
soft metals, and then putting them in the cyanide solution.-D. G.P., of ill. Refining Gold.-J. E. H. can refine gold by dissolving it in aqua regla, and then pouring of the solution from the precipitate.
Add to the solution a filtered solution of copperas as long as a precipitate is formed. Decant and wash thoroughiy. Digest in dilute sulphuric acid and wash again, and you have pure gold. Melt in a crucible lined with borax, ander carbonate of potash. -D. G.P., of Ill .
Turning Cone Pulleys.-Finish on cone as desired, and then turn one pulley of the other (small) cone; take two pairs of cal-
lipers, and set them to the large pulley, on Anished cone, and the small pulley (after it is turned to the desired size) on unfinished cone. Hoo the jaws together, and mark their aggregate diameters on a rod with a awl or pencll. Now set one pair callipers to next smaller pulley on fin
ished cone; hook them together as before, set the other pair to the mark ished cone; hook them together as before, set the other pair to the mark,
and turn the next pulley to the size of the latter.-G.L.B., of Pa. Sperding Pullers.-Multiply the diameter of the pulley in inches by the speed that it runs, and divide by the pulley driven, and so
on down. Or, if a givenspeed be required, multiply as above, and divide ndown. Or, if a givenspeed be required, multiply as a bove, and divid.
by the speed required, and the answer will be the size to give the pulley. G. l. B., of Pa.

Crstern.-The best answer to the question of E. E. H. i that nothing but pure water should ever be put into a cistern; and then,
if properly constructed, it will remain "pure and fit to drink." If a clstern be merely an open vessel, especlally of wood, and the accumulation of dirt on the roof is allowed to pass in with the water, no known substanc thrown into the water will really "purify" it. This is a case where
ounce of prevention is worth many pounds of cure."-A. B., of Mass. Chimney.-Every chimney will emit a "sooty odor," when in use, depending upon the character of the fuel: but it is aggravated if the chimney be foul. The most efflcaclous mode of cleaning out a fue, is to
burn it out, which is always a safe operation if the chimney be properly constructed. Sweeping will help it, but is not as effective as burning, and by putting an old newspaper or two into the bottom and applying a match. -A. B., of Mass.
Preventing Rust.-For the benefit of G. R., query No. 5, June 24, I would sugrest a solution of carbonate of soda to prevent the
rusting of polished metals. The solution can be applied with a brush, or or iron or tin, that will effectually resist atmospheric action, and also acids, I would recommend Plerce's "stone surfacing composition." L. P. B., of Pa.

Fixing Lead Pencil Maris.-If J. H. R. will breathe on his paper for a moment, after he has written with a lead pencll, he will find Power to Drive Saw.-E. A. M. will find a thin saw will run easier than a thick one. The more teeth there are in the saw, the
smoother it will cut, but variations in the number will not add to no smoother it will cut, but variations
diminisi the power required.- S . H .
Black Copying Ink-Best Extant.-Take two gallons of rain water, and put into it $X$ pound of gum arabic, $\%$, pound brown sugar
i 4 poundclean copperas, $X$ pound powdered nut galle. Mix, and shakeoc casionally for ten days, and strain. If needed sooner. let it steep in a iron kettle untll the strength is obtained.-E.G.A., of Minn.
Norsy Gears.-I had in charge three pair of bevel gears, 30 inches dlameter, running 120 revolutions per minute. The driver had
woodenteeth, and at a distance of 40 feet could not be heard. I lubr cated with tallow and black lead, with a ilttle oll added, to keep it soft $t w i e e$ a week, and they ran very well.-T.S., of Pa
N. \& Co.-We do not believe exhaust steam, in passing through a plpe snrrounded by shavings, would be likely to ignite th shavings.
W. F. W. asks why is the bearing of a shaft or saw arbor called a journal? Becausewhen it rotates, it is supp
on a journey, and take notes thereof-hence Journal.
B. A. J., of Wis.-If thills are pivoted to a wagon below the Hne of draft, the horse ufts the load to some extent, and thus does not
draw quiteso hard; but, as what he does not draw he carries, his work is just as hard, if not harder than it would be if the thills were pivoted
higher.
J. D. N., of Ca.-A person acquainted with arithmetic can, if
ordinarily intelligent, and willing to apply himself closely to study, make ordinarily intelligent, and willing to apply himself
very fair progress in algebra without an instructor
R. H., of Vt.-Like all other perpetual motion devices we have seen, yours has the trifilng difflculty that it cannot be got to work on
its own account. The reason is given in another column, in an article entitled " Mechanical Power and Specific Work
B. G. C., of Ala.-The unpleasant odor of gas stoves, arises from the permeabinty of the tubing, and partly from the products of combustion. The latter does not render the food cooked unwholesome, but
the air is rendered more or less un fit for breathing, and of course deleteri ous to healk, anloo gonla
J. G., of - will find directions for building a cheap ice house on page 3s9. Vol. XIIII, of the Scientipic Ayerican.
W. J. B., of Dakota.-The principal objection to the Belgian system of wire cable towing is the difflculty in dealing with the slack, and T. H., of Mo.-If, as you say, you have been a reader of the SCigntipic Ampricanfor six years, you ought to have learned from it by
thistime that there is no such substance as you inquire for. The old this time that there is no such sulstance as you inquire for. The ol of divining rods or magnets, is elther self-deluded or is trylng to delude you.
G. V., of Conn.-Have received a large number of letters on the canal question, for publication, where the partles desired to put their
inventions against a modest amount of capital. We have not room for yours.
A., of N. Y.-The information you seek will be partly found in Box's "Treatise on Heat." To find complete data, you will need to
W. B. W., of N. Y.-The U. S. gold coins are alloyed with copper.
. E. W., of N. Y.-Brass scraps are remelted and used. They sell readily as old brass. Lea
will find in another column.

## NEW BOOKS AND PUBLICATIONS.

Hermes Mercurios Trismearstus; his Divine Pymander
Also, The Asiatic Mystery, The Smaraydine Table, and Also, The Asiatic Mystery, The Smaragdine Table, and
the Song of Brahm. Edited by Paschal Beverly Ranthe Song of Brahm. Edited by Paschal Beverly Ran
dolph. 8vo, pp. 144. Boston: Rosicrucian Publishing dolph. 8vo, pp.
Company. 1871.
We are told in the preface of thls book that "the Difine Pymander, or men,' comesfrom Egypt. It ts not a chlld's book, nor a sectarlan work, but it is a divine revelation." Further on it says: "In this book, though so
very old, is contained more true knowledge of God and Nature than in all very old, is contained more true knowledge of God and Nature than in all
the books in the world, I except only Sacred Writ." The Rosicruclans who the books in the world, I except only Sacred Writ." The Rosicruclans who
publish the book, say of themselves: "We claim to stand in the door of the dawn, within the cryptic portals of the luminous worlds, and that the lamp that IIghts us is Love Supreme! Unlike others, we do not recognize God as
the Light-for this can be seen and known-but asthe Unfathomable Shadoro, the Light-for thiscan be seen and known-but asthe Unfathomable Shadow,
the unsearchable Center, the impenetrable Mystery, the unImaginable Che unsearchable Center, the impenetrable Mystery, the unlmaginable Gajeste-utterly past discovery-and who, as we approach, ever recedes,
uring us through illmitable ages and epochs, up the steep mountain of Achievement-the whole end of man's belng-In which opinion we of course differ from all phllosophles in Christendom." Then, to show what they mean by "achlevement," they express the following very high opinion o
three well known modern characters-" Men, for instance, like James $G$. hree well known modern character-" Men, for instance, like James G .
Bennett, James Fisk, Jr., and B. F. Butler, beyond all cavil the three ableat men on this continent, in their respective spheres, and whose superiors in kings of will, and intensity ofpurpose" "-in fact, we suppose they represent the trismegistus, or thrice great Hermes of modern times. We have not oom for more extracts, and can only say that philologlsts have pretty much ome to the conclusion hat no such person as hermes ever existed, and that the twenty thousand books attributed to him are quite as apochryphal as
the author himself. The presumption also is that the Rosicructans never had more actual existence than the Pickwick Club.
Good Selections.
A paper covered 12mo, 165 pages. Containing selections in prose and poetry from our best aathors. A capital book for students and
J. w. Schermerhorn \& Co., publishers, 14 Bond street, New York.

## becrat Gumerican aud foreigu chatents.

Inder thls heading we shall pubish weekly notes of some of the more promi-
nent home and foreign patents.
Offict Indicator.-Lewis Burger, of Chicago, assignor of three fourths his right to W. S. Gobble, of Scottsville, Ill.-A novel combination of parts. Whereby the necessary routine information win be given to parties inspect-
ing it when the offce is closed or open, has a tablet fororders, a small receptacleforbusiness cards, a letter box, a clock dial, whose hands can be set to
indicate the hour at which the offlee is opened or closed, disks which display hrough appropriate apertures the day of week, month, and name of month hrough appropri
milimen's Signals.-Eisha Belcher Blake, of Tarrytown, N. Y.-This nvention has for its ob ject to furnish an improved house or receptacle for the pitcher or other vessel in which the millis recelved from the milkman,
to protect said vessel from dust, dogs, cats, rain, etc., and obviate the necesso protect said ressel from dust, dogs, cats, rain, eft., and obviate the neces-
sity, of watching for the milkman, and which shall be so constructed as to sound an alarm when the door is opened. If no other beneftit should be derived from this invention than the suppresilon of the unearthlyscreech with
which milkmen in New York and Brooklyn announce their arrival, the inWhich mllkmen in New York and Brooklyn an
ventormust be halledas a public benefactor.
apparatus for Steaming and Filtering.-Johin Murdock, of Sonth Carver, Mass.- The object of this invention is to provide convenient and imple means for performing various operations in and around the housebottom and flanged top, whereby it is adapted for steaming substances smoking meat, intering water, etc. Upon thls rereptacle is placed a cask
in steaming food for cattle or in smoking meats. Filtering materialis placed in thefungelin cleansing water. One or more casks or vessels may be fited to the stand, as seen in the drawing, and used as occasion may require, on filtering or leaching, the purified Mquid or lye is discharged through a pipe at the bottom. Steam may be introduced through a plpe for cooking
vegetables for feeding animals. A small stove may be connected with the vegetables for feeding animals. A small stove may be connected with the
funnel, in which sawdust or other combustible material may be slowly burned for smoking meat in a cask. All the operations referred to have to be performed on the farm, and great inconvenience has been experienced
for the want of a suitable stand on which to support barrels or vessels fo:for the want of a suitable stand on which to support barrels or vessels fo-
these purposes. By this stand the barrel ts suitably elevated and supported and the processes named may beperformedin a conventent manner.
Efr Balsam. - William Kling bell, of Champaign City, Ill, has invented an which, applled externally, in such proportions and at such intervals as wili appear most adapted to the nature of each case, will, he claims, cure dis-
eases and defects of the eye, espectally those leading to or arising from abes and defect
shart-8ightedness

