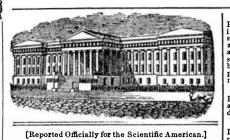
Scientific American.



LIST OF PATENT CLAIMS issued from the United States Patent Office FOR THE WEEK ENDING AUGUST 5, 1856.

FLY TRAP—Samuel Arnold, of Wilson Co., Tenn. : I claim the mechanical arrangement of box, jar, springs, lever, slides, and covering described for the purposes set forth.

WEATHER STRIP FOR DOORS-J. H. Banta, of Pier mont, N. Y.: I do not claim a weather strip applied on the bottom edge of a door or window, and kept to the sill by springs, as this has before been done; neither do I claim a double inclined latch.

But 1 claim the bar, e, constructed with the T-head, f, nd fitted into the slot in plate c, substantially as specined. I also claim, in combination with said bar, e, the double inclinedlatch, h, for the purposes substantially as speci-fied.

REEL FOR FISHING RODS—John A. Bailey, of Jersey City: N. J., assignor to John Warren, of New York, N. Y.: I claim the sliding crank shaft. F. and spring. B, ar-ranged as shown, or in an equivalent way, so that the pinion D, and wheel G, may be placed in and out of gear, as desired, and the reel, B, connected with and discon-nected from the shaft.

MORTISING MACHINE_T. R. Bailey, of Lockport, N. Y. i do not claim a rotating and vibrating mandrel, ir-respective of the construction and arrangement shown. But { claim the mandrel, H, fitted in bearings, I, J. at-tached to silding plates, L M, one of the bearings, I, da-ing pivoted to the plate, L, and the other bearing, J. al-lowed to slide on the other plate, M, the mandrel, H, be-ing vibrated laterally by the screw, f, worm wheel, g, ec-centric h, pitman N, and bent lever O, the whole being arranged as shown for the purpose set forth.

SFIKE MACHINES—Moody Belknap, of Boston, Mass I claim the improvement of making the movable knife D, with a rectangular recess, f, for the purpose and to op erate substantially in manner explained.

SERVING MACHINES-S.C. Blodgett, of Philadelphia, SEWING MACHINES-S.C. Blodgett, of Philadelphia, Pa. I claim, first, the arrangement of the crimpingnotch, g, in the shuttle, for the purpose of drawing the slack thread from the needle, and thus preventing the loop of thread from the needle, and thus preventing the loop of thread from the needle, and thus preventing the loop of thread from the needle, and thus preventing the loop of thread from the needle, and thus preventing the loop of thread the circumference of a discoidal or circular shut-tle, whereby the driving force is applied equally or near-ly so, through a considerable arc of the circumference of such shuttle. Third, the mode of driving the disk shuttle states

of such shuttle. Third, the mode of driving the disk shuttle at its cir cumference by means of a hollow pulley or sleeve, B, re-volving around a fixed shaft or axis. (). Fourth, the mode of giving motion to the needle arm and feed rollers by direct connection with the same sleeve or revolving shaft, to which the drivers are at-tached, which drive the disk shuttle, substantially as de-billion.

scribed. Flith, the arrangement of the cams, C C', and lever k' for operating the slide k, in combination with the cam e, and arm H, for operating the pressure pad, in the manner and for the purpose described.

and for the purpose described. SEWING MACHINES-JOSEPH BOND, Jr., of Philadel-phia, ra.: I claim, first, the driving of the spool case G, by placing the latter on a stationary spool case holder, within a cylindrical driver, having any convenient num-ber of internal teeth. the driver being situated eccentri-cally with the holder, so that the internal teeth of the former may catch into the recesses in the edge of the spool case, and cause the same to revolve, at the same time leaving a space between the holder and the driver on the side opposite to that where the teeth act on the spool case for the play of the needle and its thread. Second, the hooked lever, L, in combination with the cam, n, on the driver, B, arranged and operating substan-tially in the manner and for the purpose set forth. Bruce Darse John Bornton of Fast Hastford Comp

Batck P n sss-John Boynton, of East Hartford, Conn. I do not claim a brick press composed of a revolvable molding cylinder or prism, having molds placed in its perimeter or cylindric suriace, a mechanism for supply-ing or filling clay into the molds, a pressing mechanism, discharging mechanism, and a mechanism for impart-ing to the molding cylinder an intermittent rotary mo-tion.

tion. But I claim the rotary matrices, a a, and the plate, C in which they are formed, hopper K filling plunger L compresser U, bed or mold plate, B, and discharger, V arranged in relation to and in combination with each oth-er so as to be operated by mechanism, as described.

er so as to be operated by mechanism, as described. ATTACHING AND DETACHING BOATS-J. M. Brooke U.S. N.: I claim the application to boats and their hoist-ing and lowering apparatus, a bolt with a hollow head, opening on and forming part of a curved channel, or de-flecting surface; having also a curved slot to correspond with the channel so that a ball fitting conformably there-to will, by the force of gravity, when permitted, follow this curve and be turned aside, and moreover will be prevented from re-attaching itself to the bolt if passing up and down before the aperture. I also claim the arrangement of a cock or prop let into the side of the deflecting surface, so as to secure the ball in the head of the bolt when required, but offering no obstacle to its entrance.

no obstacle to its entrance. WATER CLOSETS-W.S. Carr, of New York City : I am well aware that cocks have heretofore been fitted in such a manner as to avoid any sudden motion in either opening or closing ; therefore I lay no claim to so doing. I am also aware that a given amount of water leakage has been used to prevent a sudden motion in cocks. bal-ances, meters, and a variety of other instruments: there-fore I do not claim the same. I claim the valve, g, with its cylinder 3. and openings x, constructed and acting in the seat 2, in the manner and for the purposes substantially as specified. I also claim the cup leather, m, in the cylinder, k, fit-ted with said valve or cock, g x 3, and spring. I, the whole constructed and operating substantially as speci-fied.

The constructed and operating substantially is specified. I also claim unlatching the pan, r, from the lever, p, to empty the contents thereof, and then retaining said pan in its depressed position while being washed out by pro-viding the notch 10. pin 11, and hook 12, the whole con-structed and acting in connection with the gradual mo-tion of the stern, h, of the valve, substantially as speci-fied.

fied. ENVELOPE-W.H. Coates, of Philadelphia, Pa.: Al. though as an extra secure means of fastening envelopes, I have shown the same as furnished with double wafers at-tached together by means of strings. I do not desire to confine myself to their use, as the adhesive materials, in-dependent of the connected wafers, afford an efficient se-curity. But I claim the construction of envelopes with an ex-tra turn-down, e, said turn-down being furnished with ad-hesive substance, and being arranged substantially in the manner and for the purpose set forth.

manner and for the purpose set forth. BAGASSE FURNACES-S. H. Gilman, of New Orleans. La. 1 claim the combination of a dome covered cylindri-cal chamber A, having a , circular base with a draft door located at E, an arch covered second square chamber B, a pit D. a heat conduit or throat K. when constructed. pro-portioned, located, arranged and combined in the manner and for the purpose set forth and described. I also claim the location in a bagasse furnace of the draft. door, or opening through which the air is admitted to support combustion, at or near the hearth level or fire bed, and interedly opposite the opening through the pro-ducts of combustion leave the first chamber of the fur-nace, and in the vertical plane passing through the cen-ter of the two chambers units, when the hearth of the second chamber is substantially on a level with the hearth which supports the baggasse to be burned.

85

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ICE BREAKING BOATS-Henry and William Brown, of Philadelphia, Pa.: We claim the formation of a recess in the bows of a steamboat, said recess having inclined shelves, E and E', anguiar terminations, F and F', and angular rib, G, in combination with the guards, H and H', the whole being arranged and constructed substantially in the manner set forth, for the purpose of breaking a channel through ice, and directing the broken pieces under the ice remaining on each side of the chan-nel.

SASH SUPPORTER—C. H. Dana, of West Lebanon, N. H. I. I claim the lever, C, with roller D, on axle or pivot, a, arranged and operating in the inclined groove, d, as described and for the purpose set forth.

PRINTING PRESS-W. H. Danforth, of Salem, Mass. I do not claim the broad use of a type form, when it i required to be run out upon a stand placed outside of the platen, between every impression, to allow the types to be inked.

I do not claim the broad use of a type form, when it is required to be run out upon a stand placed outside of the platen, between every impression, to allow the types to be inked. But I claim, first, the traveling bed plate and its attachments, as described, substantially in combination with the bed, B, worm, C, shaft and crank, C', or their mechanical equivalent, and table A', she whole being arranged and operated substantially as described, and for the purpose shown. Second, I claim the improved manner that I have designed, forming the twosets of griping bars, It', for insuring an equal gripe upon the sheets throughout their whole length, as set forth, and in the manner of arranging the two sets of griping bars to act together continuously, upon the leading edge of the sheet from the time that they seize upon it until it is discharged, printed, from the machine. And also in the manner of insuring precision, and exactness of action to the griping bars to act together continuously, upon the leading edge of the sheet from the machine. And also in the manner of insuring precision, and exactness of action to the griping bars to allow the two sets of griping bars to act together continuously. Upon the leading edge of the sheet, by the employment of the bar separator, m m, and brush, P, the whole being arranged and operated in a manner substantially as described, and shown. Third, I claim the movable or vibrating guide and gauge frame, I, constructed, arranged, and to griping the they are required to gripe the sheets, and to griping to the crosstrings, e e, by means of the side lips or flanges 6, dec. their required the prives, of the side lips or flanges 6, dec. their sequired them across or che trypes, and also enable them to withdraw the printed sheet from off the face of the types, by not allowing the chains, H II, to be displaced from the lines that they are required to travelin, by this act, and for guiding the chains, H II, to be displaced for the purpose shown. Fourth, I claim the employment of a series of p

Ink upon all parts of its surface, for the purpose shown. CARPET FASTENINGS-S. R. C. Denison, of Rochester, N. Y. : I claim my method of fastening carpets by means of the metallic cams attached to the base board, which cams not only hold the carpet firmly in its place, but af-ford facilities for its instantaneous removal in case of fire or other emergency, said cams being constructed and op-erating anbstantially as described. It being understood that I do not claim the use of but-tons for fastening carpets, they having been before used in other ways, as in the fastening of Wm. Loughborough, patented June 5, 1355, but claim only the manner in which they are applied, aspecified.

METAL PAVEMENT-S. B. Ellithorp, of New York, N. Y. I do not claim the use of metal blocks for pavements, nor the use of blocks with grooved arches without inter-slices between the arches, nor the use of cement, gravel or sand, to fill the interstices of metal blocks for pave-ments.

ments. Sum a metal block for pavements, formed of a But I claim a metal block for pavements, formed of a series of groined arches, alternating in position and con-nected to ridge or string pieces with interstices between the arches to be filled with cement, gravel or sand, as specified.

COMPRESSED AIR R.R. SIGNALS—John W. Fowle, of Cincinnati, O. : I claim the arrangement of the valves 25 26, with the air chest 24, when acted upon by compressed air for the purpose of setting in motion the alarming ap-paratus for purposestated. I also claim the arrangement of the levers, 18, rods 22, levers 27, 20, and 23, rods 40 and lever 39, catch plates 36, 37 and 38, and springs 29 and 30, and these arranged with the shafks 9, 9, and levers 10 and 11, for the purpose of re-setting the alarming and signal apparatus, as described, when operated on by the lever valve 26, for the purposes mentioned.

mentioned. WRENCH-Lorenzo D. Gilman, of Troy, N. Y.: I do not claim inserting a forked piece of metal with a square shank upon one end, in the square slot of the axis of the wrench and supported by a nut; neither do I claim the teeth on the axis; neither do I claim the pad, those having been used prior to my having any knowledge of wrenches. I claim the use of adjustable jaws, E E, as described, moving in the slot, C C, and operated in connection with the groove in the jaws, forming an adjustable socket, in the manner set forth.

BREAKING IDE—Isaac H. Giffing, of New York City: I do not claim a pointed iron or steel for breaking ice. But I claim the looped rod, the sliding ball or weight, and the point, all in connection, as set forth, using for that purpose any metal of any size or shape that may be necessary for the purpose of crnament or for attaining the object in view, viz, breaking ice.

the object in view, viz, breaking ice. KRITTING MACHINES-Augustus J. and Demus Goffe of Cohoes, N. Y. . We are aware that machines have been made which have a complete converging series of latch needles arranged in a circular plane to slide endwise and down the yarn from a yarn carrier around stops arranged between the needles to take up enough yarn for the new loops; and we know that machines are in use which have a complete converging stationary series of fixed needles arranged in a plane; but our invention, as de-scribed, is not embraced by such machines. We claim the employment of a stationary circular converging series of hooked needles, arranged in a plane and made to slide in respect to the revolving or travel-ing yarn carrier and presser, and also in regard to the stationary ring of stops, c.c, as described, in connection with the inside web guide, C, or its equivalent, as set forth, for knitting plain tubular work.

LOOKS-Joseph M. Lippincott, of Pittsburgh, Pa. : I claim the use of a stationary tumbler chamber with movable wards and tumblers, in combination with the fonce, II, constructed and arranged substantially as set

fence, it, constitution and services for the forth. I also claim the use of an aperture, n, in the tumblers, i, into which the grooves, g'', for the passage of the fence open, but distinct therefrom. for the purpose of allowing the tumblers to resume a position in which the grooves are out of range while the fence is yet engaged in the tumblers, substantially in the manner and for the purpose

set forth. GUIDING LINE FERRY-BOATS OR FLYING BRIDGES —William A. Jordan, of Thebodeaux, La. : I am aware that James Parks proposed the employment of a grooved wheel or pulley block with a rope attaching it to a boat guided by an ordinary steering oar, when said wheel was used as a traveler on a tight cable stretched over-head from bank to bank, as a means of crossing streams by the force of the current. I therefore do not claim this as my invention

by the force of the constructed substan-this as my invention. I claim the vibratory lever, D, constructed substan-tially as described, and arranged and operated with a cable in the manner and for the purposes to folth.

LIGHTNING RODS-David Munson, of Indianapolis, Ind.: I claim constructing a tubular lightning rod with spiral flanges, one of which is left open or divided its en-tire length, for the purpose of admitting the electric cur-rent to the inner surface of the rod, to diminish its inten-sity and mechanical effect, substantially as described.

PENHOLDER—T Kenton Lyon, of Richmond, Va.: I disclaim lips and all improvement in pens, also guards of any kind not forming a deep annular space around the pen, as described. I distinctly disclaim any improvement on, or application fimprovement to pen and pencil cases of any kind.

of any kind. I claim, on the common straight penholder, the guard, B, attached to or made part of the holder, forming a deep annular space around the pen, or that part of the holder where the pen joins it, for the purposes set forth.

CORN AND COB MILLS-Jacob O. Joyce, of Cincin-nati, O. Ante-dated Peb.5th, 1856: I claim the arrange-ment of the segments, I, on the upper cone, and the seg-ments, K K', on the lower cone, so that the former shall pass through between the latter, gradually contracting the spaces between their crushing surfaces. substantially as set forth. as set forth.

COLORING PHOTOGRAPHIC PICTURES ON GLASS-D, B. & A. B. Spooner, of Springfield, Mass.: We do not claim the coloring of a picture all over with a single tint. But we claim the application of gum arabic or other equivalent material, as set forth, for the purposes de-scribed and no other.

STRAW CUTTERS—J.H. Gooch, of Oxford, N. C.: claim providing a support, F, on the axle, B, and hav the axle stationary and the knife revolve on the sar substantially as and for the purposes set forth. STRAW CUTTERS-

BLANKS FOR BANK NOTES, BILLS, & C-Peter Han-nay, of Washington, D. C. : I claim the combination of the arts of photography and printing or writing, or both, in the manner substantially as and for the purposes set forth.

forth. ROTARY KNITTING MACHINES—S. W. Park and Ed-gar S. Ells, of Troy, N. Y.: We claim combining to-gether two annular series of hooked needles with a sink-er, two pressers, and a web guide. D, or its equivalent, substantially as set forth, for use in the production of ribbed work, as specified. And we claim the manner of arranging two annular sets of needles in relations to each other, that is, arrang-them together, so that the hooked ends of the needles of one set are parallel or nearly parallel with, alongside of, and pointed in the opposite direction to those of the oth-er series, as set forth. We also claim the improvement of arranging the sink-er, c, substantially as described, to increase the distance between the yarn and the old loops of the second set of needles, just before the barbsof the needles are pressed. And we claim the improvement of arranging the cam, B, so as to spring out the ends of the second set of nee-elles, substantially as described, and for the purposes spe-cified. And we claim the improvement of holding the needles

And we claim the improvement of holding the needles of an annular series in place on the grooved needle block, or its equivalent, by the ring, A, constructed, ar-ranged and operating as set forth.

DOOR STAY—Anson H. Platt, of Yellow Springs, O.: I claim the use of the bolt, 6. the lever, 7, and the dog, 5, arranged and operating in the manner and for the purpo-ses set forth.

HEATING FEED-WATER APPARATUS FOR STEAM BOILERS-John K. Sees, of New York City: I do not claim heating the feed water for bollers in pipes placed between the feed pump and boller, neither do l claim heating the feed water by the escape heat of the boller. But I claim the heating pipes, J, and the branch pipes, G and H, with the chamber containing the double-acting check valve, L, and the circulating pipe, K, all arranged below the water line of the boller, in the manner and for the purposes set forth.

COMBINED STEAM AND HOT AIR COOKING STOVE-John Shopland, of Honesdale, Pa.: I am aware that a pan of water has been placed in an oven for moistening the air therein, and that steam has been introduced into a chamber for steaming meats and vegetables. These I do not claim

a characteristic scaling means and vegetables. Interest donot claim, the arrangement of the boiler outside and But I claim the arrangement of the boiler outside and independent of the oven, so as to have the hot air and steam at variable temperatures, and mix them at pleas-ure, or as the character of the cooking may require.

BREECH-LOADING FIRE-ARMS-Gibert Smith, of Buttermilk Falls, N. Y. : I claim, producing a flexible lip, b, form the solid metal of the rear of the chamber, to operate as and for the purpose set forth, by forming a groove, a, around the chamber at a short distance from the extreme rear thereof, substantially as described.

HEMP BRAKES—Meriwether Thompson, Jr., of St. Josephs, Mo.: I do not claim a compensating pitman as

Josephs, Mo.: I do not claim a compensating pitman as such. But I claim the arrangement of a compensating pitman when applied to a hemp brake, and constructed substan-tially in the manner and for the purpose described. I do not claim cone pulleys for varying the speed of my machine, nor the slotted arm and shifting pitman to vary the stroke of the brake. But I claim the arrangement described of the cone pul-leys or equivalent mechanism for varying the speed, and the arrangement of the slotted arm. 7 8 9. and shifting pitman as described, in such relation to each other that by the described connection between them, through the shall effect a corresponding change in the stroke of the brake.

brake. STUFFING LEATHER—Francis A. White of Roxbury, Mass.: I am aware that other oil has been combined with hides and skins in the process of tanning, as in the American patent of Keeler. But my mixture of tallow and oil could not be so used, because the tallow and oil, on being brought into contact with water at the tempera-ture used, would separate from each other, and the con-sistence of the mass of oleaginous matter used by me is such that nothing less than the pounding operation of a fulling mill or other equivalent machine would be suffi-cient to fill equally the pores of the skin with such a mix-ture. While therefore I disclaim the use of any such ro-tating apparatus as used by Mr. Keeler aforesaid, or that used by Vanquelin for charging skins, &c., with oleagin-us matter.

The matter and the set of stuffing leather, substantially as set of Lelaim the mode of stuffing leather, substantially as set forth, whereby I dispense with the usual time required in drying before stuffing, and render the neck and flank parts a superior quality of leather.

orth.

SECURING TYPES ON ROTARY BEDS-Hichard M. Hoe, of New York City: I claim securing or holding the column rules, a', in their places on the bed by means of the feet, a which fit in rebated grooves in the bed, and have plates or keys, b, fitted over their lips or edges, b', substantially as shown and described; and I claim this, whether the strips or plates, B C D E, are used in the usual quoins, a, or any other device for wedging or bind-ing the types and rules in the bed.

DRAWSR PULLS-P. & E. W. & J. A. Blake, of New

STOVE PLATES-N. S. Vedder, of Troy, N. Y., assignor to G. F. Filley, of St. Louis, Mo.

PARLOR STOVES-Samuel Pierce & J. J. Dulley, (as signors to Fuller, Warren & Morrison,) of Troy, N. Y.

The Morse Telegraph in Europe

Prof. Morse who is now in Europe, has received great attention from the most scientific men, and the most eminent electricians in England. At a dinner recently given by Mr. Brett to the gentlemen connected with the telegraph, Mr. Brett toasted Prof. Morse, and in a speech bestowing upon him the highest encomiums, declared that his system of telegraphing was now the universal system. Dr. O'Shaughnessy, who is Superintendent of all the East India Telegraphs, seconded Mr. Brett's remarks, and stated he had made a report to the East India Company, recommending the substitution of Morse's instruments on all the lines for the Needle Telegraph they have hitherto used. He pronounced Morse's system not only the simplest, but the best ever invented, and the only one worthy of universal adoption.

A correspondent of the Philadelphia Ledger says :-

"In Paris, also, Prof. Morse was received by Count de Nourhy, the Director General of Telegraphs, with the utmost courtesy, and being ushered into the telegraph rooms of the central station, about thirty instruments of his invention welcomed him with the music of their filial voices.

A reminiscence made this scene peculiarly interesting. These instruments were in the building which formed the central station of the French Semaphore Telegraph, by whose outstretched but now unmeaning arms, it is still surmounted. In that same building, eighteen years ago, Prof. Morse exhibited his instrument, and endeavored, in vain, to satisfy the managers of the Semaphore that he had brought them a superior system. What he could not do for his instrumentit has done for itself, and now it constitutes the only telegraph in the French empire."

Submarine Blasting.

A ridge of hard concrete, near Governor's sland, in the harbor of New York, is now undergoing demolition, by the simple process of submarine blasting without boring. The ridge -named Diamond Reef-is 300 feet long and 40 wide, the water is 16 feet deep on it at low water; the reef is to be reduced 6 feet, leaving 22 feet depth of water, at low tide.

The contract, to reduce it was taken by Messrs. Husted & Kroehl for \$35,000, and there is every prospect of these contractors accomplishing their object, with promptitude and profit. Large tin cannisters attached to the lower ends of strong pointed stakes, and filled with powder, are sunk to rest on the face of the reef, and are discharged with a galvanic battery. The weight of the superincumbent column of water, when the blast is discharged, assists to make the expansive force of the powder act powerfully on the reef in a downward direction, and laterally, thereby riving and disintegrating it with rapidity. Some of our cotemporaries call this blast the Paisley Blast," instead of the Pasley-after Col. Pasley, who first applied it some years since to remove concrete shoals in the river Thames. Mons. Maillefert first introduced it, we believe into our country, and he obtained a patent for it, although, as we then pointed out, the invention was quite old. This system of submarine blasting is one of the most useful inventions ever discovered, for removing concrete shoals in navigable rivers and harbors-its value is but beginning to be properly appreciated.

The Telegraph in the East Indies.

In two years four thousand miles of telegraph wire have been erected in India. Calutta, Bombay, Madras, Delhi, Lahore, a telegraphically united, and six thousand miles of new lines are in the course of erection. No. 1 galvanized iron wire is used. The wires are erected on strong durable posts, like those in our own country.

Des to

An American Block for Watt's Monument. A fine monument is about to be erected to the great improver of the steam engine, James Watt, in his native town, Greenock, in Scotland, and a fine large block from the Seneca quarry on the Potomac, Md., has been received for it from Gilbert Cameron, the builder of the Smithsonian Institute, Washington.

BOLT FOR VAULT AND SAFE DOORS—Linus Yale, Newport, N. Y. : I claim an arrangement of bolts bars, which are self-acting, in the manner or sn equiv lent manner to that described, and for the purposes s set

RE-ISSUES.

RE-ISSUES. BAGASSE FURNACES—Samuel H. Gilman, of New Or-leans, La. Original patent dated Dec. 4, 155: I claim combining with the receiving chamber a square mixing or second chamber, whose hearth is substantially level with that of the receiving chamber, B, separate and dis-tinct from the heat conduit or flue which conducts the with that of the receiving chamber, b, separate and the tinct from the heat conduit or flue which conducts the heat to the boilers, and located between the afore-aid heat conduit and the receiving chamber of the furnace, and combined with the bagasse furnace for receiving the products of the burning bagasse, mixing mechanically and perfecting the combustion of the gases thereof after they pass out of the first or burning chamber, and before they enter the heat conduit or flue, and thereby promo-ting the deposit of the solids, substantially as described. whether the said second chamber, B, is provided with a it. D, ornd. I also claim the use and adaptation of the pit, D, located in and combined with the second or mixing chamber, B, as an auxiliary to increase the agitation and perfect the inxiture and combuston of the gases, and also to pro-mote the deposit of the solids, substantially as described.

DESIGNS

Haven, Conn.

COOKING STOVES-Samuel Pierce and J. J. Dulley, (assignors to Fuller, Warren & Morrison,) of Troy, N. Y.