extent in England. Many also of those of this country not now connected with mechanical business, whose means enable them to visit Paris, aro intelligent and observant men perhaps formerly workmen, who will not fail to note whateve may be interosting and useful to our mechanics, and give th

## Fobacco Morality.

The characteristics of an individual are vividly portrayed in little things. An exchange in relating the traits of inner life in the workshop, alludes to the moral caliber of the men by the way they get tobacco of their shop mates, by begging, or borrowing as they are most apt to term it. One man will
offer his fellow workman his tobacco box from which to help offer his fellow workman his tobacco box from which to help
himself : another will take a bit from his box and hand it be himself : another will take a bit from his box and hand it be has any tobacco about him or perhaps that he ever uses it One man, a Jesuit in nature if not in creed, used to keep two tobacco boxes, one he called "The World," the other "Providence." When asked for a 1 ipe of tobacco, he would answer one of the ser serene conscience. If taxed with falshood, or asked low ho had got his iobacco, "I put my trust in 'Providence,'" lic would answer, and the prevarication was as good to him os truth.

## 

IIssued by the United States Patent Office,

Yatents arm erante for seventeen frars, the following
being abchedule of fees:-
On Alling each Caveat.





65,987,--Apraratis Fon Forming Bumpr Carriers for















 $65,99+$. $W$ ATER METER. -E. Blakeslee, Ply Mouth, Conn.





 65,996.-Mortisivg Machive.-S. C. Brown, Richmond, Ind.














66,002.-Corn Planter.-H. W. Camp and A. W. Fox




 Itt. We Na, Naim. the twenty four-hour eccape made by the sermentary whee


































 Torther-FARM GATES- J. W. Epperson, Woodhull, Ill.





 66:011.- Apraratus for Pomisc: Cylinders.-L. B. Flanders








 Water, as set frorth.
$6,014-$ Chucks For Iron Planing.-M. U. Gardner, Ro-





 ,017.-SPINDIES For SpinNiNG.-A. H. Gilman, Hopedale


















 manner set forth.
$66,02 \Omega .-\Lambda$ BDOMinAL SUPPorteris.-William Henderson and
 ${ }^{\text {hirein shown and set forth. }} 6$










 stantially as herein describeed and set forth in .





 $65,030-$ ADjustable Tires for Wheels-D. J. Kirk-




 66,032. - Nail Extractob.-A. Marden and A. H. Burgess,



 binting the teets in the maner and for the parpose



 naving the supports arraned as set orth. M. Olds. New York City,
6, , 366 .



 66 olseo. Gal.



 66,040-BURGLAR ALARM,-Charles E. Pierce, N. Y. City.

 scribi in combination with the alarm movements the case or cover with
opening as as described.

 66 , 18 , iven.- Metiod or Mafing Illuminating Gab.-Alonzo
















 66,0 forth 0 - Cut-off Valve.-I. M. Scott and W. R. Eckart,



 66,048 . -Tor Prstrot.-Benjamin Sherwood and Danicl Fitz-










 65,052- - UNIVEKSAL JoINT.-R.T.T. Smith, Nashua, N. II.




 6 and for the purpose spectied. MACHiNE. -I. W. Sylvester, New








 an theld, substant111y as and for the purposes sel forth. New York.
66,057 . - BED Borront $A$ sa M. Tombl Lyons, New





















4th, The combination ort the roiler with the fork.
sht The bent lever. T.

 pose ret forth.
66,666 .-GAs Carburetor.-J. A. Bassett. Salem, Mass.










 stantityly as poceife of Carbureting Gases For IIeating and

 (iminating an heating purposesinthe manner sunstantinly as set forth.










 I clame the earampered fatening, A I, arranzed to operate substantially as 6it,07. HAY SPREADERS.-George E. Burt, Harvard, Mass
























 66,080.- Hacuum pan SUaAr-Boiling Apparatus-Charles














 | smeftrie |
| :---: |
| sith |
| ofthin |
| ofenn |



 66,0S5.-Rotimy Steam Engine.-Willimn II. Holland,

























66.092- - Rotarat Steak Engine- - C. Kaiser. New York City








 5 thorthe The valve. R. constructed for operation and adjustmer.t, essentially a 60,094 CUrTAIN Fixture.-Chapman Lce and Joseph
























 EEarinini Morester Hass


































 66,107.-Bolt Cutter.-J. Strayer and T. Hazelhurst, South

 substantially in the manner and for he purposes set torth.
66,108 .-GATE.-Richard Tattershall and John A. Burchard, Beloit, Wis.
Heclaim, 1 st , broadly, the oscillating circular plane, E, for the purpose
 deenited. PLow - James Wallace, Sheridan. Pa







 66,112- - Guide for Carding Machines.-F. W. and E. t.










 binin


66,118.-Blacksmith Strikers.-George Bell (assignor to
 $66,119 .-$ Extracting Grease and Oils from Animal and


 | bined |
| :---: |
| des, |
| 20 |
| 20 |

 arranged asand or the purp)ses specited
$66,120 .-T I N N E R$ R
RULE $-T h o m a s ~ B i g e l o w, ~ E l k h a r t, ~ I n d . ~$





 set iorth. - Churn.- Frank Blecka, Elgin, Ill.
 Mendon, Mich. Henry Bourn
















 and described and tor the purpose eet forth. ${ }^{\text {and }}$.126. KNIFE CLEANER. W. J. . Burge, Atchison, Kansas.
 purpose set forth. 66,12, Frederick Catliin, Watertown, Conn.
 seribed for the purpose specified.
66,182 . Cor ToN CUTIVATOR.—G. W. Chambers and Isham
 not
 the purpose et forthitionder of Blanks for Carriage Thill



 the parpose eet.orth.
$66,132$. METHOD OF Transferring Cars from One Trace



 So tourind the obiject glass, Fig. 1 , with figured paper or fabric, as and














 , Ambrose G. Fell, Brooklyn N White Lead-Thomas. M. and


66,139.-Manufacture of White Lead.-T. M. Fell, and
 pose sabstantially as nererin described.

 superior chloride or ant oxy-chloride of ilead.
$66,14 .-$ MACHINE FOR C UTTING CORKS.-L. W. Felt, Keene






 66,143.-Band Cutter for Threshing Machine.-W. P. I claiaim, thedonubinteanjuistanaiity caused by the means substantially hereip


 gitribed and for the pur Dose ese forth.
$66,145 .-$ POTATO DIGGER.-J. E. Giles and Charles S. Mc








 66,147-BILLIARD CuE.-C. H. Gould, New York City.
 $66,148 .-$ TABLE. - H. C. Hardy, Muncie, Ind.



 o6,150-BAG HINGE.-George Havell, Newark, N. J.







 66, Jos.-HA REESTERS -Caleb Lee, (assignor to self and

 66,155.-GANG PLow.-John T. Leg. Lewis County, Mo.


 66,156.- Valves of Steam Evgines.-K. H. Loomis, Cincin-






 the cupand parts attached to the cup are confined, substantiaily as shown
a6, 158 ibibconfection.-E. C. Maltby and Edward Smith, Werchar ar, com and usetule cone ection, composed of the meat of coconnut
prepared in the mander substantially as herein set for th. 66, 159.-DITerins: Machine.-Chelton Matheny, Greens











66,162.-Washing Machine.-M. McEnerny, Birmingham,










 6 hereln shown and described and for the purpose set forth and $W$. 1 . Startzman. Bio Lick, Va., assignors to them selves and Howard Munnik-
haysen, Baltimore, Md., $\begin{aligned} & \text { and } \\ & \text { said } \\ & \text { Startzman assignor to Neal \& Munnlk }\end{aligned}$. huysen.
We cam lejer, A, cord, E , and welght, f , connected to the shaft,
D, when uned in combination with the beam, B , and belt, C , all the paris being arranged as specified.
$66,16 h$.
NEEDLE
CASE.-John F. Newhall, Waltham, Mass.
 hereitiset forth.

 pose specifed.
 ranged substantially as and tor the purpose set torth.
$66,169 .-$ ATTACHMENT FOR SPADING FORKS A
 and for he purvuse speci fied. 170 FOR Railways.-Hudleson Patter
 elev ting railroad tracks in the manner as specified.
$66,171 .-G A T E .-J . B . ~ P o w e l l ~ a n d ~ S . ~ H . ~ E v e r e t t, ~ M a c e d o n ~$

 and described and for the purpose set forth. BUTT HINGES.-Adrian
66,172.-MACHINE FOR MAKING

 66,173.-HANDLE ATTACHMEN'T FOR BLACKING Boxes.Iclaimathe handli, B, Bi, Now eoed art C, to the bottom, a, or top, b, when con
structed, arranged, ind operating asherein set forth. structed, arranged, and operating asherein set torth.
$66,174 .-H A N D$
SAW. - Edward H. Roe. Jersey City, N. J. tally in the manner as and tor the purpose set forth
(if. $75 .-$ Saseph Schellmann

 forth. 66,176 .-Machine for Unhairing Hides.-Judson Shultz



 than the knife cylinder, B, as and for the purpose herein set forth.
66,177 . WRENCH.- John $V$. Secor (assignor to himsel

 66,178.--CnURN.-Henry Sidle, Minneapolis, Minn.
 and for the purposes specified.- Henry T. Smith, Brooklyn, N. Y.
 6,180.-Sheep. feeding Rack.-Joel J. Smith, Barnesville




 Iclaim the construction of a wire fence provided with rotary spolsc e
ving radialspurs, d dand supported by castiron posts A, arranged as an 66,183. - Frurre AND Poultry Box.-Daniel B. Spinning,
 and described.
had A folling box, when made of the pieces A B B C C C D and E, all being
hingei, connected, and fastened substantially in the manner herein shown 66,184.-MAChine For TRIMMING HEELS OF Boots AND SHors.-Caleb S. Stearns (assignor to himself and W. E. C. Worcester
Marloro, Mass.
rclimimg table I claim the revolving table F, with its swinging frames $T$, operated by
mechan sh sustantialy as degeribed for travering tre heels toand from
the knife, and for holding them il position while being trimmed, substan

 66,185.--Marking Attachment for Sewing Machines,-
 herein set furth or the purpose specified. Swinnerton, Marion, Ohio.
 66,187.-EXTENSION SCAFFOLD.-C. M. Tanner, Mentor, Ohio.
18t, Icham the windlas A, gny rope A' and AA, in combination with the
platiorm

66,18a.-_SLEED AND GRain SIEvE.-H.S S. Townsend, Green-
I claim, 1 st, Extending the screen, D, of a grain or seed separator or thres

 66,189.- Water W HEEL.- Ebenezer Tuttle, Canaan, Maine. I'claim the regulator, . and disk. D, arranged in relation to to the gate, G,
and wheel, A, substantially and and for the parpose set forth and desibed.
66,190 .-FEED B AG.-John Vandercar (assignor to T. S. Sper-
 tively th the internal he E, End to the perforated exterior casing, B, sub-
stantially and for the purpose herein set forth.
66,191 . -SIGNAL LAMP.-Joseph Wall, New York City.
 ights, he cases being placed before openings in the box, and all arranged
oubstantall as and for the purpose fpecifle.
ond It rurt ter claim the placing of the borx A, on a revolving stand, constructed
and arranged enbstantially as and forthe purposeset forth.
66.192.-MACHINE FOR FEEDNG NAIL PLATES.-Wallick







 jection. $6,193 .-$ Flexible Coupling.-N. W. Wheeler, Brooklyn, N. Y

 surface conden eser.
$66,195 .-$ WASHing Machine.-H. W. White, Olney, Ill.
Iclaim. 1st, The roller washing machine. BCD E, provided with. attach
ing devices to secure it within a common wash tul, substar.tially as de
scribed. scribed.
2d, In connection with the above $I$ further claim thepressure de vice, $\mathrm{F} G$
HJ , in combination with the rolls, D , and frame, B B, as and for the pur pose specified.
$66,196 .-P_{\text {lanting }}$ Hoe.-Augustus Williams, Sebec, Me I clain aplanting hoe compo sed of the parts herein shown and described
when combined and arrangedto operate substantially as and for the purposes set forth.-Support for Elevated Railiways.-F. A. Wil


 for the purpose set forth. Antedated June 211, 1867. C, in combination with the board, A, and rub ber. 200 , substankiv PLOw.-Israel Wing, Earlville, Iowa.

 herein, shown and described and for the purpose set forth.
66,201 .- PAVEMENT.-C. W. Stafford, Saybrook, Conn. An-



 2d, I claim forming the ginning cylluder of a series or rings, betwee
wbich, 1 ings or segment of rings containing teeth are secnred, substantiall as speciined.
sol In comation with a cylinder carrying circular ranges of needle
pointed teeth I claim the auards, R. formed with openings to their uppe th,
th claim atheching the edelicivering or dofing roller upon arms extendin
om the axis of the pertorated condensine roler or chinder so that sai

 2657.-Spirit Meter.-_Joishua G. Allen, Philadelphia, Pa Patented April 1, , 1867.
1rt,
arranged taim ar areceiver with a series of sample tubes or chambers

 cids.
4th. I claim the use of a a graduated tube with a hydrometer placed therein
tithe purpose of indicating the hig ont of the liquil, its quality or grade, and 2,658.-MoP W RINGER.-W. Gillett and W. S. Gillett, Stowe
 orth , a mop wringercomposed oftwo plates we elaim making one of the $m$
station ar y and connectung the other with it by a hinge joint or its equivalen $t$,



 riph the mop. map moninger such as described we claim providing one of the
pates with a hanale to move it to and from the stationary plaie, as and for
he purposes set forth. 2,659-MINC. MrCorth. KnIFE.-Helen M. Remington, Springfield,
 shace, the whote constructed ond arranged substantially as described and for
the purpose herein set forth.





 atty as described.
4th, The oombination in a harvesting machine which has two driving and
suportng wheels and a cutting apparatus whinh has reciprocating cutters,
of a single drag bar vibrating vertically upon a joint atis tro

 ation, substantially as set forth.
$2,61 .-H A R V E S T E R-W$. N. Whitely, Jerome Fassler. and
$0 . \mathrm{S}$. Kelly, sornn field. Ohio, assignees by mesne assignments of John



 hereto, sobstantian the he derl of of the drag bar by the caster wheel connected
5th, The

 mar be maderigid or llexible, by which the machine ma bbe drawn forward,
 2,662 .-Process of Preparing Hides and other Animai


 or the eftectsbeforedescribed.
2,663 .- STEAM DIGESTER FOR Treativg Bones, FISH, AND
OTERR SOBSTANCES.-Wm. Perry, North Bridgewater, Mass. Patented




 2,684.-VIsITING CARDD--Samuel W. Francis, Newport, R. I
2,685.-Folding Chair.-B. J. Harrison and J. Condie, New 2,686.-PLATES OF A Stove.-David Hathaway (assignor to
 Philadelphia, Pa., assignors to Marshbank and Martin), Lancaster, Pa $\underset{\text { signors to Abbott and Noble), Philadelphia, Pa. Antedated May } 28 \text {, } 1867}{\text { 2,689.-PLATES OF }}$


 top has been unscrewed, the whole heing constructed, arranged and operat
ins in the mannererein hown and describd.
NUT MACHINE.-James Rees and Rob Crichton Exrs. H UT MACHINE.-James Rees and Rob Crichton Exrs. H
Carter, Pittsburgn, Pa. Letters Patent No, 10, 249 . Dated Nov. $2 \notin \mathrm{~d}, 1853$
 sel irregurar thickness, and the machine is protected against injurious strans
PAPER FILE.-H. L. Smith Gambier Ohio, formerly of Cleve
land, assign ors to H.
 marsins as a newarticle of manuria' ure.






Inventions Patented in England by A morican
[Condensed from the "Journal of the Commissioners of Patents."]

## PROVISIONAL PROTECTION FOR SIX GONTHE.







 Nobraham Litctlewood, Francis W. Bloodgood, and Henry D. Ostermoor
No
 $1,49.16,1867$.
1,18 . 18 LEVEL. -Charles Wells, Bridgeport, Conn. April 27,1867 .
 1,375.-Copfrer Pot.-Howard Tilden, Boston, Mass. May 9, 1867.










