RECENTLY PATENTED INVENTIONS.
Electrical Devices.
ULTRA-VI@LET-RAY RLECTRODE.-C. F.
W. Horn, New York, N. Y. In this patent the
invention relates to electrodes for the produc-
tion of ultra-vi申let rays; and the principal
object of the improvement is the provision of
an electrode by means of which these rays
may be produced in large quantities and which
may be conveniently employed in the appli-
cation of the rays to the cure of disease.
Of Interest to Farmers.
STOCK-Waterer.-F. S. Seymod, Man-
chester, Iowa. The present invention relates to certain improvements in apparatus for co
taining an automatically-regulated supply taining an automatically-regulated supply
drinking water for live stock, particularly drinking water for live stock, particularly on
farms, but alse in towns, villages, and in such the stock. The water is kept clean and free from the effects of temperature, thus keeping the liquid cool in summer and preventing win-
ter freezing. CULINIVATOR-M. Jlennings and J. H.
Jenning, Elizabeth City, N. C. This apparatus is especially an improvement in straddle-
row cultivators, and one object of the invenrow cultivators, and one object of the inven-
tion, among ethers, is to provide a construction of beam and of devices for supporting the
same so the different sections of the beams can be readily adjusted in or
plows in any desired relation.
 and l: Hucains, Hoopeston, Ill. An olject of
the invention is to provide an automatic the invention is ur provide an automatic will hold with absolute security, preventing
accidental uncoupling of the engine from its
load when on the road, and which may be : quickly and easily uncoupled, the uncoupling
of the coupler beins effective to set it in of the coupler being effective to set it in
position for automatic action when the coup-
ling bar is introduced therein. motorempivin cilitivater.--E. Immimise, Naples, Italy. In this patent the
invention relates to an apparatus for cultivat ing land, said apparatus comprising a cultivat and a motor connected by suitable gearing with the tool or tools and with the traction-
wheels, so that the tools may be operated and the vehicle propelled over the ground tofollow
the operation of the tools.
 purpose of this invention is to provide a box
or casing in which is located a hollow shaft calrying knives tapering in direction of the
casing exit, which knives have their cutting. he shaft, and, further, to provide a drivear shaft, being turned thereon in an opposite
direction, and to previde a oppesite the delivery ends of the knives te pre vent a toe rapid feed of the cut material t
the fans and off-take mechanism. It is a improvement on
these inventors.
Vinb-CUTTER.-S. V. Jwrionds, Waycress, Ga. Mr. Jeffords's invention relates to that
type or class of cutters empleying suitablyby horse or manual power and having blades Wherely the vine is cut at opposite sides of
the row, the runners being provided with
handles adapting them to be guided as they are drawn along.

| Nbir, Mobile, Ala. provement in fire-extinguishers, having for an olject to provide a novel construction of samp. flooding mechanism, so that in case a fire braks out a valve or valves under the control of persons from the stage can be opened and the entire stage quickly flooded with water. <br> fountain atpachment hor lems.J. w. Langdon, Walla Walla, Wash. One object among ethers in this case, is to provide a novel construction which can be fitted and held on the pen and which can be filled and emptied through its front end and which at its said front end will be free from contact with the pen-point se that the flexibility of the latter will in ne wise be impaired. <br> metion of rroducing artificial FULL.-G. K. hombister, Jk., New York, N. Y. The object of this invention is to provide a method of producing artiffial fuel, the fuel having a high rate of heat units and being in solid or briquet form, practically swokeless and odorless before and while burning, and intended for use in household-furnaces, kitchen and othor stoves, boiler furnaces, and the like, and capable of producing a high heat. <br> Trapldoor opener.-C. II. Moos, Stillwater, Minn. The object in this instance is to provide features of construction that are simple, practical, and inexpensive, take up little room, onot obstruct the door-opening, afford means for counterbalancing doors of different weight provided with the imprevement, and alse permit graduation of the lifting pewer, se that the door will remain closed until started to open by slight manual effort. <br>  |
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rost-lifiter.-II. ©. Rotvold, Hesper, owa. In operation to pull posts, large or
small, the lifter may be placed with the stand about a foot from the base of the post. The
handle end of the lever may now be lifted up and the barb pressed against the post as
low down as possible and the chain be passed around the post from the eye and secured upon
the returned end at the oppsite side of the prevent any slipping of barb or spur on the post, and the handle end will be brought rluid-ririssure wigulator.-J. W. Scorr, Colorade Springi, Coi. The aim of the


 danger of the diaphragm bending unduly. The
invention relates to fluid-pressure regulat suention relates to fluid-pressure regulators
such as shown and described in the former Letter's Patent granted to Mr. Scott.
ININFORCLD TIMRRA-COTTA PAMTI-TON.- l'. II. Revier, New York, N. Y. Means
are provided in this case for increasing the are provided in this case for increasing the
strength and efficiency of the mortar or cement joint between superposed tiles, and to attain
this end a metallic member of open-work conand imbedded in the plastic bond in a way for the material while plastic to pass through
the metallic member and to adhere to the
sirfaces of adjacent tiles, the mortar and the surfaces of adjacent tiles, the mortar and the
open-work member producing a thin, strong, Frince.-J. Punce, Gratis, Ohic
rance the invention his reference. In this provements in metal picket fences, an object being the provision of a metal fence, preferably made of steel, that will be of light strice
ture, yet very strong and serviceable, and that DUST-ARRESTER -W W. I. Newoll cost. Drgide, Accrington, Lancashire, and G. Wat son, Leeds, York County, England.
case the invention relates to implovements in aust-arresters, an olject being to provide an
automatic and effectual means of arresting or automatic and effectual means of arresting or
preventing the escape of dust or the like from
refuse-lurners se arranged that the accumulated matter may se arranged that the accumulated matter may
be removed without interfering with the fur-
nace-draft. vending silow-case--I. Klayman, Baltimere, Md. Mr. Klayman's invention is in
the nature of a vending show-case for retail tradesmen for containing all sorts of small
articles held for sale, such as candies, speel articles held for sale, such as candes, spool
cotton and silk, screws, nails, bolts, and various other small articles which are kept in assorted MUSICA Mur
mtisical insmedment. Sabait w. particularly to improvements in upright pianos
or similar upright musical instruments an ar similar upright musical instruments, an
object being to employ in connection with

on the knife in a rapid manner, and the fline on the knife in a rapid manner, an the fine
surface of the tool is presentable to act only
on the edge portion in a way to produce a keen on the edge pe
cutting eage.
C@MPOUND T•OL.-A. L. Gheren, Creede,
Col. Mr. Gheen's 0 bect in view is the provision of a combined screw-driver and nutwrench wherein the parts may be folded com-
pactly, s- as to be carried conveniently in the pocket, provision being made for locking the - that the tool can be used to good advan-
hand-Teol.-W. w. Barton, Salt Lake HAND-T00L.-W. W. Barton, Salt Lake
City, Utah. Briefly stated, the device comprises tw
at one end and a chain or other means for nds. Connected with the chain is a spike, which is employed in connection with the jaws for prying off covers or for various ther
purposes, as will suggest themselves during buckle.-II. W. Luimann, Hays, Kas. The intention the buckle adapted to clasp or clamp an at-
tached strap, and thereby dispense with the usual tongue, whereby securing of the strap similar buckles in forming a bend over a transverse rib and by double-clamping action ef-
fected on opposite sides of the bend through neans of cams and an under transverse rib. WIRE-TIGHTELNER.-T. J. Corrigan, Ar kansas City, Kas. This invention relates to
imprevements in devices for tightening or taking up the slack in wires, particularly fenceof simple construction by means of which the wire may be quickly and neatly tightened with the fastening staples from the posts.

## Heating and Lighting.

ACETYLENE-GAS GRNERATOR.-J. C. Waugh, Moline, Ill. One object of this im magazine wherein the carbid is confined in lated layers by mechanical devices adapted manner for the purpose of dropping the carbid layers on the successive downward movements of the floating bell, such magazine being easily removed for the purpose of cleaning the parts and renewing the carbid-supply.

ACETYLENE-GAS GENERATOR- N. Likins, St. Paul, Minn. In this patent the in-
vention relates to an apparatus for facilitating the generation of acetylene gas. It is espe cially adapted for railway use and in other
places where gas-holders cannot be con. places where gas-holders cannet be conused, valves may have suitable con nection with the gas-holder
matically operated thereby.
ACETYLENE-GAS MACHINE.-G. Ander-
G. this invention accomplishes the automatic ply of carbid in given quantities when gas in the holder is diminished by consumption at
the burners; second, the quick and easy replenishing of carbid; third, the prevention gas leakage throngh a hand-hole and stuling.
box; fourth, reduced ebullition of water is generator when carbid is dropped therein sumption of carbia in magazine before open ing generator to clean the same; sixth, to
facilitate discharge of water and residue fre facilitate discharge of water and residue fro:
generator; finally connecting reserve generator of battery to intermediate connecting device with gas-lolder.
RaNGE.--Q. Crane, San Diego, Cal. In this patent the invention relates particularly t- improvements in a combined range, baking -ven, and serving-table, an object being to be accessible from all sides, and that will occupy but comparatively little space, adapting for use in hotels or restaurants.
VVEN FOR GAS, GASOLENE, OR OII,
STOVES.--WLLA D. IIARRIS, New York, N. Y. The pupese in this instance is to provide a
construction which will be simple, durable, and effective, adjusted to place a pan, gridale, gridiron or broiler, or other cooking vessel or
utensil employed in the desired relation to the utensil employed

## Household Devices.

de®r-ヤ'PNER.-T. E. Lee, Chulavista al. Though particularly adaptable to screen doors, the invention may be used in connec
tion with doors of other sorts; and it comism or frame which when engaged by the foot of a person passing the door will act to en able the person to pass through the
ont using the hands to pen it.
Stwipaloder.-II. L. Schwalbe, Jersce City, N. J. In the present patent the inven-
tion has reference to imprevements in extension step-ladders, the particular object be:ng the provision of a step-ladder of this char
acter that will be very simple in its contruction and very rigid and strong in any one curblusted position
Cork in in-fixtulde. - O. Mamadist, New York, N. Y. The purpose of the inventor is
o povide a fixtmee adaptable te receive a red supporting a lace or other light curtain
to the main bracket utilized as a support for
the curtain-pole or the pole adapted to sustain decorticating ramie, France. This machine for other textile plants a portière or other heavy curtain, the auxil- and leaves, comprises rolls between which iary tixture being so made that it may be
quickly and conveniently clamped upon the lower limit of the main bracket and secured
in position and as expeditiously and readily in positi
Revolving SaSh.-J. F. Blanchard New York, N. Y. The invention relates to
sashes having horizontal pivets to the side sashes having horizontal pivots to the sid
edges mainly for convenience and cleanliness A main feature of the invention consists o
auxiliary sash stiles formed of twe longitudina members; interposed springs lef ween the members permit them to move toward and from
each other, the springs yielding when the sash is turned on its pivets.
Flisilling-TANK.-B.
in, Texas. A purpose of this invention is to provide means whereby the water may be let
out of the tauk through an outlet-pipe having out of the talls through an outlet-pipe having
slip connection with a fixed flushing-pipe, which outlet-pipe is automatically closed by the
upward action of the tank, and to provide an -verflow-pipe in connection with the closing or valve device for the outlet-pipe whereby by the tank to obviate the pounding noise com
mon to flushing-tanks due largely to siphon sucking air and water just as the siphonage
is broken. is broken.
 where tiers of shelves are of such height as where tiers of shelves are of such height as
to reguire a temorary foot-rest to enable one to reach upprir shelves, it is desirable to have
the foot-rest always in place and adapted for s to provide details of construction which af is tor a simple and convenient step capable vertical adjustment and clamped connection
with upright portions of a tier of book-sup porting shelves to enable one to readily reach Water closert.-F. W. Bender and J.
II. Homborm, New Rochelle, N. Y. The aim of the invention is to provide a new and im-
proved water-closet, more especially designed proved water-closet, more especially designed
for use on railroadears, marine vessels, etc., and arranged to prevent upward draft in the
bowl and to allow of flushing the bowl te beep the closet at all times in proper sanitary con drapherifeok.-L. Nachmann, New
York, N. Y. The object the inventor has in view is the provision of an article adapted view is the provision of an article adapted
to sustain the upper edge portion of a cur-
tain above or alongside of the curtain-pole, whereby a plurality of the hooks serve to support the curtain or portiere in a way to con
ceal the pole and the rings without resorting ceal the pole and the rings without resorting
to stiffening media for holding the curtain. WINIOW-SASII. A. C. Goddard, Wood-
cliff, N. J. In this instance the invention relates particularly to that class of sash
adapted to slide vertically in the window-casadapted to slide vertically in the window-cas
ing and to swing on horizontal pivots, so that ing and to swing on horizontal pivets, se that ing both sides of the glass by a person within mechanism permitting the movements with eas and without noise.

## Machines and Mechanical Devices.

 FELD-GEARIN(..-J. B. Hart, Clarksburg W. Va, In this case the invention is an improvement in the feed mechanism of sawmill carriages, and has for an object, among others to provide a compact arrangement of devices
whereby motion is transmitted from the sawmandrel to the feed shaft of axle and to support the intermediate friction-wheel and th
other friction-wheel as well in the feed-con trolling frame.
weight - regestering wisighing MACHINE. II. lotrin, 100 St. Lazare Street,
and L. M. 1) Lo(binale, 25 Caumartin Street, Paris, France. An important feature of this machine." consists in that the "weighing registering mechanism and takes uposition of eguipoise without moving any of the parts
save its own levers and its cursor, which mas be solranged as to move without any slid-
ing friction, se that the weishing-machine may ing friction, se that the weighing-machine may
be of the very greatest sensibility. As the registering mechanism is acted independently of the to to to weighed it may of very plurality of functions without impairing sen sibility or precision of apparatus.
CAROUSEL-H. S. Thomas. New York, N. Y. In this case the invention has reference
t. improvements in carousels or merry-gothis chara ter in which there is a variety movements and se arranged as to not only
give amusement to the riders, but alse t give amusement to the riders, but alse
preduce a peculiar illusion to enleosers.
WENHNGMACHINE, F. LANBS, Johns
town, N. Y. Mr. Lynes, object in this inven tion is to provide a machine adapted te con-
tain articles of different values or grades, such as cigars, and eperating to deliver an
article from any desired ne of the several article from any desired one of the several
:eceptaclos upon the insertion of a coin, and mechanism and a controlling mechanism for the desired receptacle.
Faure, 21 Place du Champ dacinc.i. P.
stalks are fed, a beater-wheel for breaking
stalks and separating fiber from coarse im-
purities, a shaker-frame for continueusly a stalks and separating fiber from coarse im-
purities, a shaker-frame for continuously agitating stalks while operated upon by the beaterarranged in parallel arranged in parallel consecutive pairs and means for rotating saidelpairs of drums at dif-
ferent speeds for scrapins the fiber TYPE WBITED scraping the fiber.
Y . The aim of this inventor is the pro vision of a type-writing machine of com paratively simple construction se arranged
that the typocarrying hars and eperating that the typ-carying hars and operating
levers may be moved to printing operation by a very little pressure and upon release uickly returne to their normal position.
WELL-DRILLING MACHINE.-H. H. Wi burn, North Yakima, Wash. The main object of this invention is the provision of a walk-
ing-beam with which a gasolene or steam ing-beam with which a gaselene or steam en-
gine may be successfully used for well-drilling, se shaped and hung as to cause the drillingtol to move in direct perpendicular lines, bing against the sides of the well and wearing PUMP-CONTROLLING APPARATUS.-G. v. Ellis, New York, N. Y. The invention relates to an apparatus for automatically priming and starting pumps, particularly centrifugal umps used for lifting sewage, bilge-
water, and the like. By its means as the water, and the like. By its means as the
level of the water rises to a height requiring its discharge a liquid-pressure is opened to
prime or fill the pump and simultaneously to throw the ump-controller, whereby to start the operation of the pump. The present invention represents a further adaptation of the subject of a former patent granted to Mr. Ellis.
PRESSURE ATMACHMENT FOR LUMBurs's Falls, Ontariø, Canada. The principal object of the inventor is to provide a machine which shall have the pressure-arm carrying the blocks thereof so mounted on the
machine that they may be independently erated-that is to say, if any uneven strip of material is being passed through the machine the blocks will at all times bear upon the under surfaces of the same in such manner
that it will be held even to the machine, and thereby prevent any unevenness in the matching of the same.
Defiancishing-MaCHine. - G. A. Ensign, Defiance, Ohie. More particularly this invention relates to polishing-machines using an endless sand or other polishing belt. The object is to provide a machine more especially
designed for polishing wagon and carriage designed for polishing wagon and carriage
wheel sposes, neck-yokes,
swingletrees, whiffletrees, handles, and other turned articles requiring high finish, the machine being arranged to automatically rotate the article when moving it in contact with the polishingwhen
In this SLIMER.-I. F. Monell, Boulder, Col. In this patent the invention has reference to
certain improvements in ore-slimers, a partic
lar object of Mr. Monell being the provision of an ore-slimer of novel construction and se arranged as to quickly and wholly separate
fine gold from sand and slimes. ITPLICATING MACHINE.-C. H. Colthr,
Decatur, Ind. In this Decatur, Ind. In this patent the object of the
invention is machine, more especially designed for use in banks and other financial institutions and business houses and arranged for making a complete record of all commercial papers re-
rejued and sent out to permit of obtaining immediate reference at any future time t orevious transactions or disposals of not
drafts, checks, domestic and foreign drafts, checks, domestic and foreign
change, etc.

## Pertaining to Vehicles.

WAGON-TOP.-J. Pohlig, New Orleans, La. In this instance the invention relates par-
ticularly to improvements in side-curtain mechanism for wagon-tops. an object being to provide a simple and novel means for support-
ing the rolling side curtains, and a further ng the rolling side curtains, and a further cmitting certain elements shown in a former atent recently granted to Mr. Pohlig.
TRICYCle.-C. J. Madonna, New York N. Y. The a race-horse tricycle. or a tricycle in
which the body is in the form of a herse in wo pivotally-connected parts, the rear being supported by twe wheels on the sa ne axle
and the forward part a single wheel which is a steering and at the same time a driving wheel, se that the head of the horse-like
always points in the direction of travel.

## Photography.

PHOTOGRAPIIC - SHITTTER-OPERATING
MECHANISM-J mich. The purpose of the invention is to vide a trigser-perated cushion-controlled detion with an alarm derice. a bulb operating device rerated ly the alarm derice. the bulb actel upon being comectod with the shutter
of a camera, and means whereby the triser may be brought int action manually or
through connections with an alarm clock or
trap to effect closure of said circuit whereby trap to effect closure of said circuit whereby
the device may be set to provide for an aut instantaneous photography
irds or like moving objects.
focal-PLANE SHUTTER-W. F. Fohmer, New York, N. Y. In this patent the invention relates to an improvement in focal-plane shut-
ters; and its special purpose is to provide
a construction whereby the alinement of the shutters to each other and the alinement
the connection-tapers for the shutters with spect to the reeling device will be main
taine under all conditions of adjustment and peration of the shutters.
STEREOSCOPIC APPARATUS.-V. S. I provement is to provide means for displaying
stere stere ${ }^{\text {scopic }}$ views more effectively and in
greater numbers than heretore. may be instantaneously necessity of taking the eyes from the lenses and therefore strain and discomfort heretofore entailed in removing one picture and emplac
ing another are avoided. Als the pictures are effectively protected from abrasion and injury and the number which may be shown is pra tically limitless.
FILA-DENELOPIN(: MACHINE.-J. M oralnerd, Rome, N. Y. The primary objec structure adapted for use in the daylight for the purpose of developing the sensitized ex-
posed surfaces of a film and for fixing the deosed surfaces of a film and for fixing the de veloped surfaces without resorting to a dark
room, either portable or stationary, and with room, either portable or stationary, and with
-ut the possibility of the latent impressions coming "light struck" during the proces treating the film.

Prime Movers and Their Accessories. oil-feeding device.-W. W. Mathews and C. Eaver, Eureka, Ctah. In this paten ing a supply of lubricating-oil int steam its way to the engine; and it consists in cer-
tain peculiar devices by which the flow of lubricant may be regulated at will and bep
urg a sca, rate.
MUFFLER.-I. B. Ullom, Claysville, Pa. In the main inlet-pipe and upon soduced theugh jection in the $\boldsymbol{T}$ is divided and passes out hrough brauch pipes inte the casing, where the casing-head, striking upon the conical jection oalls and being dellected all direc-
tions back toward the center of the casing, where the two portions meet and mix, where by further deadening effect is secured. The exhaust rising through the outlet-pipe is de-
flected by the cone and directed against the ring, the latter's concavity tending to return it toward the casing. These impacts further deaden sound and it escapes through ring HYDRAULIC AIR-COMPRESSOR-J. H. It is the object of this inventor's improvement t- provide an apparatus for compressing ai wherein a falling column of water is received connected with a hydraulic air-compression apair compressed by it may be delivered to the same pipe through which the column of water
falls, and thus be conveged int the said sepa rating-tank, whence it is conducted into storage-tank.
LUBRICA

The present invention has for an object to provide a novel construction whereby to minimize the danger of breaking the glas
through which the feed is seen and to deve for renewing such glass in each sigh cating the other cylinder or the air-pump
lubricating devices connecting with the same lubric
cup.

Railways and Their Accessories.
FELED-VALVE: I. L. Curran, Recklin, Cal. the prime object of Mr. Curian's invention made to sirve the purpose of the phiral valves tor attains by constructing the valve with means facilitating its ready adjust ment from
one pressure to anoflec. so that the single valve may be made to feed high or low pres
 Winston Salem, N. C. This invention relates particularly to screens for railway-car win-
dows to shield passengers from cinders. dust, and the like while riding with windows open, constru:tion that may be sold at a very small price, easily placed in a window or removed
therefrom by a passenger, compactly folded or rolled when not in use, and conveniently car-
ried in a valise or secured to the outer side

[^0]ents an original and ornamental paper-weight, square in form.
furnished by min any of these patents will Please state the name of the atentee, title of he invention, and date of this paper.

Business and Personal WVants. READ THIS CeLUMN CAREFULLEY-You will tind in iniries for certain classes of articles
numbered in consecutive order. If you manu.
facture these gondsw write us at once and we wil
send you the name and address of the party desirfacture these gonds write us at once and we will
send you the nameand address of the party desir-
ing the information. Fuevery ease itis iseces-
sary to give the number of the inquiry.

## Marine iron Works. Chicazo. Catalogue fre

Inquiry No. 58 38.-For machinery for making
tarch 1 rom corn and potatoes. Autos.-Duryea Power Co.. Reading. Pa.
Inquiry No. 5739.-For machinery for pulling " L. S." Metal Polish. Indianaoolis. Samoles free. Inquiry No. 5940.-For manufacturers of gramo-
phones. phonographs, bicycles, etc. Handle \& Suoke Mchy. Ober Mfg. Co., 10 Bell St., Inquiry No. 5741 .- For machinery for making
pearl buttons. If it is a paper tube we can supply it. Textile Tube
Company, Fall River, Mass. Incuiry No. 5742.-For manufacturers of guta
percha for cornentinn cloth, also for makers of patent
buttons for clothing. Sawmill machinery and outits manufactured by the
ane Mfg. Co.. Box 13, M ontpelier, vt.
 Wanted.-Exclusive sale improved aut
cialties. Specialties, Box $\tilde{T}$ ts. New York.
Inquirr No. $\overline{\text { IT }} 14$ - For makers of celluloidg oods,
to makea smali celuloid capsule in large quantities. Tne celebrated "Hornsoy-Akroyd"Patent Safety Oil Cugine is built by the De La Vergne Machine Comoany.
Foot of East 13sth Street, New York. Inquiry No. 5945.-For dealers in celluloid goods. In buying or selling patents money may be saved
and time gained by writing Chas. A. Scott, 340 Cutler Building, Rochester. New York.
Inquiry No. 5746 .-- Wanted, a beating plant for eating college buldings.
We manufacture anything in metal. Patented arti-
cles, metal stamping, dies, cles, metal stamping, dies. screw mach. work,
Metal Novelty Works, 43 Canal Street. Chicago.
Inquiry No. $\mathbf{5 7 4 9}$.
alking machines, etc. Manufacturers of patent articles, dies, metal stamp-
ing, screw machine work, hardware specialties, machinery and toois. Quadriga Manufacturing Company, 18
Inquiry No. 57 . 48.- For a coat hook opening and TO MANUFACTURERS
tion. for daily family use. Eend for sample.
ushions, etc. black moss, used in making mattresses, Inquiry No.
gines or motors. 50.- For makers of small gas enInquiry No. 5751.-For makers of lava gages for
Welsbach burners.
 Inquiry No. 5753.-Fer a stearn plow and steam
enkine portable on horses' backs, or on a one-wheel
hand push wagon. Inquiry No. 5754 .- For a set of tints for a tinto-
meter; must be of the Lovibond scale, for refined cut-
tunseed ill Iuquiry No. $\mathbf{5 7 5 5}$.-For makers of wood alco hol.
Inouiry No. $5756 .-$ For makers of boot-blacking Inquiry No. 5757 . For a fan with either a bat.
tery attached. ar could be run by ann accumulative bat.
tery which could be charzed trom a dyname at a mill. and then move. to a.
sick-ruom, desk, etc.
 Inguiry No. Jgng. -For makers of machinery fur
making pottery. earthenware. etc. Inquiry Not. 5760 -- For a device for heating a
house by hot water circulation wherein the fuel used
is either oil or gas. Inquiry No. ij761.-For the necessary machitery
and tufting appliances for making horse collars, colli.r
pads, etc. Inquiry No. 576 62.-For makers of ventilators and
ans, ulsol diynup pa nts. Inquiry No. 5763.-For gas motors suitable far
aerial navigation.
 Ingiry
machinery. Inquiry No. at $\boldsymbol{i}$. $6 .-$ For makers of gymnastic ap
paratus made of wood, such as Indian clubs, elc. Inguiry No. 57 6\%.-For manafacturers of mal m-
chines known as saw gins and roller gine, such as ure
used in the south.

 Inquiry No. 5970 . -For manufacturers of electric
fans which run with a dry battery. Inuiry No. $\mathbf{5 7 9}$. - For the manufacturers of the
Ever-rady ". electrical goods.
 Inquiry No. 5y33.-For makers of tinfoil for
wrapping moist goods.etc. Inquiry No. 5974.- For makers of gas traction ed " Gquiry No. Agys.--For the makers of a cigar call.



[^0]:    Designs.
    DESIGN FOR A MEMBER FOR LAMG Flidils © Filus. New lork, N. Y. This HESIGN FOR A PADER-WRIGHTT.-W. W.

