Millstone.-J. A. P. asks "why his new run of millstones Millstone.-J. A. P. asks "why his new run of milistones
will not do morc work ?" The fnct is that the way his stones are dressed brings the grinding circle slmillar to that of a thirty inch run of stone. A
run of 30 inch stones, revolving ait the asamespeed at which he rung his four foot stones, will give the san, e results. The best way for him to get ont of his trouble, is to take tbe dress entirely out of both stones, and put in the dress used by the best millis in the United States, namely: Begin every
land, at the skirt of the stone, from two to three inclies wide, and run every land to a point at the pitch or draft line, being sure to give the lands a true wedge taper from skirt to draft live. Thas, he will notice, glves the
furrows about an equal width from ekirt to draft line. Crack the stone furrows about an equal width from ekirt to draft line. Crack the stone
on line with the back of the land, which will let the cracking run out on a on line with the back of the 1
feather edge.- $\mathrm{S.G.D}$., of Pa .
Drilling Glass.-If R. A. P., who asks how the holes in largeelectrical machine plates are drilled, wishes to drill them for him-
self, he can do so by making an Inatrument like a fiddle, or bow drill, and self, he can do so by making an lngtrument like a fiddle, or bow drill, and
uilng in place of the drill, a plece of brass tube of the required size, then fastenlng a thin board tightly over the glase, with a hole in it directly ovcr the epot to be drilled, and large enough to let the tube turn freely in
it. Then by putting emery and water in the hole, and after working the drill a little while, a hole will be ground through the glase, leaving a round piece in the center, the size of the bore of the tube. A drill can be made of a pleec of wood, an Inch in diameter or smaller, turned smallest in the
center, with another plece fastened to the top, with a screw, for a handle, and the tube driven into the bottom. A bow can be made of wood. - A of N.Y.
Drilling Glass.-I have had occasion for several years to drill holce in glase from the thickness of common plate to that of an inch, and of various eizes, and have always found satiofactory success with common machinist's drill, lubricated during the process with oll of tur
pentine. With the drill properly tempered and run at suitable speed, the cutting is done as rapldly as in drilling steel.-J. E. B.
Preserving Flowers.-Seeing in No. 21, of current volume that a correspondent wishes to know how to preserve fiowers, so as to
keep their natural colors, I send the desircd information. Take of white wax, paramna, or any other waxy aubatance, any dealred quantlty place on the fire, and bring it almost to a boll. Then take the flowcresingly, or in bouquets, and plunge then finto the melted wax for a moment a ke out
and draln. I have also seen flowers preserved with their natural color by immersing in a thin 80 ution of gum arabic. A lady friend of mine has they have the same
H.W. B., of N. J.
Misistone.-The trouble with J. A. P.'s millstone is too much draft, which kecpasthe face of the stones:scant of whicat, and they be come smooth in a short time. Let him put in 18 quarters in the stone and 9
furrows to each quarter. This will equallze the draft, and his burrs will griud well.-J.F., of Mase.
Mill Stones.-To make a stone grind fast, make the furrows at least $\%$ of an inch wider at the eye than at the skirt of the stone,
with the Inclined plane uniform the entire length. The furrows should have, as nearly as posible, the same draft, which can be done by increas have, as nearly as possible, the same drat, which can be done oy increas-
ingthe number of qnarterswith a less number of furrows. Then crack
the face very finely, and keep it gharp. After this, tincrease the motion of the face very finely, and keep it sharp. After this, ticrease the motion or
H. W. G., of Mich.-We know of no American journal specially devoted to astronomy. The Journal of the Frankion lnstitute pub Leathers fior V ise Jaws.-In your issue of May 27th, C. A. W asks what to use for securing leather to vlee Jaws. If h
wax, he will have no difficulty whatever.-T. A., of N. Y.
Dissol ving Mica.-"M." wishes to know how to dissolve, and hold in solution, milca. Mica, which is essentially a ililcate of hme, is,
like most other native sillcates, cntirely insoluble in any menstrume Thatever, excepting by decomposition, when of course it is no longer Whatever, excepting by decomposition, When of course it 16
mica, and is not held in solution as such.-C. L. R. S., of D. C.
To Kill Bedbjos.-Use a strong alcoholic solution of corrosive sublimate, carefully.-C.L.R.S., of D.C.
T. D. T., of --By consulting catalogues of industrial bookg. you will ind many excellent works on electroplating, which will
give gou a part of the information you deetre. We insert your other quesglve you a part of the info
tion in our guery columa.
S. W. S. of Ohio.-There is no accepted standard for the threads of bolts in thls country. There ought to be, and we have often
urged the adoptlon of such a standard, but our machine shope are each a urged the adoption of such a standard, but our machine shops are each a

law unto themselves in tbis matter as yet. The standard for gas pipes | 1s as follows: | Threads to | Dianeter | $\begin{array}{c}\text { Threads to } \\ \text { Diameter } \\ \text { Dingide. }\end{array}$ |
| :---: | :---: | :---: | :---: |
| thench. |  |  |  |

For all diameters above this, 8 threads perinchis the atandard.
C., of Ala.-We do not believe copper was ever tempered to be as hard as good steel, although there are hlstrical traditions of a lost art of thlekind. To be able to harden copper llke steel, might perhaps be of
service to modern fiduatry, but we do not see how copper could be advantageously substituted for steel in any of the purposes for which the latter is now used
B. H. B., of Miss.-Glass water pipes have been tried, but there are many practical diftcultes in their use, for domestic service. S. G. S.. of N. Y.-The thing for you to do, if your eyes are giving out,
remedies.
Boils.-I have recently got rid of eleven or twelve troublesome bolly by taking a teaspoonful, in water, of the following mixture,
before evcrymcal: 2 grains bichloride of mercury, 2 drams todide of po tasslum, 2 ounces strup of sarsaparilla, 2 ounces water. The bolls were gonc bcfore I had taken half the medliclne.-D.B., of N. Y.

## Zetcnt gmetican aud foreigu zatents.

## uler ints heading we shall pubish weekly notes of some of the more promi. nent home and forelgm patents.

Hay and Cotton Press.-This improvement consiats in a combination of T. haped pawl plates, double racks, levers, etc., designed to inform an im-
proved mechanism for actuating the followers of hay and cotton presses. proved mechanlem for actuating the followers of hay and cotton presses.
It can be applied to all pressee in which the follower bar works in slots. In. vented by Engene Rock, of Greenvale, N.Y.
Culrifaror.-Thls invention presents a novelty in this class of agriculturalimplemente, namely, that it makcs the two outalde plows or teeth ad.
ustable as to their distance from each other, the adjustment betng made by the operator as desired for varying width of rowo of plany whtle the
cultivator is in motion and use. This is done in the following manner: The two lnetde plows are attached to the front ends of beams, which are pivoted extend obliquely forward. A chain extendefrom the front eud of cach of fixed tothe central plow beam and thence to the front cnd of the plow
handle on the ade next the beam. The plow handles are pivoted to upright
supports near their malddle. When the cnd of either of the plow handles to supports near their mildde. When the cnd of either of the plow handles is depressed by the hand, the other end 18 ralsed, pulling the chain and draw-
ingthe plow attached to the chain in ward toward the central and princlpal begthe plow attached to the chain In ward toward the central and princlpal
beams or by depressing both handles at once, the operator may draw both these plows in ward, narrowing the width of land cultivated whenever the plants on one or both sides of the cultivator are endangered. As boon as
the handles are relleved of pressure, the position of the pivoted beams branching forward and outward oblisuely, causes the reslitance of the earth to push them outward and take up the chains as fast as the latter are
slackened. This ingenious device is the iuvention of Leauder Walker, of lackened. Thle
Ment Safe.-August Knoche, St. Louls, Mo.-This invention provides for constant circulat to of air preferably gquare in its horizontal section, aud of any suitable hight. The air enters a perforated side of a lower chamber, protected from files by
gauzc, and, pasing out through a perforated side opposite theflrst. ascende a fue to the perforated side of an upper chamber, thence through this side, and across the upper chamber; and through another perforated alde into a tue which extends up to, and over the top of the upper chamber, and opens
into a chimney or funnel communicating withthe external atmosphere. The flues aremadetheentirewldthof the safe.
Foldine Setree.-This ts made with cross-legs, pivoted together, like provement, consisting in hingling the back to the back rall, upon which the canvas, leather, or other flexible seat is nalled. Strap braces extend from he cnds of the rront geat fall to the tops of the stde posts of the back, and When attached, hold the back at the proper angle with the scat for comfort; folded together as to occupy very little space, a used in public halls, churches, etc. Invented by William C.Adams and Wis lism B. Mahew, of West Tisbury, Mass.
Spring Bed bot toy.-A rectangular frame supports a long spring bar on each side of the bed; to the middle of each of these bars is boited a plate. ton being adjusted by wedge-shaped blocks placed under thene, near the ower ende, and resting on the frrst namcd bars. Cross bars connect these aclined bars at each end of the bcd, and on them longitudinal opring slate are placed, to support the mattress. A elat frame is pivoted to the eupport-
tog upper frame thua formed, the frame extending trom the pivots toward the head of the bed. and occupying a apace somewhat more than one third that of the princlpal frame. This is inclined and held at any desired angle by braces, so as to ralse the upper end of the bed higher than the foot. In-
vented by Manasseh W. Farber, of Mount Pleasant, Iowa.
Washing Machise. - This is the invention of willam C. Marr and Jobeph S. Maughlin, of Onawa Clty, Iowa. It conetets in a hollow drum, made by Jonink two diake with croas bars, with spaces between thenu. Everyaltcrnate bar projects inwardly. The drum has a door in the side for puttingin and to be used for hand rubbing when requisite. The drum is madc for attachment to common washtubs, by means of suitable devices. It is turned by a Crank, and the agitation of the water through the openings and through the Apparatug for Unloading His.-A Alexander Smith, Hoosick Four Cor-
aers, N.Y.-This invention consists essentially of a aling, of canvas or other aaterlal, which is to be spread over the wagon rack before the hay is load ed, to be holated by derricks. The sling ts made of two triangnlar pleces of bars, bo arranged that they can be hinged together, and unhinged when the losd is raised so as to dump it on the mow or stack. The silng is patented by itseif, and also in comblation with other devices for carrying the load to the desired point where it is desired to dump it, etc.
Flat Thrashing and Skparating Macaine.-This is the invention of
James Boyce, of Muncie, Ind. Two or more pairs of rollers. with apiral grooves, are employed to crush the bolls of the flax, one roller in each pair
beinginade to travel faster than the other, by suitable being made to travel faster than the other, by suitable gearing, so that a rub ing as wella as crushing action is ing pair, so that the fax fo drawn out and spread, in order to subject all the bolls to crushing and rubbing. The re versed spiral flutes aleo give a sortof shearing motion, which assists to crush and break the bolls to pleces. A supplementary roller for crushing such
bolls as escape the action of the other rollers, and an attachment of shaking iddles and a fan blower. complete the comblnation
Hydrocarbon Vapor boryer.-This burner is designed for the consump. ton of naphtha. From a sultable cap, to attach the eame to a lamp or gas burner, rise metal tabes for wicks (the inventor prefers three of thes
tubes). The wicke lead to a cap at the top, provided with an apparatus fo conducting the heat downward to the wicks, and generating the vapor. uventor states, a better mlluminating effict is obtained. Invented by wil Ilam E. Bartlett, of Newburg, N. Y.
Hat RaEk. - This improvements conslsts in a new method of ralising the
rake bead and rake frame, by a new combination of well known devices J. George Lockwood, West Da venport, N.Y.

Searpriting Horgebhor Cales.-A heavy pedebtal bupporta a jointed Crame, with a aystem of gesring belte and pnlleys which, by the turnlng of a
winch, drives a amall emery wheel. The machine is get near a horse, whoes winch, drives a emall emery wheel. The machine is set near a horse, whos
foot belng ralsed, the calks are held on the wheel and sharpened, while an Ridina Plow.-Benatah C. Hogt, Fort Atkingon, Wis.-This invention ventor, September 2, 1856. The plow to one upon which the operator rides The action ofthe mold board is supplemented by a complementary concav disk, which formerly turned on a exed pivot, but in this instance is attached to a shaft which revolves. The machine is easily adjusted for running o level ground, or when a wheel runs in the farrow, malntaining the plow in
elther case in its proper vertical poittion. Other improvemente providefor increased durability in parts, which nave hitherto been subjeoted to grea
wear.
Folder and Tucker.-Thomas Manchester Farrand, Skowhegan, Me. bosoms and the like, which cannot be explained without dlagrams. It is a tached to the table of sewing machines by a clamp screw, in the ordinary
way; it occupies but ittle space, and ite deetg is very neat.
Clothrs Clayp.-.This ts a clasp of non-corrosive wire, bent something
in the form of a twlated W , which, when sprung upon a clotbes line, gripes It with considera ble force. It is a cheap substitute for other devices hither to used
ohio.
Maching Ofster Shiciker.-GeorgeHoltzman, Baltimore, Md.-This in. crusbing the polnte or faws of oyster shells while still closed; and with rest and epring holder to support the oyster after the polnt of thcehell has been thus crushed, and a sllding knife for opening the shell while thus sup. cutting the oyster out of the shell after it has been thus opened.
Spinning Hra D.-John W. Chappell, Berlin, Mich.-The object of this in.
vention to to dispense entirely with condensers and Jacks, which is accom plished by combining the spinalig head, carding cyllinder and windin pool in a novel and pecullar manner
Sewing Machise Moror.-D. A. Constable, and John F. Rigge, St. the speed of a sewing machine motor, by means of blades hinged to radia arma, which project from a hub that is driven by the motor. the retardation of the speed of the latter betng effected by opening the blades so as to cause
them to present more of their surface to the alr, and thus produce a greater resiotance, and the acceleration of opeed being effected by closing the
so as to diminish that part of thelr surface against which the air acts.

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115,269.-HAND STEREOSCOPE, - A. Beckers, Now 115, 269.-Hand Stereoscope.-A. Beckers, New York city. 115,270.-Ho's ARs Furnace.-J.M. Blackman, Decorah, Iowa. 115,272.-Washing Machine.- Nathan Booth, Cheshire, Ct. 15,27.-Clader for Thill Coupling.-W. Woyd,Hartiford, C 115,274.-PPulp Machine.-James Bridge, Augusta, Me.
115,275.-Vise.-H. V. Brown, Warren, Ill.
115,276.-WAshing Macuine.-J. Brown, W. Manchester, 0 .
115,276.-Washing Maciine.-J. Brown, W. Manchester, O.
115,277.-Glove.-R. D. Burr, Kingsborough, N. Y.
115,278 .-EnameledMetal.-G.A.Burrough,Providence, R.I.
115,278.-EnameledMetal.-G.A.Burrough,Providence,R.I.
115,279 .-Converter.-Henry Chisholm, Cleveland, Ohio.
115,280.-'l'raction Engine.-J.H.Clapham,New York city.
115,281.-BENDing METAL. IV. and H. Cooley, Toronto,Can
115,282 .-HENMER.-D. H. Darby, Mendon Il.
115,282.-HEMMER.-D. H. Darby, Mendon, Ill.
115,283.-Flask.-H. W. Dee, London, England.
115,284.-Grain Binder.-C.G.Dickinson,Poughkeepsie,N.Y 115,28j.-Suraical Instrument.-E. Dithridge, Pittsburgh. 115,28j.-Surgical instrument.-E. Dithridge, Pittsburgh.
115,286.-KEved Instrument.-H. Downes, New York city.
115, 287.-Matrice-R. E. Draper, Sacrament.o, Cal. 115,288.-WORk Holder.-H. Eddy, N. Bridgewater, Mass. 115,288.-W ORK Holder.-H. Eddy, N. Bridgewater,
115:289.-UnN Stand.-W. J. Evans, New York city. 115,290-Lathe Spindle.-L. R. Faukht, Philadelphia, Pa,
115,291.-Die Stock.-L. R. Faught, Philadelphiq. Pa. 115,291 --Die Stock.-L. R. Faught, Pliladelphig. Pa.
110,292.- Horsting Apparatos.- R.L. Fitch, Sing Sing, N.Y $110,292 .-$ Hoisting Apparatos.- R.L. Fitch, Sing Sing,N.Y
115,243 .- Polishing Ore.-I. W. Forbes, La Porte, Ind. 115,294--Pulverized Oike.-I. IV. Forbes, La Porte, Ind.
115,295 .-S'Tamp Battery.-I. W. Forbes, La Porte, Ind. 115,295.-S'Tamp Battery.-I. WV. Forbes, La Porte, Ind. 115,
115
115,299.-Valve.-I. W. Forbes, La Porte, Ind.
115,300.--Valve Gear.--I. W. Forbes, La Porte, Ind. 115,301.-Steam Enaine--I. WV. Forbes, La Yorte, Ind.
115,302.-Coffee Roaster.-J. Galloway, Webster, Ill. 115,303.-Steanc Trap.-1. E. Giddings, Springfield, Mass. 115,305.-Blasting Furnace.-L. S. Goodrich,Waverly,Ten 115,306.-Packing Box.-A. Gregg, Watertown, Mich.
115,307.-Winffletree.-A. J. Griggs, Pittsburgh, Pa. 115,307.-WimfFletree.-A. J. Griggs, Pittsburgh, Pa.
115,308.-Soldering Apparatos.-J. Gulden, Keyport, N.J. 115,309.-Wire Rope.-A. S. Hallidie, San Francisco, Cal.
115,310.-Vike Rope.-A. S. Hallidie, San Francisco, Cal. 115,311.-HORSEsHoe.-W. H. Halsey, Philadelphia, Pa.
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115,319.-ANIMAL PokE.-James Hopkins, Akron, Ohio.
115,320 - WAsh BoILER.-M. L. Horton, Windsor, $\mathrm{V} t$. 115,320.-Wash Boiler.-M. L. Horton, Windsor, Vt. 115,322.-Dtove Leg.-H. A. Humphrey, Milwaukee, IVis, 115,323.-CChURN DASHER.-W. F. Jones, Easton, Kansas. 115,324.-Chuck.-Wm. Kerr, Jr., Boston, Mass. 115,325.-WWashing Machine.-B. Kinne, Syracuse, N. Y.
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115,328.-Hand Saw.-O. H. Langdon, Homer, N. Y
115,329.-LAMP.-H. H. Laughlin, Philadelphia Pa 115,330.-CATch.-G. C. Lawton, Algona, lowa. 115,331.-Flour Bolt.-F. B. Lewis, Tiffin, Ohio.
115,332 .-Music Stool-_J. R. Lomas, New Haven, Conn. 115,333.-SLIDINQ Door.-T. M. Lyons, New York city.
115,334.-ExHAUST.-P. W. Mackenzie, Blauveltville, N. Y. $115,334 .-E x h a u s t .-P$. W. Mackenzie, Blauveltville, N. Y.
115,335 --Elevator.-John Macomb, Chicago, Ill. 115,336.-Bag Tie.-C.P.and W.H.Markham,Rogersville,N.Y 15,337.-Centering Machine.-E. McNiel, Groton, N.
$15,338 .-B o i l e r .-F$. Meyer, New York city. 115,339.-Ventilator.-B. F. Miller, New York city. 115,341.-Lock For Sashes.- W. Miller, Boston, Mass. 115,343.-Gar Truck.-G. F. Morse, Portland, Me. 115,345 .-DOor Mat.-P. W. Neefus, New York city. 115.346.-Horse Collar.- James Nellis, Ypsilanti, Mich. 115,347.-TAssel-Dames Norman, Brooklyn, N. Y. 115,349.-Letter Board.-J. H. Palm, Mansfield, Ohio. 115,350.-VAPOR Burner.-G. T. Parry, Philadelphia, Pa. 115,350 --Vapor Burner.-G. T. Parry, Philadelphia, Pa
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115,357.-Baqatelle-M. Redgrave, Cincinnati, ©hio.
115,358.-Pinch Bar.-A bram Reese, Pittsburgh, Pa. 15,358.-Pinch Bar.-A Abram Reese, Pittsburgh, Pa. 115,360 .--Boat Detaching.-I. A. Richards, Middletown, Ct 115,361.-Freezer.-Moritz Rosenstein, Boston, Mass.
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115,409-lce.-Albert Albertson, Jersey City, N. J. 115,409.-lce.-Albert Albertson, Jersey City, N. J. 115,410.-ADJuster.-S. A. Alexander, Sunbury, Pa.
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$11 \tilde{5}, 431$ -115,431.- Rain Dryer.-J. Burns, New York cit
115,432.-RIvet.-W. Rutter field, Boston, Mass. 115,433.-CAR Coupling.-W. W. Callow, J., Baltimore, Md.
115,434.-PROPELLER.-W. D. Ctapman, Theresa, N. Y. 115,434.-Propeller.-W. D. Chapman, Theresa, N. Y.
115,435.-Spinning Head.-J. W. Chappell, Berlin, Mich. 115,43ß.-Motor.-D. A. Constable, J.F. Riggs, St. Joseph, Mo. 115,437.-Cookrng Apraratus.-J.G.Cooey, St. John, Canada, 115,438.-Surface Gage.-W. F. Cornell, Adrian, Mich. 115,439.-Dra Wiead.-D.P.Cory, J.Crane,J., Craw
115,440.-Renovatic R.-B. F. Cramer, 'lyrohe, Pa. 115,440.-RENOVA't R. - B. F. Cramer, Tyrone, Pa
115441. SAW.-T. C. Craven, Philadelphia, Pa. 115'441.-SAW.-T. C. Craven, Philadelphia,.Pa.
115,442.-Drop IIGhts.-J. Cunningham. W. Meriden, Conn. 115,443.-Rolling Leather.-J. G. Curtis, Warren, Pa. 115,444.-Furnace.-M. A. Cushing, Aurora, Ill. 115,445.-Lock. - G. L. Damon, Cambridge, Mass. 115.446.-SEASONLisg Wood.-E. Davee, Marshall, Ill. 115,447.-Gas Joint.-C. Deavs, New York city.
115,448.—Latch. J. L. Devol, Parkersburg, West 115,448.-Latch.-J. L. Devol, Parkersburg, West Va.
115,449.-Axle Box.-D. H. Dotterer, Philadelphia, Pa. 115,450.-'T'ackle Block.-E. Doty, Janesville Wis 115,450.-TACkLE Block.-E. Doty, Janesville, Wis.
115.4i.-Tapring Nets.-J. N. Durrell, Dunkirk, N. Y 115,4,41.-TAPPING NUTS.-J. N. Durrell, Dunkirk,
115,452.-Driven WELL.-J. Edson, Boston, Mass. 115,453.-Wagon Coupling. - A. Fassett, Sterling, IIl. 115,454.-Wagon Seat.-A. Fassett, Sterling, Ill. 115,455.-Watch Case.-W. Fenimore, Philadelphia, Pa. 115,456.-Show Stand.-W. Fisher, New York city 115,457.-Wood Pavement.-M. Flanigan, Detroit, Mich.
11,5,458.-Lamp Chimen. S . W. Fowler, 115,459.-Ccltivator.-C. Furst, Chicago, Ill. 115,459.-Ccltivator.-C. Furst, Chicago, Ill.
115,460.-Medical Compound.-G.H. Goltry, F. W. Hogarth, Port Allesheny. Pa.
115, 461.-DryER.-F. W.Goodale,J.J. Brennan, Danbury, Conn. 115,463.-Packing.-A. H. Hall, T. Locher, Sacramento, Cal.
115,464--Alarm Baton.-J. F. Haskins, Fitchburg, Mass 115,465--Reeling Machine-W. W. Hatch,Lincoln Center,Me. 115,465.-Reeling Machine.-W.P.Hatch,Lincoln Center,Me. 115,467.-COFFEEPOT.-J. Heberling, Mt. Pleasant, Ohio. 110,468.-Cooling Beer.-J. M. Heiss, Baltimore, Md. 115,469.-Thread CuTter.-J.J. Henry, Baltimore, Md 115,470.-Railway Switch.-B. Ainkley, Troy, N. Y. 115,471.-Roof.-I. Hodgson, W. H. Brown, Indianapolis, Ind. 115,472.-Ceiling.-I. Hodgson, W. H. Brown, Indianapolis.
115,473.-Leather.-J. Hodskinson, Salem, Mass. 15,470.-Leather.- J. Hodskinson, Salem, Mass. 115,474.-Oyster Shucker.-G. Holtzmann, Baltimore, Md.
$115.475 .-$ Pavement.-VV. W. Hubbell, Philadelphia, Pa. 115,476.-Stove.-J. G. Hunt, Cincinnati, Ohio.
115,477.-Steam Heater.-A. L. Ide, Springfield, Ill.
115,478.-Valve Motion.-S. Ingersoll, Brooklyn, N. Y 115,479.-Safe.-G. H. Ireland, Sornerville, Mass. 115,480.-Cutting Nails.-C. F. Johnson,J r., Owego, N. Y.
115,481.-Clock.-: A. A. Jones, Tiew York, H. H. W. 115,481. - Clock.-': A. Jones, New York, H. H. Warner

115,483.-Firearm.-B. F. Joslyn, New York city.
115,484.- Staining Wood.-J. M. Keller, Evansville, Ind
115,484.-STAining Wood.-J. M. Keller, Evansville,
115,485.-BEDstead.-M. Lally, East Palestine, Ohio.
115,486.-Warming Coal.-G. Lander, New York city.
115,488 Comb. B. Mank, W
115,489.-РнотоGRAPII.-W. A. Leggo, Montreal, Canada

115,490.-Mold.-W. A. Leggo, Montreal, Canada.
115,491.-WRINGER.-J. Makechney, Trenton, N. J.
115,491-WRinger.-J. Makechney, Trenton, N. J.
115,492.-HEAD Block.-H. R. Martin, Hillsborough, N. H 115,493. - Boots.-W. May, Binghamton, N. Y.
115,493.- Boots.-W. May, Binghamton, N. Y.
115,494.-Cabinet.-H. W. McAllister, Chicago, Ill.
115,494.-Cabinet.-H. W. Mcallister, Chicago, Ill.
115,495.-Fire Plug.-J. McClelland, Washington, D C
115,496.-Fire Plug.-J. McClelland, Washington, D C.
115, . 115,497.-WHEEL.-J. McCree y,Springfield, Il 115,498.-Cartridge.-I. M. illbaak, Greenfield Hill, Conn 115,499.-Saw Fiame.-H. S. Miller, Philadelphia, Pa. 115,500.-SAw Frame.-H. S. Miller, Philadelphia, Pa 115,501.-Indica 'or.-F. Millward, Cincinnati, Ohio. 115,502.-Ordnance-A. Moncrieff; Culfargie, Scotland.
115,503 .-Rock Drill.-D Morrion, Portland Me 115,503.-Rock Drill.-D. Morrizon, Portland, Me.
115,504.-Felly Plate.-F. B. Morse Plantsville, C 115,505.-Distributer.-J. A. Morton, New Orleans, La 115,505.-DISTRIBUTER.-J. A. Morton, New Orleans, La.
15, 506 .-GAs Burner.-H. B. Meyer, Philadelphia, Pa. 115,507.-CAR Coupling.-W. Nichols, Centralia, IIl. 115,508.-Loom.-A. Nimmo, Philadelphia, Pa. 115,509-Hinge.-E. D. Norton, Cuba, N. Y. 115,510.-Car Ciair.- W. Palmer, New York city
115,511.—Napkin.-E. Parrish, Philadelphia 115,511--NAPkin.-E. Parrish, Philadelphia, Pa. 115,512.-Vermin Compound.-A. E. Pearl, Mansfield, Conn. 115,514.-Duckping Car.-A. Peteler, New Brighton, N. Y 115,515.-Grate.-J. F. Phelps, Huntsville, Ind. 115,516.-Sewing Machine.-D. 'T. Pittenger, Trenton, N. J 115,517.-CAR Coupling.-A. Porter, Irving, Ill.
115,518.-Electromagnetic Machine-J. 115,518.-Electromagnetic Machine.-J. W. Powell, New 115,519. city. Galvanic Battery.-J. W.Powell, New York city 115,520.-Horshoe Macirine.-D. L. Pruner, Bellefonte, Pa. 115,521.-Insclator.-H. Read, Jersey City, N. J. 115,522.-CAR Courling.-W. Rickards, Jr., Franklin, Pa. 115,i22.-Grain Drill.-J. L. Riter, Brownsville, Ind.
$115,524 .-L a m p$ Wrci--H. T. Robbins, Hyde Park, Mass. 115,524.-LAMP WrCK.-H. T. Robbins, Hyde Park, Mass.
115,525 .-Harrow.-Win. E. Robbins and George Enderton
sterling. ml. 115,526.-Cultivator.-C. F. Ruggles, Henderson, Ky. 115,527.-Lamp Shade.-Edward Russell, Waterbury, Conn. 115,528.-LAMP - Marks Samuels, San Francisco, Cal.
$110 ̈, 529 .-N e e d l e ~ W h a p p e r .-C . S c h l e i c h e r, S c h œ o n t h a l, ~ P r u s, ~$ 115,530--Pitching Casiks, etc.-L. Schulze, Baltimore, Md.
115,531.-Tree Box.-E. O. Schwagerl, St Louis Mo 115,531.-Tree Box.-E. O. Schwagerl, St. Louis, Mo.
115,532 .-Ax Hande.-J. M. Sears, Vandalia, Ill 115,532.-Ax Handle.-J. M. Sears, Vandalia, IlI.
115,534--Sar heater.-Joseph Shackleton, Rahway, N. J.
115,535.-Bucke Roller.-C. D. Shrieves, Philadelphia, Pa 115,536.-Burial Case.-E.T.Smith,J.S.Winston, New York 115,537.-Plow.-G. M. Smith, Pittsburgh, Ind.
115,538.-Gang Saw Mill.-H.F. Snyder, Willi
115,538.-GaNG Saw MILl.-H.F. Snyder,Williamsport, Pa 115,539.-CARSEAT. CStevenbanks,J.Quinn, Wilmington,Del 115,540.-Stove Leg.-D. Stuart, L.. Bridge, Philadelphia, Pa. 115,542-_Docur-_ Ces C S Srevit, Was
115,542-Docuninet Case.-C. S. Trevitt, Washington, D. C.
115,543.-Subsorl Plow.-R. Themar, Brand Brothers, She-115,544.-CLOTHESLINE Housing.A.Turnbull,NewBritain, Ct 115,545.-Weather STrip.-A. M. Ulmer, Philadelphia, Pa 115,547.-DIARRHEAMEDICINE.R.A.Walton,Shawneetown,lll. 115,548.-Cartridge.-C. S. Wells, Springtielf, Mass. 115,549.-Axtridge.-C. S. Wetsell, Carrolltown, Pa.
115,550 . - Bracket.-J. M. Whiting, Providence, R. I. 115,550.-Bracket.-J. M. Whiting, Providence, R. I.
115,501.—Water Wheel.-T. Whitmore, WaterIoo, I 115,552.-ChURN.-I, B. Williams, Glastenbury, Conn. 11.5,553.-SEed Drill.-G. W, Millner, Charlottetown, P.E. 115,554 .-Photograph Paper.-J.L. Winner, Elizabeth N.C REISSUES.
4,399.-Evaporating Brine.-S.D. Gilson, Syracuse, N.Y.-4,400.-PRINTING PHEEs. -R.M. Hoc, S. D. Tucker. New York

 4,403.-Division A.- TAP FOR OIL PACKAGES.-A. Warth, Sta pleton, N. Y.-Patent No. 110,612, dated Dec. 27,1870 .
4,404, -Division B. -TAP FOR OIL PACKAGES.A. Warth, Sta-
pleton, N. Y.-Patent No. 110,612, dated Dec. 27, 1870 . 4,405.-CRIB FOR Horses. - Henry Edddy, North Bridgewater




 DESIGNS.
4,942.-Clock Front.-John A. Batchelor, New York city. 4,943.-Carpet Pattern.-R. Charlton, Liversedge, Eng. 4,944.-Carpet Pattern.-John Fisher, Enfield, Conn.
4,945.-Chain Pump.-Henry L. Fry, Cincinnati, Ohio. 4,945.-Chain Pump.-Henry L. Fry, Cincinnati, Ohio 4,947.-Stove.-L. W. Harwood, Troy, N.Y.
4,948.-Clock Case Sasir.-Elias Ingraham, Bristol, Conn. 4,949.-Bellows.-Alfred F. Jones, New York city. 4,950 to 4,952. - Carpet Pattern.-W.Kerr,Philadelphia, P 4,953.-Oven Shovel.-Thimas Lyons, Hartford, Conn.
4,954 - Fruit Can.-John F. Merrill, Cincinnati, Ohio. 4,954.-Fruit Can.-John F. Merrill, Cincinnati, Ohio.
4,955 .-Bed Quilt.—John U. Nef, Housatonic, Mass. 4,955.-Bed Quilt.-John U. Nef, Housatonic, Mass.
4,956.-Carpet PatTern.-John H. Smith, Enfield, Con 4,957.-Cellular Fabmic.-Thomas Dolan, Philadelphia, Pa 4,958 to 4,961 . -Iron Manvel.-C. B. Evans, J. Carlisle, G. H 4, Burows Cincinnatil Ohio.
4, 962 .-Bracket.-H. Gilson, C. F. Southwick, Nashua, N.H 4,963.-Center Piece in Ceilings.--E.Goutink,Detroit,Mich 4,964.-Weatherboarding.-Jacob Jacoby, Johnstown, Pa. 4,965,4,966.-CENTER PIECE.-S. Kellett, San Franc
4,967.-Claw Bar.-John McMahon, Wooster, Ohio. 4,967.-Claw Bar.- Jloor Cloth Pattern. V.E.Mever,Lansingburg, N. 4,969.-Spade,-Harrison Parkman, Philadelphia, Pa.

## TRADEMARKS.

290.-Flour.-S. H. Anderson \& Co., Palmyra, Mo 291.-Twist Tobacco.--R.W.Cameron \& Co., NewYork city 292.-Kerosene.-R. W. Cameron \& Co., New York city.
293.-Fertinizer.-Charleston Mining and Manufacturing 293.-Fertilizer.-Charleston Mining and Manufacturing 294.-Carpet Lining.-George IV. Chipman, Bos 296, 297.-F'URNishing Goods.-Fisk, Clark \& Flagg, New York 298.-Garter. - Amasa H. Pike, Somerville, Mass. 299,300.-Razor.-Robert J. Roberts, New York city. 301.-Wirsk y.-Seltzer \& Miller, Philadelphia, Pa. 305.-Soar.-Charles E. Willetts, Chicago, Inl.
30.


APPLICATIONS FOR EXTENSION OF PATENTS.
 Cultivator.-Charleg H. Sayre, of Utica, N. Y., has petitioned for an ex engion of the above patent. Day of hearing, August 9,1871

Did patentees realizc of the Extent that their inventions are likely to bo inort roductive of profit during the seven yea 9 of extension than the fret hil ter mfor which their patents were \&ranted, we think more would aval hemsei ves of the ex tension privilege. Patents granted prior to 1861 may be
extenaed forseven years, forthe benefit oft he Inventor, orof his heirs in aase of the dectase of the foriner, by due application to the Patent Offce, ninety days before the termination of the patent. The extended time finures to
the benefft of the nventor, the assignees veider the first term having no ghts under the extension, except by special agreement. The Goverumet ee for an extension is 8100 , and it is necessary that good professioual scrvice
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