las come. Everywhere now we bring Monday, and in twen ty-four hours by the chronometer after starting, we are in New York again, and find the merchants taking down their shutters, and the Monday newspapers telling us what has happened during our absence.

## the right to free highways.

Why is it that in all the bills and bids we hear of for the construction of railroads or bridges in, above or under our streets and rivers, and among all the proposals or de mands of compensation to the public for these lucrative pub profits shall ke applied to the cheapening of fares for the million? Why is it that projectors propose to pay license milnion? into the public treasury or to divide their profits with fees inho the pab interests already provided for and the school fund-interests already provided for and sure to be sustained-but slirink from the business-like and bene-
ficent plan of reducing their fares and enlarging their traffic ficent plan of reducing their fares and enlarging their traffic progressively, to any extent which will still yield lucrativ returns.
Time is more than money : it is life : and rapid and cheap locomotion is life and money in a double sense, to the industrious and especially the industrious poor. They cannot always afford to pay twenty cents an hour for life; but it might and ought to be afforded them, though the medium of cheap and rapid locomotion, at five or ten cents an hour with the blessings of pure air and moderate rents beside The legislature which will provide for a system of rapid con veyance to and from and throughout this city and its suburbs, with a steady compulscry reduction of fares as fas and as far as consistent with a liberal but not inordinate profit and with due regard to safety and comfort, will do an amoun of good and earn a grateful remembrance not often open to any body of men in the course of a century. Such a system, we believe, would speedily reduce all city fares to three cents and all fares from the city to the remoter suburbs to six cents; while the improvements in economy of propulsion yet before us in t'ee future may ultimately make one cent each a profitable fare for the daily moving millions of the city that is to be.
There can be no doubt that, on sound principles of political economy and philosophy, all private property in public highways ought eventually to be extinguished, and the use of them for public or private traffic thrown open on equal terms to all, taxed only with an equitable proportion of the cost of maintenance, in the same manner as common roads. The proper aim of a public work is not profit for a few, nor even wealth and honor to the whole, but to economize the time, strength and means of every individual: for of the gains of individuals all public wealth all its. In the infancy of our country, the rewes all its individuals were organized or incorporated in som sort for making the roads, bridges and other public work esteemed indispensable, and these became at once common property and free to all. A continuance of the same principle of action would have made the railroads, canals, bridges and colleges as free as the common roads and the common schools. In an ídeal republic of good men, devoted to public rather than private good, this would be possible and incalculably profitable. But in a republic of men as they are, selfish, and only forced into union of interests and resources by extreme necessity, nearly all progress in public works and institutions is necessarily left dependent on selfishness, and in order to have better roads, bridges, etc., it is necessary to allow certain individuals enormous profit and wealth as an induce ment to build them. Nevertheless an eventual return to the primitive ideal of free common wealth in all that is in its nature common to all, should be persistently kept in view There is a proper and a practicable limit to all these public grants, which will be strictly insisted on by every legislato who is at all qualified by sense and honesty for his trust The profit of the road company is to be regarded only as means to the true end, public accommodation and economy and is to be used only so far as necessary to attain that end; not carried so far as to interfere with it.
The present tendency toward a reabsorption of railroad telegraph and bridge property by the public and for public benefit, through the agency of Government, is a hint which may yet become an assertion of the principle embodied in the limitations of every charter, thatall such grants are but temporary concessions, for the ultimate benefit of the commonwealth, and that when they have served their purpose and repaid their beneficiaries, they must return as public property. We are not prepared to say that the resumption of these grants by character, would be an improvement Nor does it matter character, would be an impros does it matte will work themselves out in their own time and way, little affected by theory and advice. There is one direction, how ever, in which we think we can discern a practical drift in the nature of things; and it is illustrated in the peculiar principle of the proposal on foot for a railroad from the Missouri river to Texas, to be open to all parties for their own car and locomotives, by payment of tolls, in the same manner as canals usually are. There are reasons enough why rail roads should eventually go the way that most turnpikes have already gone, becoming first toll roads, and eventually in a distant future of greater common knowledge and wealth free public roads. Monopolies are at best necessary evile and that temporarily, and their manifest destiny in erests the whole, sooner or later, after they have served their temporary purpose

In regard to the internal highways of a metropolis like this, we may assert as an axiom that there is no mere reason
for making the rails, tunnels and buidges private property han for providing the pavements, sidewalke, street crossings amps, sewers, Croton water, public parks, etc. etc., on th ame principle. The evils of the private property system as applied to this class of public works (to which may be added the gas service) are such as the community literally groan under, without a hope of remedy. On the other hand, the beneficent success of the system of public works under which the Croton Aqueduct and Central Park were constructed is a standing refutation of all arguments against the exten ion of such a system to the construction of a complete and atisfactory network of free public ways beneath or above ou present crowded thoroughfares and rivers, and the equitable resumption of the much-abused privileges of all our city rai road and ferry companies. We invoke the attention of the egislature to some statesman-like and far-reaching measure of emocratic progress; for which the people can afford to wai little in preference to riveting tighter the bonds of th resent undemocratic monopoly system for the sake of tem porary convenience.


ISSUED FIROM THE U. S. PATENT OFFICE
FOR THE WEEK ENDING FEB. 12. 1867
patents are granted for seventeen years, the following dule of fees:-

andeal to Commissioner of Patents
n application for Relesue ....


 61,914.-Arm for Car Seats.-Albert L. Babcock, New Haven, Conn.

Spinevice for Oiling Spindles, Top Rolls, etc., of Spinning and other Machinery.-Samuel H. Barber
East Greenwich, R. I.

n, wool, and other material, for the purpose and substantially as herei
et forth.
, 1616 .-Steam Engine -John S. Barden, Providence, R. I Iclad hene $\mathrm{C} D$.


61,917.-Mode of Treating Saccharine Matters.-Ed ward Beanes London, England
I claim sublecting saccharine matters to the action of ozone, substantially
sand for the parpose describe
Cleveland Otus for Carbureting Gas.-W. W. Bierce $\underset{\text { First, I claim the fifoat, D, }}{\text { Clich }}$

 C' 1 claim - BLe combr.-George W. Wigelow, New Haven, Conn I claim the combination of the revolvine valve, E , with the vibrating pis
on, D, ubbstantially an and for the purpose enerein et forth.
1,920.-DIE FOR Forming SPIKE HEADS.-Reuel Black 61,920-Dodie For Forming Spike Heads.-Reuel Black
wood, Philadelphia, Pa.
 61,921-CAP FOR PRESERVINGibas.
1,921.-Cap For Preserving J ars.-Joseph Borden, Bridge
 61,922.-Coal Stove.-Albert Brown, Troy, N. Y.
 61,923 .-Sash-spring Holder.-Reuben F. Brown, Lewis$\underset{\text { chaimg, Pa. }}{\text { bas }}$

1,924 .-Clotnes-line Reel and Hcuse.-M. H. Card and A. Sallee, Fulton, Ill.
 61,925.- Churns.-William L. Card, Gardiner, Ill. Iclaim, the combination of the revolving churn and, stationary dashers
the hollow shaft.a, and remotabe spindes, F, arranged and operating sub
santially as and for the purposes C1,926.-ScREW GAGE.-J. S. Copeland, Bridgeport, Conn. 61,927.-Hymn and Tune Book.-Ebenezer Curtice, Yonkers, N. Y.
I claim. . Frrst, In singing books having their leves cut, as hereindescribed
nase of whole leaves, futervening the cut leaves, for the purpose men
 61,928.-Carpet Stretcher.-George O. Dunlap, Chico-

61,929.-Wrench. - Timothy Earle, Yalley Falls, Smith-

61,930.-Machinery for Drying Paper in Paper-making Machine.-Oliver Ellsworth (assignor to himself and Richard Smith), Boston, Mass.

## paper oy tho expanstion and contraction or tenston of the paper made and dried. Als. 


 61,931.-Preparing Soluble Silica, and in Applying the same to Useful Purposes.-Anthony L. Fleury, Phila-
delphia, Pa. Antedated Dec. $28,1866$.

 61,932. - Straw Cutter.-Warren Gale, Chicopee Falls,
Mass. First. Iss.aim the pressure cylinder, A, constructed substantially as de.
 set focond. In combination with the above claim, sliding box, A, screws, E E,
spring, D, operating as deecribed and for thepurposes set forth. 61,933.-STraw Cotter.-W. Gale, Chicopee Falls, Mass. $\underset{\text { First, I claim the pressure, }}{\text { Antind }}$


 61,934-Machine for Straightening the Weft or FigUres of Textile Fabrics.-James Greenwood, Clin ton, Mass.

 rollers, or their equivalents, for presenting a p pece of chloth to the a ction of
such roller, in the manner and for the purpose set forth.
61,935 - BELT CIAASP. - Philander Harlow, Hudson, Mass., assignor to himself and Asa F. Hall.
I claim the bett fastening composed of the two pates. A and C. construct. I claim the belt fastening, composed of the two plates. A and $C$ c. construct-
ed and operating tozether in the manner and for the purpose substantially as
ecseribed. ceseri bed
61,936.-Edible Preparationfrom Indian Corn -J. W IIaskins, Charlestown, Mass
 61,937.-Steering Apparatus.-Horatio F. Hicks, Grand View, Ind. Antedated Jan. 28, 1867.
 y mean, of which the boat may be steered from forward or ait, substantially 61,938.-Machine Gearing.-Alonzo Hitchcock, New York City. Antedated Jan. 30, 1867.
I claim distrip,zting the power around the shaft to be driven so that the
tendency to displace the shaft on one side 1s ocunteracted by that on the
other by the means and in the manner substantially as des ribed. 61,939.-Harness Clamp.-Thomas B. Hodge, Francistown, Mass. Assignor to himself and D. Mcctaine, Groton, Mass.
I clainn the
 AAso, the combination theremith of on
1,940.-Sorginum Stripper-A. D. Huff and L. D. Huff Clinton, Iowa.
 purposes described.
61,941. - Animal Trap.-Henry Lee, Oberlin, Ohio
 61,942.-Fence.-J. C. Leonard, Union City, Mich.
 61,943.-Cultivator.-Ivory Lord and Sewall Woodman, 61,943.-Culti
Saco, Me.
 second. The attachment of the teeth by the rods orarms at a distance from
the wod. as shown in Figs, 1 and 4 , and sccured in place by nuts und keys, as
descibed
Third, The mode of widening or narrowing the
 61,944.-Harvester.-James S. Marsh, Lewisburgh, Pa.
 $2 \mathrm{xm}=2=2$


 pointo of the aduard fing trs to suit the condition of the gras to be cut, sub-
tantially as described. 61,945.-Cooking Stove.-James Marshall, New Orleans,
 61,946.-Apparatus for Extracting Paraffine, etc., 1,946.-Apparatus For Eil.-J. B. Meriam, Cleveland Ohio.
From Oind First, I claim the stanclions, G, pulleys, $\mathbb{N}$ Nand $\mathbf{O}$, as arranged in combl-
nation with the frames, $A$, and pan, $B$, for the purpose and in the manner as set forth. The cross head, D, friction rollers, c ', in combination, with the
second,
stanchions, G, anarrangedand operated by the link, K , and levers, L , for the
 Fourth, The follower, E, with the dependent arms, C , in combination with
the evllner, P , for the purpose and in the manner as substantialy as described. The arrangements of the cases, S , bucket, U, pipe, $T$, in combination
Fitth the tank, Q,provided with the periorated bottum, k , asand tor the purpose, set forthe, S , buckets, V , in combination with the tank, Q , and
freezing The cases
mixture, for the purpose and in the manner as described. 61,947.-Caster Frame.-Frederick J. Miller, Brooklyn, N. Y.
First, I claim the casier frame whose base is provided with receptacles or
compartments for salt, sug $r$, etc., when constructed in the manner described
 61,948.-DDuptag Whan.-GGeorge N. Munger, New Or-
leans, La. leans, La.

 61,949.-Hardening Iron.-Harvalin Paddock, St. Johns-



61,950 - - Combination of Stamp holder and Inkstand.
Philander Perry, Charlestown, Mass., and Joshua Brooks, Newton, Mass.





 B. Prindle, Norwich, N. Y.
 Manufacturing Compary, Salem, Ohio.





 as and for the purpose described.
61,953 .-HARVEstER.-Amos Rank (assignor to the Ktna Manufacturing Company), Salem, Ohio.
 61,954.-Mincing Knife.-Helen M. Remington, Spring-
 61,955.-Machine for Grinding Saws.-John Richards, Columbus, Ohio.




61,956.-Cooking Stove.-J. J. Savage, Troy, N. Y.



 and coorb bustion chamber of tho furnace, substantially in the mannor and for
purpose as herein set forth. 61,957.-Chemical Composition for Blasting Rocks.I claim the above-described composition of ${ }^{2}$
the parposes described and set forth.
$61,958 .-$ Pavement- William H. Shurtteff, Providence, R. I.
First. First, I claim a paring block composed of wood and iron or other suitable
metacticomoined and applied to each other, substuntially as ghown and set
forth.



 61, fors.- CHEESES V V AT. - Alanson Slaughter. Middletown, N.Y.
 61,960.-Portable Pibtol Gallery.-Fisher A. Spofford and Marthew G. RRaffington, Columbus, Ohio.
First, We claim aminiature portable pistol gallery, constr
 61,961.-Railroad-time Indicator.-R. C. Taylor, Brockport, N. Y

 61,962.-Metallic Carriage Wheels.-Adam P. Ware,
 with the plates, $h$ nuts, an and spokes, $C$ in tie manner described. 61,063.-Excavator and Potato Digger.-Benjamin 0. First,






 and for the purpose as herein set torth.
61,964.-FURNace and FIre-Place Grate.-George Wa
riner, Little Ilford, England.



 61,965.-Peat? Maciinne.-Darius Wellington (assignor to Cornelius W ellington), Boston, Mass



forth.
61,966.-Fire Brick.-Samuel K. Wellman, Nashua, N. Y.


61,967.-Railroad Switch. - George Westingham, Jr. Schenectady, N. Y
First, I claim a portable railroad switch having double branch trackg, DD,
Whithch converge as shown, a n a are insersected by grooves, H H, substantialls
as set forth. Which converge as shown, and are insersected by grooves, H H, substantially
as set forth.
in coond a chaim the double grooved frog
in combination with the switch bar, E, substantially as set branch track, D , Third, I also claim the retention or the rest, ${ }^{\text {F }}$ of the branch tracks,
backward, so as to form a bearing surface for the switch bar behind
 tantial
61,968.-Mandfacture of Paper Boxes.-Seth Wheele and EANPar Jerome, Albany, N. Y.
First, We cilre, in the manuacture of holow



 61,969.-Mandfacture of Boxes from Paper Pulp.Seth Wheeler and Fidgar Jerome, Albany, N. Y.

 61,970.-Horse Shoe Nails.-Albert S. Wilkinson, Paw tucket, R. I.
 tharing a slow tapering head, B, passing quite through the shoe or through
the ope ser pota of a double hoe, substantially in the manner and for the pur
porth. 61,971.-Horse Shoe.-Albert S. Wilkinson, Pawtucket R. I.
First. Iclim the placing of a toe clip, B, on one side of the toe of the shoe,
so as to be mainly opposite one of the hects of the shoe, when the said op.



 61,972.-Horse Sioe.-Albert S. Wilkinson, Pawtucket,
R. I. $\underset{\text { R. I I }}{ }$
 71,973.-Horse Shoe.-Albert S. Wilkinson, Pawtucket,


 61,974.-Horse Sioe.-Albert S. Wilkinson, Pawtucket,
 61,075.-Horse Shoe.-Albert S. Wilkinson, Pawtucket,
R. I. I claim a calk formed by parts, do d d, placed alternately on tho outer and in
ner edge of the bar, $\Lambda$, subsiantially as shown and debcribed. 61,976.-Molding Sash Weights. - Samuel Williamson, Cincinnati, Ohio.
First, 1 claim the iron cut

 61,977.-Dies for Making Knobb.-Joseph Wise (assignor to Thomas Kennedy), Branford, Conn.
 Second, In combination with the above, I claim the arrangement of the 61,978.-Mandfacture of Vinegar.-Harry P. Witbeck,
Rochester, N. Y. Antedated August 12, 1866. I clatm the process of prodicing a liquid for vinegar or acetic acid from
he prom uce oftine mixure of grains, as hereln described, by passing the same through a filter, for the purpose of purification, substantially as herein speci-
fed
I aliso claim the rapid process of acidolating the liquid by subjecting it to a 61,979.-Buckle.-Henry S. Woodruff, Jamesville, Wis.

 Third, The fixed and rifid tongue, n , when arranged and used substantially
sand or he purpose 8 他 forth.

61,980.-Combined Cultivator and Plow.-Isaac Young (assignor to himself and Isham H. Hayes), Byhalia, Mass. Claim the attaclument. C, to shovel or other plows, Whe shaped and
operating substantialy as and tor the purpose herelo specifed. 61,981.-Corn Planter.-John N. Arvin and Joseph M.
Whitmore, Valparaiso, Ind.
 the thatt, b, the pawl, m, on the ribratory rod, n. and the'faps, p p, in the
shate, hh, all arianged and operating 2s andfor the purposes lierein de.
scribed. 61,982.-Horse Shoe.-John Austin, Rockford, Ill.
 Third. I claim making ihe calk self-sharpening, by inserting within the
body of the calk of a piece of steel, substantially as dis ribed. 61,983.-Floating Anchor.-George V. Baker, Astoria,


61,084.-Cement For Waliss Flows, Pavements, etc.-
J. S. Baldwin, Elmira, N. Y., W. H. Jones, Rochester, J. S. Baldwin, Elmira, N. Y., W. H. Jones, Rochester
 61,985.-Mode of Treating Peat.-Hosea Ball, New York City
 61,986.-MUSQUITG BAR FOR Windows, etc.-V. Barker, Otisfield, Mass.
First, I claim the corners for a frame made from sheet metal as herein
 61,987.-Hpdraulic Punciing Maceine.-J. B. Barnes Fort Wayne, Ind.
 61,988-GGages For Saw Mills.-Jacob Behel and John Nirstson, Rockford, Ill.
two rotarymotions, one aroung or fence, C , to any, desired angle by means of
axis in B or its itsequiv, and the other around an
Secon

 61,989.-Hoors and Eves.-Andrew Bennett (assignor to

 61,990.-Horse Shoe.-Thomas B. Bishop, Baltimore, Md.


 61,991. - Mucilaginous Compound. - Victor G. Bloede Brooklyn, N. Y.
claim the gum produced by treating stareh witha compound of nitric and
yrochloric acidivired logether, substantially as and ior the purpose die.

 61,992.-Mode of Treating India Rubber.-Stephen Bourne, Headstone Drive, Harrow, England, assignor to o himself and Theodore Bourne, New York City. I clatm deodorzz ne india-rubber or any compound of which it forms a part
by means of charoali, substantially as described.
61,993 .-METAL BuN.-William Boynton, Auburn, N. Y.

 Third, A combination of a case, A, and disk, B, both constructed and operat
ing substantially as herein set forth. 61,994.-Panel For Lamp Shades.- Ceorge M. Breuker
 rarnished surface or a shee or mica or sheet oen papersted aner material on
with two or more layers of oll collor have been deposite $\underset{\text { I claim the soap consisting of the above enumerated }}{\text { 61, }}$
I claim the soap consisting or the above enumerated. ingredents and pre
pared substantialy in the man ner herein descrived and spectile d. 61,996.-Printing Press.-William Bullock, Philadelphia $\underset{\substack{\text { I claim } \\ \text { brating fiy }}}{\mathrm{Pa}}$
 61,997.-Alloy for Mold Boards and other Parts of
Plows.-Oscar F. Burton, Jersey City
 tlally as apecified.
61,998.-Skates.-Charles Bushman, West Chester, Pa. I'claim the curls, cf., formed out of the same plece as the runhner and ar-
ranged with resard to the heel and toe plate, and the runner as nerein de.

 61,999.-Dirt Receptacle.-Chesmon Butterfield, West
Waterville, Me. Waterville, Me.
 62,000.-Truss.-Ephraim Capen, Batavia, Ill.


 62,001.-Button Fastening.--George J. Capewell, West

 62,002.-Tea Рот.-Alexander Carmichel, Westerly, R. I.


 62,003.-DRRLLL-G. F. Case, New York City.
substantially as described.
 specifed
aldo a 1 aim the loose collar or ring upon the drill-rod, substantially as and 62,004.-COI,Trvator.-E. Children, Lancaster, Wis.

 torth. third, The securing of the plows, , to the standards, L, by means of the
staples, M, barss, r, and the teys, t , all arranged substantially as and for the
purpose herein set forth. 62,005.-Grate.-John S. Clark, Philadelphia, Pa.




62,006. - Apparatos for Distributiva Liquid Maviue. J. Warren Clark, Iowa City, Iowa.

 62,007.-Boiler Furnace.-Thomas H. Clark, Indianapolis, Ind.
Irclaim the comb'nation of a boiler furnace, when one or more boilers are

 62,008.-Sleeve Button and Stud.-Barnes Clayton, Philadelphia, Pa. Antedated Feb. 2, 1867
 1, tide combined, and operating together, as and ror the porpose describal. 62,009.-LIFTiNG JACK.-Charles T. Close, Brooklyn, N. Y.
I claim a wagon ack, composed of the Levt, a and B, and lever, when com-
bined together, as and for the purpose ifseribrd. 62,010.-Nursing Couch.-James H. Cogshall, Lexington, Mich.
 62,011.-LEETTER ENVELOPE.-C. Conkling, Ashland, Ohio. First, Ic laim the belt, D, and loops, $B C$, in combination with the en velope
snbstatially
 thepurpose set forthe .iling belt, D , in combination with the envelope, as and 62,012.-Claw Bar for Rail.-Maxwell Cornelius, Cheviot, Ohio.
 Second, In ombination with the above, I claim the single clawed auxiliary
head, F, adapted to be hinged to the bar proper, and tio opera te in the manner
get 62,013.-Lubricator.-Julien L. Courcier, Paris, France. I'claim the tube, e, in combination with the closed reservoir, $a$, and tube, $g$, substantially as herein set forth for the purpose specified.
62,014.-Device for Forming Horse Collars.-Isaac T 62,014.-DEVICE FOR F
Crum, Chicago, Ill.
Crum, Chicago, Ill.
I claim the combination of the form, A, with the flanges, D, and standard, 62,015. - Sole Cutiting Machine. - Timothy A. Curtis, Brookfield, Mass

 62,016. -Toe Calli for Horse Shoes.-George Custer (as signor to himself and Charles Toll), Monroe, Mich.
 62,017.- Вhoot Heel.-George W. Davis, Milford Center, I claim a cast metallic heel, constructed as described, in combination with
the devices for uniting the same to boots and shoes, as herein set forth 62,018.-Machine for Pressing Hats.-Joseph De La Mar assignor to himself and Abraham Emanuel), Brook-
 rubber hat, over which the hat lo be pressed is placed. 62,019.-RAZOR STRAP.-Friederich Eichner, Chicago, Ill.
 62,020.-SAW.-James E. Emerson, Trenton, N. J. I claim themethod of securing teethinserted in or attached to a saw plate,
by tormi.n the dovetail of one or morer rivete, permanenty securred either in
the saw
scribed. cribed. 62,021.-Ice Pitcher-George A. Eno, Philadelphia, $\dot{\text { Pa }}$. ower end as described, for the purpose specifted. 62,022.-Tubular Grate.-B. Garvin and R. J. Pettibone Oshkosk, Wis.
We claim the combination of the tubes, A, with the caps, B, when con-
structed and applied substantially as and for the purpose set forth. 65,023.-Scissors Sharpener.-A. W. Gifford (assignor to himself and Herry D. Ward, Worcester, Mass.
 62,024.-Vaporizing and Burning Gasoline for Heating



 St the case with wire gauze, and acting as an improved safety arang mament
preventing any fiame to communicate to the interior, and cause explosion.
62,025.-EvAPORATOR.-H. C. Gilbert, Cambridge, Vt.
 he purpose set forth
Iclaim the ylelding binchine.-J. S. Gochnauer, Goshen, Ind
 rollers, and made in two parts, which are hinged together by a rour, e, pasg-
int through the vertical shatt, D, substantially as and for the purposes de-
scribed. 62,027.-STAIR Rod.-W.B. Gould, New York Ciiy

62,028.-CAR Coupling.-Ransom W. Green, Bradford, Pa.
Antedated Feb. 10, 1867 .
 62,029.-Carpet Beater and Cleaner.- W. H. Hankin-

 62,030--Horse Power.- Theopilus Harrison (assig

 62,031. - Meatime Etos
Firef, claim the comblnation or the banch prye: $I$ inlet pipe, H, pipe
 pose described
socond, The combination of pipes, H I, with the pipes, G ' and $^{\text {a }}$ ', app plied to
scribed.
 stantially as described.
Fourth, Iclam the rangement of the air pipe, G', opening at the top and
bottom of the stove,and passing through the exit pipe, D', and damper, E,
substantiall as described 62,032.-Printing Press.-John Henry, Jersey City, N. J. First, I claim the arrangementinc ombination with the reciprocating ${ }^{\text {dis }}$
tributing table, C , of dise distribu ors, D , for action in concert with
dis
 62,033.-Burglar and Fire Alarm.-Josiah Holmes and Charles W. Nickerson, Pittsburg, Pa.

## 

 62.034.-Horse Rake.-Edgar Huson, Ithaca, N. Y First, I claim the spring B, anteriorto the rake head for the purpose of re upward motion of the teeth, so that the hay or other article erkece shall 10 otbe
bound by the for ward motion of the horse, between the teeth, and the stripers
 described
Third $I$ claim the rake head $O, P$, teeth $\mathbf{I}$, and staples $J$,
arranged substantially as and for the purposes set forth.
62,035.-Harvester Rake.-Robert V. Jones and Henry Fessler (assignors to themselves and James Short), Canton, Ohio.
claim, First, The circularmetallic case A, provided with the wheels



 62,036.-Door Lock.-Francis Just, Buffalo, N. Y
A, when constructed and operated as shown. Second, I claim the catche ; $F$ F, in combination with the key bit, for the
purpose specified. 62,037.-Manufacture of Hats.-Henry Kellogg, New claim a hat formed and constructed by combining animal fibre with vege 62,038.-W WTER Cranes For Supporting Locomotives.I claim. First, the water shaftc, within the pe estal a
and operated substantially as describeit.
Second pedesta a, constructed, arranged Second The arrangement of means or devices for
valve and the outlet valve, as herein shown and uescribent. 62,039.-OILER.-John Kipp and William Allmendinger,
Melrose, N. Y. Melrose, N . Y
 Senerator. combination with the elements recited in the forgoing clatm, an
the opend, IIn ,
elastic bulb, operating substantialy as and for the purpose as herein describea. In combination with the elements recited, in woth of the foregoing,
Cliaims a asiitable device for opening and closing the air hole in the air ppe $B$,
substantial Forth, The eurve re orvabbe nozzle and the adijustable discharging pipe
in combination with the other parts of an oiler, all being construete substan-62,040.-Сотton Bale Tie.-J. Knight (assignor to T. C.

Claim formings a bale tie loop A, with turned edges, a a, and one diagonal and one square end, arrangedid and applied for securing the ends of a hoop in
the manner hereln described. 62,041.-RaIlway Switch.-Ezra B. Lake, Bridgeport,

 Thiri. The combination of the above mentioned operating levers with the
movaie bars X, situated beneath the cars.
Fourth, The combination of the slottei bar D, eccentric P, its arm t , and
62,042.-Fish Ноок.-Benjamin Lee, Jr., Williamsburgh, N Y, assignor to himself and Alfied Woodham, New York

Iclaim a spring
B, or its equivalent in combination with a fish hook, sub 62,043.-BEEHIVES.-C. P. Lloyd, Portsmouth, Ohio
 62,044.-Bronzing Machine.-John Knox Lowe, Cleveland First, clo. clam the fur or otherwise lined case described, constructed and


 62,045.-MUD Boat.-Almon D. Monley, Washington, Mich.

 62,046.-Churn. - Geo. W. Manson (assignor to Nicholas
W. Manson), Buxton, Mass. W2,046. Manson), Buxto. Wi, Mass.
W.

 62,047.-Car Seat for Railway Cars.-Frank Martin,

 62,048- Machine for Sharpening Calks of Horseshoes. I J. J. B. McClanathan, Horicon Wis.
 tions to act as rests or supports for the point of the calk as arith the corruga-62,049.-TENT Bedstead.-A. D. McCoy, New Orleans, La.
 62,050.-Sewing Machine.-James S. McCurdy New York


62,051.-BEEHIVE-Charles McGrew, Bloomington, Ill.
 62,052.-Sausage Stuffer. - Purches Miles (assignor to

 62,053.-Fire Place.-Warren P. Miller, San Francisco Cal
Cal.

 62,054.-Device for Lubricating the Axle of Vehicles, -Jacob F. Morris (assignur to himself and Calvin Lock-
 62,055.- Process of Preparing India-Rubber. - William Mullee, Franklin, Pa.

 rubber While in the bat, as at set forth. F . he combination of the feed roller, B , and the roller, C , armed
with teeth
 pisivose, The barth. with the fireplace, A, and the heat flue or passage, a, ar-
ranged as herein shown and described. 62,056.-Machine for Dressing Stone.-William M. MurFey, Tiffin, Ohio
Frat, Icl im supporting
 Secornd, The combination of the adjustlng screw, a. hook, A4, stay, a' and
pertorated cross bar, A3, with the bed frame, A , substantially in the manner
desertibed Third, The consiruction ofthc device, $m \mathrm{~m} \mathrm{~m}^{\prime} \mathrm{n}$, for the purpose and in the
manner substantially as
asescribed.



 62,057. - Attaching Bits
Richmondville, N. Y. Iclaim a bit having a proove with the spring, C, constructed as described
and operating in the manner substantially as specified. 62,058.-Construction of Papier Mache Matrices for
Stereotype Plates.-William Nelson, Boston Mass. I clam a papier mache matrix for casting sheeevtye plates, conlupusd of
four paste,
as herein 65,059.-BuckLe--Hermann Neumann, New York City. Iclaim the combination of the tongue, B, free at one or both ends with side
bars $\mathbf{F}$, of the buckle frame, the whole constructed and operating substan.
tialy 62,060.-Cultivator.-W. J. Oxer, Wllliamsport, Ind. I claim an improvediron cnltivator frame formed by the combination of
the bar, AC and Fivitheach other, when saidibar are constructed and ar-
ranged substantially as heretn shown and described. 62,061.-Door and Gate Latch.-J. A. Park, Lansing, Mich.
 62,062.-Pipe Tongs and Cutter.-John Peace, Camden, I craim a pair of pipe tongs having an adjustabie screw, E, socket, D, with
a serico
describef. grip ing eages at each end, substantialy as and for the parpose 62,063.-Machine for Bending Skelp.-John Peace, Cam-
den, N. J.
 62,064-Courrier's "Slicker."-Daniel Peters and John First, We claim morming the handle, A, in two parts, $a^{\prime}$, $a 2$, substantially as
herenod escribed and for the purpose set forth
Second, Fo scribed and for the purpose the set fr thi a slot, b4, substantially as herein de-
Thira, The

 62,065.-OIL CAN-Abraham H. Phillippi, Reading, Pa. I claim the box, L , , at at isy X, rod, R , arm, A, and rod, U, When the 61,066.-Grain Drill.-Hiram Pulse, St. Paul, Ind

 62,067.-Corn Planter.-John M. Reeds, Millford Town-
ship, Mo. ship, Mo.
I claim the ste
Iearimm the ste alspringmarked, A on the drawing and roller and donble
specifiled. abo descibed in combination with the hand corn planter so 62,068.-Axle box for Vehicl es-Joh nReilly, Racine,


 1 also claim the arrangement of the oil reservoirs, the axle and the lining
rings, as and for the purpose set forth. 62,069.-Corto -base Tre.- J. Reinecker, New Orleans, La.,
assignor to Gustavus Ricker, Covington assignor to Gustavus Ricker, Covington, Ky

62,070.-Process of Manufacturing Alcoholic Spirits.John W. Richardson (assignor to himself, Daniel L. Iclaim the eprocess of manufacturng alcohol) from the juice or skimming of
sorgho or other (8o called) northern cane, substantially as described. 62,071.-Gage for Circular Sawing Machines.-John D.
Riley, Cincinnati, Ohio. Antedated Feb. 2. 1867.


 for the purpose set forth.
62,072. -Smith's Forge.-William H. Risher, Austin, Texas


 the purpose described.
62,073. - BELT LAP Cutter.-Charles E. Robinson, Concord


 62,074. - Enamel for Covering Hoop-skirt Springs.-W S. Ryerson, Philadelphia, Pa .
 62,075.-Ice Planer or Cutter.-James Serrill, Philadelphia, Pa.



 62,077. - Breech-loading Fire-arm. - Christian Sharps,




62,078.- Window Fastener- J. D. Simmons. Quincy, Ill.

 62,079.-Wheat Drill.-Jacob Slauder (assignor to himsel and Levi C. Smith), Osborn, Ohio.
 62,080.-S Seding Machine.-F. F. Smith and A. Thurston, Four Corners, Ohio.

 part, ar, or the aroreseald hopper, substantially as herein set forth and for the
purpose specifod
62,081.-SHAFT Coupling.-Henry K. Smith (assignor to himself and Charles Osgood), Norwich, Conn.

62,082.-Sink.-Sidney Smith, Greenfield, Ohio.
 sscond The arrangement in a metanilic Eitchen en sink of the movable baskets,
substantially in the emanner described. 62,083.-Steam Gage.-William Stamp, Susquehanna Depot,



 62,08S.- Basker Machine.-Geo. Storer, New Britain, Conn.

 62,086.-Machinertfor Making Oval Picture Frames.-

John E. Sweet (assirinnor to John S. Bon and E. R. Sanford, , Syracuse, N. Y.


 62,087.-PICKER CUsHion For Looms.-Wm. J. Thorn (as-
signor to himself and F. A. Betts). Westbrook, Me signor to bimself and F. A. Betts), Westbrook, Me.
claim a tanned leather picker cushion for weaving looms manuact and prepared in the manner herein set forth.
62,088 . - SMUT MACHINE.
Wm. E. Tickler, Ezra T. Marshall

 62,089- - BRICK BURNER-Wm. H. Towers, Boston, Mass.

 62,090.-Machine for Pulling Flax.-Samuel W. Tyler Cassigncr to Thos. M. Cleeman, Georne P. Prescott, Wry.
Theremmand, E. Jones and Henry Holmes, Troy, M. Y.

















 62,091.-Nutritive Medicine.-Samuel C. Upham, Phila delphia, Pa.

62,092.-Lubricating Oil.-P. H. Vander Weyde, Philadel
 62,093. - Preventing Incrustation in Steam Boilers.P. H. Vander Weyde Philadelphia, Pa.


62,094.-Making and Using Nitrous Oxide Gas.-P. H
Vander Weyde, Philadelpha, Pa. Antedated Jan. 30 ,
$\underset{\substack{1867 \\ \text { I claim, } \\ \hline}}{ }$
secona, Tue Aliphyratus for compressing and liquefying it, as above de

 Fitith, its use as a bleaching, oxydizing, deodorizing, and disinfecting ajent. The nse of the liquefeed gas as a store of motive power, for driving
sailroad cars and other contrivances. 62,095.-Gas Generator-P. H. Vander Weyde, Philadel phia, Pa. Antedated Jan. $30,1867$.


 62,096.--TUbuLar STills For Continvous Distillation.P. H. Vander Weyde, Philadelphia, Pa. Antedated Jan




 62,097.--Manuracture of White Lead.-P. H. Vande 1 claim, Ftitit. To ofiect with the same apparatus and one single operation



62,098.-Elevator- - R. ML Van Sickler, New York City.

 62,099.-SodA-WATER STAND.-A. Van Winkle, Newark,
 degectioned. Making the cans of the upper tier narrower than those of the next
succeening one below, substantillif as and for the purpose set forth. 62,100.-Cookina Stove.-George W. Walker, Boston, Mass.
 62,101- Brewers' Masir Tun.-James Walker, Cincinnati $\underset{ }{\text { First, I Claid }}$
 as set forth. -Latch for ates.-W. T. Wells, Decatur, Ill.
 stantially in the manner desc
62,103 . - Suspended
62,104. - Elastic Marking Roller. - L. B. Witherell,


62,106.-Covering Harness Trimmings with Vulcanized RuBber-Andrew Abright, Dryden, N. Y.


## RE-ISSUES.

 Reissued March 27, 1866


2,475.-Роскet Воок.-J. Frederick Dubber, Brooklyn, N. Y Patented Jan. 10 . 1866 .
claim a pocket book or other
 2,476.-Heating STovE.-Samuel B. Sexton, Baltimore, Md.






gas or products of combustion, circulationg anartenent above and around the
aper portion of the magazine, substantialy as and for the purposes de-
corbed









## 477.-Pen and Pencil Case.-Wm. S. Hicks, New York

 City Patented Sept. 12, 1865 .
 2,478.- Boat Detachina Tackle.-Thomas Huntington, Nerst, I Rochellime, N. Y. Patented June 5, 1866.


2,479.-Cupola Furnace.-John and Thomas Insull, New


 Fourth, Two or more rows of tweers placed in a zigzag position, substan
 ne purpose describee
2,480.-Many-barreled Fire-arms.- Christian Sharps Philadelphia Reissued June 18, 1861
 2,481. - Breech-loadina Fire-arms. - Christian Sharps, Philadelphia, Pa. Patented Jan. 25, 1859. Division B. Reissued June 18, 1861

 2,482.-Ear, Cheer, and Chin Muffs.-Wm P. Ware, Cin Cinnati, Ohio. Patented July 6, 1858.


 2,483.-Harvester.- Robert T. Campbell, Washington. D.
C., assignee of Tnos. J. Stealey. Patented Dec. if, 1857 C., assignee of Tnos. J.
Reissued Nov. 6, 1866.













## DESIGNS

2,572.-Ornament for Hats and Dresses.-Mary A. Lawrence, New York City.
2,573.-Tobacco Pipe.-Louis Saarback, Philadelphia, Pa. 2,574.-Cook's Stove.-Garretson Smith and Henry Brown assignor to Leibrandt \& McDowell), Philadelphia, Pa. 2,575.-Foor Oilcloth.-Hugh Christie, Morrisania, N. Y 2,576.-Edges of Books.-Johu H. Crowell, Providence, R. I. 2,577, 2,578.- Rinters' Type.-Julius Herriet (assignor to David Wolf Bruce), New York City. Two Patents.
,579, 2,580, 2,581.-Floor Oilclotr--Charles T. Meyer,
Bergen N. J., assirnor to Edward C. Sampson, New Bergen, N. J., assignor to Edward C. Sampson, New
York City. Three Patents.
2,582.-Coffee Strainer.-Anthony Shafer and Alexander Barckley, Philadelphia, Pa.

## EXTENSION NOTICES.

William H. Johnson, of Springfield, Mass,having pettioned for the exten sion of a patent granted to him the 7th day of March, 1854, and patented in mem the expiration of said patent, which takes place on the 1st day of April, 1867, it is ordered that the said petition be heard at the Pat Lauren Warday the 15 th day of April next.
augatuct aunistrator or the estate or Richard Ward, deceased, o the said Lauren Ward assaid administrator ont he 28th day of June, 1853, fo in improvement in machines for turning irregular forms, for seven years from is expiration of said patent, which takes place on the 28th day of June, 1867 he 10th day of the said petition be heard at the Patent Ofllce on Monday he 10th day of June next

