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Liability of Telegraphic Companies in England

The Court of Queen's Bench, says the London Times, was lately occupied with a case of great importance to the commercial world. In the month of July, 1857, a report reached the head-quarters in London of the South Eastern Railway Company that the Lewes Bank had stopped payment. The cashier of the company adopted the report, and telegraphed to their servants at the various stations on the line that they were to take no more notes or checks on the Lewes Bank. The notice of the alleged stoppage was also posted up at some of the stations, alongside a correct announcement that the Hastings Bank had suspended payment. In consequence of the publication of the false report, there was a run upon the Lewes Bank, in order to meet which the securities had to be realized at an enormous loss. The jury gave a verdict for the plaintiff, with \$10,000 damages. It appeared from the statement of the counsel that if the message of the cashier had not been published at the stations, it might have been looked upon as a privileged communication between the cashier and the subordinate servants of the company.

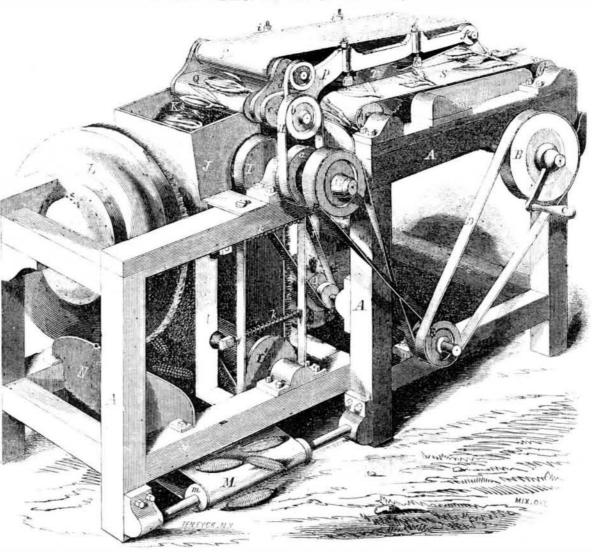
Remedy for Sunstroke.

Dr. Dickson, of London, who was formerly a medical officer in the British army, disapproves entirely of bleeding in cases of sunstroke, but relies upon ammonia, quinine, and alcoholic stimulants, and the prompt application of cold water to the head. This is upon the principle that opening a vein diminishes the power of the heart, already deficient, while the stimulants being diffusive in their character, at once tend to give vitality to every portion of the system, and restore the circulation to the standard of health. Ammonia is preferable to alcoholic stimulants, as, while it is equally prompt and potent in its action, its application is not attended with the injurious and sometimes fatal re-actionary effects of spirits.

Kentucky Mechanics' Institute.

The sixth exhibition of this institute will commence at Louisville, Ky., Sept. 14th, and the directors will be ready to receive goods

SMITH'S PATENT CORN HUSKER.



The subject of our illustration is designed to husk corn perfectly without in any way injuring the corn, and the corn being fed to it with any length of stalk will be delivered from the machine perfectly free from husk and stalk. The working parts are mounted in a frame, A, and the power is given to a wheel, B, by the handle, C. D is a belt giving motion to E, from which the belt, F, rotates the wheel, G. On the shaft of G is a drum, I, round which passes the endless husking band, K, being provided with wire teeth, something like a carding belt. This band, K, also passes over small rollers in the frame, l, which can give to pressure and again assume their original position by their bearings being on the ends of spring rods, k; K also passes round another drum, I'. In front of K is a wheel, L, provided with wire teeth, and it is in passing between these two that the husk is torn off. From the drum, I, passes a band

band, there being one each side, passing over rollers, & and g.

The operation of this machine is as follows: The corn with stalk attached is placed on the endless bands, Q and S, and they are carried between R and Q until they come in contact with the saws, T, which cut off the butts ana stalks; and the motion of the bands over and under the corn while it is momentarily stayed by the saws serves to slightly loosen the husk. The corn is carried on and falls into the hopper, J, which guides it between the endless husking board, K, and the husking wheel, L, from which it drops perfectly husked on to the delivering band, M, on the roller, m. This is operated by a pulley and band on the side of the machine not seen in our engraving, rotated from the axis of E, that passes directly across the machine. N is a guard plate, to ensure the fall of the ears on to M.

This ingenious device is the inve W. H. Smith, No. 139 Thames st., Newport, R. I., and is the subject of two patents, one dated October 28, 1856, and the other October 6, 1857. The inventor will be happy to give any further information upon being addressed as above.

them Q and R pass. S is another endless master by the name of Justin Morgan lived in Chicopee street, West Springfield. The place where this man lived has been pointed out to the writer in the Republican by one who knew him and remembers his celebrated horse. In the spring of 1793 he raised the colt which has given celebrity to his name; and although a promising one, and fully appreciated by its awner, who was noted for his passion for good horses, it is believed that this horse could have been bought for fifty dollars.

NO. 50.

Fortune frowned upon Mr. Morgan; and, seized with the spirit of adventure, about the year 1798 he migrated with his family ana horse to the wilds of Randolph, Vt. Here he lived a few years, and died poor. Like the projectors of many valuable inventions, neither he nor his family realized profit from the skill and labor displayed in preserving the stock of this horse, who was the foundation of a breed which has given both wealth and character to New England. In this case is forcibly illustrated the influence of an ordinary action. Justin Morgan might or might not have been conscious of the results, when sixty-five years ago he raised that famous colt. The act was simple in itself, but the consequences are momentous. An impetus was then given to a branch of industry whose power is not yet fully felt. Wherever the horse is known there shall the name of Justin Morgan be repeated. The Morgan horse is destined to give as much celebrity to New England as the barb of the desert to Arabia. As a farm and family horse the "Morgan" is unequaled. Docility, hardihood, endurance, compactness, and sure foot-

for exhibition on the 7th. As all machinery, &c., is to be in actual operation, persons intending to exhibit are requested to inform Mr. D. Macpherson, Secretary of the Exhibition Committee, as to the amount of space and power they will require.

THE METALLIC OIL advertised in another column is an excellent article for lubricating machinery. It is durable and economical, and having stood the severest tests for some years past, we can cordially recommend it.

We have to thank Commander Thos. Page, of the U. S. steamer Waterwitch, for maps of his survey of the river Parana in that ship.

wheel, j, rotating a brush, O, which serves to clean the wire teeth upon K; there is also a cleaning brush to L. From a small wheel, a, on the shaft of G, a band wheel, H, passes, rotating a small pulley, b, at the extremity of a frame, P, which extends over the feeding device, and on the axis of b is a drum, around which passes the endless feeding band, Q.

From a wheel, c, on the same axis, a band, d, rotates the wheel, e, which gives motion to the upper endless feeding band, R, that also passes around another drum, f, and under rollers whose bearings are so arranged as to keep the band, R, tight and yet give to pressure, by bars and springs, i. Underneath P two saws rotate, one on each side, and between

The Original Morgan Horse.

The Springfield (Mass.) Republican, speaking of the origin of this noble breed of horses, asserts that Massachusetts has done many good things, among which is giving to Vermont the credit, and the world the benefit, of the celebrated Morgan horse. It appears that near the close of the last century a singing edness are his invariable properties.

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IMPORTANT TO INVENTORS.

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The rapid growth of our Patent Agency busin during the past three years has required a great addition to our ordinary facilities for its perform and we are now able to announce the completion of a system which c nnot fail to arrest the attention of all who have business of this kind to transact. OUR PRINCIPAL OFFICE

will be, as usual, at No. 128 Fulton street, New York. There is no other city in the Union so easy of acces from every quarter as this, consequently there are creater advantages in regard to the transmission of mo dels, funds, &c., through the various channels that cente in New York. Two of the partners of our firm reside here, and during the hours of business are always at hand to counsel and advise with inventors. They are assisted by a corps of skillful Examiners, who have had many years of active experience in the preparation of cases for the Patent Office.

To render our Patent Agency Department complete in every respect, we established over a year ago a

BRANCH OFFICE IN THE CITY OF WASHINGTON, on the corner of F and Seventh streets, opposite the United States Patent Office. This office is under the general supcrintendence of one of the firm. and is in daily communication with the Principal Office in New York, and personal attention will be given at the Patent Office to all such cases as may require it. Inventors and others who may visit Washington, having business at the Patent Office, are cordially invited to

call at our office. A SPECIAL NOTICE.

We especially require that all letters, models andremittances should be made to our address at New York. EXAMINATION OF INVENTIONS.

We have been accustomed from the commencement of

our business-thirtcen years since-to examinesketches and descriptions, and give advice in regard to the novel ty of new inventions. *without charge*. We also furnish a printed circulate of information to all who may wish it, giving instructions as to the proper method whichshould be adopted in making applications. This practice we shall still continue, and it is our purpose at all times to give such advice free and candidly to all who apply to us. In no case will we advise an inventor to make apply cation unless we have confidence in his success before the Patent Office.

Our extensive experience in mechanical and chemical improvements enables us to decide adversely to nearly one half of the cases presented to us for our opinion, b fore any expense has occurred in the preparation of the case for a patent.

When doubt exists in regard to the novelty of an in-vention, we advise in such cases a

PRELIMINARY EXAMINATION

to be made at the Patent Office. We are prepared to conduct such examinations at the Patent Office through our "Branch Agency," upon being furnished with a sketch and description of the improvement. Our fee for this service will be \$5. After sufficient experience under this system, we con-

fidently recommend it as a safe precautionary step in all cases before application is made for a patent-not that there will be no rejections under this system. It is impossible to avoid such results in many casespowing to the exceedingly wide range taken by the Examiners in the examination of cases; but, nevertheless, many applicants will be saved the expense of an application by adopting this course. Applicants who expect answers by mail must enclose stamps to pay return postage.

THE COSTS ATTENDING AN APPLICATION for a patent through our agency are very moderate, and

great care is exercised in the preparation of specifications, drawings, &c. No cases are lost for want of particular care on our part in drawing up the papers, and if the claims are rejected, we enter upon a speedy examination of the reasons assigned by the Commissioner of Patents for the refusal, and make a report to our clients as to the prospects of success by further prosecution.

A circular containing fuller information respecting the method of applying for patents can be had gratis at either of our offices.

REJECTED APPLICATIONS.

We are prepared to undertake the investigation and prosecution of rejected cases, on reasonable terms. The close proximity of our Washington Agency to the Patent Office affords us rare opportunities for the examination and comparison of references, models, drawings, documents. &c. Our success in the prosecution of rejected ments, ac. Our success in the prosecution of rejected cases has been very great. The principal portion of our charge is generally left dependent upon the final result. All persons having rejected cases which they desire to have prosecuted, are invited to correspond with us on the subject, giving a brief history of their case, enclosing the official letters, dec.

FOREIGN PATENTS.

We are very extensively engaged in the preparation and securing of patents in the various European coun-tries. For the transaction of this business we have offices at Nos. 65 Chancery Lans, London; 29 Boulevard 5t Martin, Paris; and 36 Rus des Eperonniers, Brussels. We think we may safely say that three-fourths of all the European patents secured to A particap citizans are



Issued from the United States Patent Office FOR THE WREE ENDING AUGUST 10, 1858.

[Reported officially for the Scientific American.]

Circulars giving full particulars of the mode of applying for patents, size of model required, and much other information useful to inventors, may be had gratis by addressing MUNN & CO., Publishers of the SCIENTIFIC AMERICAN, New York.

STRAW CUTTERS—Darius Babcock of Dryden, N. Y.: I do not claim a rotating cutter wheel with knives or cutters attached, so arranged that the cutters work over the mouth of the feed-box, for this is an old de-

vice. Builclaim operating the feed rollers, D D, through the medium of the levers, F F, rods, H H, connected with said levers by means of the sliding collars, b palls, G G, and crank pulley, d, arranged substantially as described and for the purpose specified.

[This invention relates to an improvement in that cl as of straw, stalk, and hay cutters, in which knives are attached to a rotary wheel, the plane of rotation of which is at right angles with the mouth of the feedbox. The invention consists in placing the feed-box in an inclined position instead of having it in a horizontal position as usual, and arranging the cutter wheel so that the material to be cut may be readily fed to the knives and the cutting operation of the cutter greatly facilitated. The invention also consists in the employment of a leger blade of novel construction, to facilitate the cutting action of the knives, and in an improved feed gear, so that the feed may be regulated as occasion may require.]

MACHINE FOR THRESHING AND SEPARATING GRAIN.

MACHINE FOR THERSHING AND SEPARATING GRAIN-N. J. Becker and J. M. Harvey, of Amsterdam, N. Y.: We claim the combination of the swinging arm or arms, S. S., straw carrier brackets or projections, m. m., elbow lever, T., connecting by linka, n. p. the swinging arm, S. to the separator, pitman, v. v., operated by cr. nk pin from the fan shaft to drive the swinging arm, S. and fan and threahing cylinder pulleys, D. E., arrauged sub-tantially as described, and driven by the same band or belt as set forth. We do not claim the combination of a reciprocating or independently moving perforated straw carrier with a stationary bed plate, but as gearing the serrated bar frame, G. to the perforated bed plate. H. and conduct-ing board, I, that said latter portion shall give an accel-essentially as and for the purposesset forth. Providing. the feeding throat of the thresher, or thresher concave, with a dust spout or outlet Z, above and furnishing the cylinder race with a dust passage. X, in front, under the feed table, as shown and described.

SEED PLANTERS-Addison Berdan, of Macon, Mich.: I claim the arrangement of the reciprocating piece, L, adjustable tubes, S, stationary piece, M, and top plate, N, with hoppers, O, the whole being constructed for operating conjointly as set forth.

HARBOW-Addison Berdan. of Macon, Mich. : I claim the combination of tooth bars, T, having projec-tions, W, with guide, V, oscillating lever, O, and frame, u, the whole being constructed, arranged and operated as set forth.

MACHINES FOR ROLLING LRATHEE INTO BALES-Na-than Burk, of Fulton, N.Y.: I claim, in combination with the winding and clamping shafts, the spring table with its friction roller, stops and string guides, ar-ranged and operating together in the manner and for the purpose set for th.

WIND GOARD FOR CHIMNETS-F. M. Butler, of New York City: I do not limit myself to the size or shape of my wind guard, whether round or polygonal, al-though I prefer the former or an oval. What I Claim, is the arangement of the pipe, b, radial guard; d, inner disk, e, and hood, f, when in substan-tially the proportions and for the purposes specified.

tally the proportions and for the purposes specified. OPERATING THE TEETH OF CTLINDERS FOR BURRING WOOL, &C.-T. B. Buller, of Norwalk, Conn. : I claim the application of teeth to a rotating cylinder having an uniform peripherical surface, in such a manner as to be projected beyond the said surface to catch the fibrous materials to be operated upon and afterwards retracted into pockets within the said peripherical sur-face, for the purpose of holding said material and pre-senting the greater portion of it upon the even periphe-rical surface of the cylinder without any obstruction to the action of strippers, brushes, or other analogous de-vices for burring, ginning or cleaning it, operating in combination with said cylinder, substantially as de-scribed. scribed.

The result obtained by this improvement is the disribution of the fibers over a smooth and uniform surface, npon which they are held firmly without being cut, while they are closely and at all points alike subjected to the action of as many strippers, brushes, or analogous devices as may be necessary to clean them. without the necessity of making the toothed cylinder or strippers, brushes or other cleaners rotate at a high velocity, which is very objectionable.]

MACHINE FOR CHAMFREING AND CROZING BARRELS— A. H. Crozier and Cyrus Carrier, of Owwego, N.Y.: We claim the method described of moving the crozing and chamfering tools to and from their work by means of the differential movement of the wheels, Q and S, pro-duced in the manner described when operating the earn or accentric which controls the action of the tools

APPARATUS FOR PURIFYING GAS-W. F. Danowsky of Allentown, Pa. : I claim the use of the purifier, D, when arranged and combined with a gas trap, E, in the manner and for the purpose described.

TREATMENT OF CAOUTCHOOD-Austin G. Day, of Sey mour, Conn. : I do not ciaim in the broad, vulcanizing rubber or equivalent guma, and irrespective of the spe-cial process used and product made. Therefore-What I claim is, running the heat for vulcanizing elastichard rubber compounds as setforth through the

several grades of temperature, and the several inter vals of time described and illustrated in the specifica

tion. I also claim making, as described, the elastic, hard rubber composition of two parts by weight of rubher, and one part of sulphur, when such composition is made preparatory to the running of the heat through the several grades of time and temperature as set forth in the specific tion. I also claim equalizing the temperature in the heat-ing apparatus by mechanical means or by a current of steam, orits equivalent, in the manner set forth.

BED BOTTOM-W. H. Elliot, of Plattsburg, N. Y. : I am aware that bed have been constructed with springs, slats, and flexible strap, therefore I do not claim them or any of them independent of other de-vices, or of the peculiar arrangement set forth. But I claim the combination and arrangement af braces, d', flexible strap, e, slats, d and c, and springs, b, whether the said braces, d', reach from one cutside slat to the other, or only to some of the intermediate slats, and whether said braces are stached to the upper or lower side of slats, d, &c., as and for the purpose specified.

HINGES-W. H. Elliott, of Plattsburg, N. Y.: I claim combining with the table hinge, a portion of the rule joint, as specified.

HARWAFTER-M. E. Ellsworth, of Hudson, Ohio : I claim the described manner of attaching the seat to the gear plank by means of the rode, M N, or their equiv-aleots, having a pin or hinge point both upon the gear plank and footboard in combination with the rode, O and P, or their equivalents, which connect the foot-board, C, directly with the reach board, E, all operat-ing in the manner and for the purpose set forth.

APPARATUS FOR TANNING HIMES-L. C. England, of Owego, N. Y. : I claim the described improvement in the art of tanning—that is to say, causing the liquore to circulate among hides, whier are kept in fixed posi-tions, for the purposes and substantially in the manner setforth,

setforth, SEED PLANTERS-IL C. Fairchild, of Brooklyn, Pa. : I am aware that seed distributing devices formed of movable and stationary plates or slides, and a cut-off similar to the device herein described, have been used, but I am not aware that a distributing device bas been arranged with a rotating or semi-rotating seed box and plunger, so that the distributing of the seed, and the operating of the plunger, could be effected by rotating the seed-box. I do ac' claim, therefore, broadly and separately, the distributing device; but I claim the rotating or semi-rotating seed-box, A, provided with the cylindrical case, B, fitted within the case, C, in connection with the plunger, c, connected with and operated by the movement of case, C, and the seed distributing device formed of the perforated bottoms, d, of the cases, B C, and the cut-off, I, the whole being arranged for joint action, substantially as and for the purpose set forth.

[This invention consists in having the lower end of the seed-box fitted within a stationary cylinder, to which a plunger and case are attached, the seed-box

being allowed to rotate, and by its movements distribute the seed and operats the plunger.]

CULTIVATORS N. Fraser & A. J. McLellan, of La-porte, Ind.: We claim the arrangement of the fender, D, attached to the shovel standards, D. the shoves, E, and the wheels, A, on the vertical shafts, as the whole being arranged for joint operation as set forth and de-scribed.

scribed. SEWING MACHINES—James E. A. Gibbs, of Millpoint, ya.; I claim so constructing and combining or ar-ranging and operating a revolving hook or looper with a rediprocating needle, as that the one loop shall be taken from the needle after the former loop shall have been drawn up on along or over the needle during its advance movement, in the manner and for the purpose substantially as described. I also claim the conical sleeve or its equivalent for holding the spool and for revolving therewith, in com-bination with the adjustable conce, F and G, or their equivalents, for producing the requisite degree of fric-tion upon the conical sleeve spool holder, when con-structed and arranged so as to operate substantially in the manner and for the purpose set forth.

LOCOMOTIVE STEAM ENGINES-John C. Hagan, of Nashville, Tenn.: I claim, first, Arranging the cylin-der of a steam engine substantially as described, or in an equivalent manner, so that it is free to move at right angles to the motion of its piston rod, and in a plane parallel with the plane of motion of the cranks connected with the science of motion of the cranks

plane parallel with the plane of motion of the cranks connected with the rod. Second, in combination with the cylinder of a steam, cngine, arranged so that it is free to vibrate, I claim connecting each end of the piston rod with the crank of a driver, and giving motion to both drivers in the same direction, without the interposition of connecting librate

of a driver, and giving motion to both driver in the same direction, without the interposition of connecting links. Third, Giving to the cylinder of a steam engine a positive reciprocating motion, by combining therewith a secondary engine, or any equivalent mechanical de-vice arranged so as to support and move the cylinder in a plane parallel with the plane of motion of the cranks connected with its piston rods, and in right angles to the line of motion of the piston rod. Fourth, Supporting the main cylinder in the guides in which it vibrates, by means of trunning arranged as described, so that the cylinder may actommodate itself to the axles of the drivers on an uneven track. Fifth, Connecting the slide valves of the secondary engine with the quadrant block of the expansion gear of the main engine, by which means the motion and the chances in the valves of both engines are uniform and simultaneous. Sixth, The combination of the slotted link (P L), the cam block, F, the pump hand gear, or any mechanical equivalents, whereby not only can the length of stroke of the pump be varied during the motion of the engine is at rest, as described. Sventh. Combination of the sliding steam pipes

at rest, as described. Seventh, Combination of the sliding steam pipes with the main driving cylinder, arranged substantially

TRABERATING INSTRUMENTS-George B. Hicks, of Cleveland, Ohio: I claim the described devices or their equivalents, by means of which, two armature levers, one of which is upon the receiving instrument, and the other upon the receiving instrument, are moved simultaneously, as seen in figures 4 and 6, in order to render it impossible for any portion of the current from M2 or N2 to pass through the magnets M M or N N, figures 2 and 5, except when required to change the position of lever, G, G'. I claim the described arrangement for so connecting a circuit through the armature levers of the receiving a circuit through the armature levers of the receiving a circuit through the armature levers of the receiving (G, figures 2 and 5, or the purpose of enabling the oper-ntor, and thereby changing the position of the lever, G G, figures 2 and 5, for the purpose of enabling the ope-rator upon two distant circuits to transmit intelligence from one circuit to the other without the aid ot an in-termediate operator, by the masnes and in the manner apecified. ... claim the employment of the devices named or

I claim the employment of the devices named or I claim the employment of the devices named or their equivalents, whereby a current from the battery, a may be diverted from one magnet, M M, to another, N N, as set forth by means of the arm, I, (upon the lever, G G, figures 2 and 5.) striking upon Z Z', as the lever, G G', is depresed at X or X.

SmP's WINDLASS-Peter H. Jackson, of New York, N.Y.: I claim the bit, 1, taking the end of the shatt, b, as specified, when combined with the brace, n, block, o, and key, i, or their equivalents, substantially as and for the purposes set forth.

CABLE STOPPEN-Peter H. Jackson, of New York, M. Y.: I do not claim a hinged chain stopper, as this has before been used, but. I claim the combination of the cam lever or levers, g, with the hinged pall, e, in the manner and for the purposes substantially as specified.

HANGING WINDOW SASE-Ross Johnson, of Frede-rick, Md.: I claim side boxes, G G, constructed on the face of the jamb, a, and arranged in front and at right angles to the face of the sash, in combination with narrow, oblong weights, D D, and with pulleys, E F, arranged in a manner adapted for the use of side boxes, and fat weights, substantially as and for the purposes set forth.

SEED PLANTERS-E. W. Kimball, of Ottawa, Ill.: I claim the blide B. placed within the box or case, A. per-forated at D. and provided with the calless band, c. and the seed cap, D. attached, in connection with the classic or yielding plate, c. and rest plate or ruled, f. placed at the lower end of the box or case. It being understood that I do not claim separately auy of the parts, but the whole combined and arranged, as and for the purpose set forth.

[The object of this invention is to obtain, by the employment of a very few parts judiciously arranged, an efficienthand seed planter-one that may be readily manipulated, economically constructed, and not liable to get out, of repair. The invention consists in placing a reciprocating hand slide within a proper case, and having an endless band provided with a seed cup, the slide dividing the case into two parts, and having an opening made in it to allow the seed to pass through.]

BATING APPARATUS—Frederick Kraemer, of Brook-lyn, N. Y.: I claim the tub, A, constructed of two semi-cylindrical portnons, a, b, connected together as shown in connection with the steps, c, supply cocks, h, h, and discharge valves, B, the whole forming a new and improved article or apparatus for the sur-pose specified.

The object of this invention is to obtain within reanable dimensions a bathing device whereby a complete bath may be taken, or the body entirely immersed equally as well as in a large bathing house. The invention is designed to be used in private houses, and to be a portable affair, that may be moved from place to place with facility and fitted up as occasion may require.]

MACHINES FOR CLEANING WHEAT-Jesse Lantz & John Russell, of Wheeling, Va.: First, We claim the additional air tube or arrch, F. in connection with the air tube or arch, E, for the purpose of receiving the wheat through an aperture in pipe, F, above the hop-per, V, and from the hopper, G, as described. Second, We claim the adjustable reeded rubber, o, combined with the finange rubber, is, constructed and operating, as and for the purposes described.

operating, as and for the purposes described. BOGE DELLA-William Lewis, of Harrisburgh, Pa, : I claim, first, The combination of the pecultarity con-structed lifting jaw, c, with the peculiarly constructed vibrating flexible frame, D, a, and inclined planes, E, E', whether operated by a lever or other mechanical device, substantially as set forth. Second, The peculiarly constructed vibrating flexible frame, D, a, for holding the lifters together, and shift-ing them out of the way alternately, substantially as set forth. Third, The united use of the lever, E, and strap, b, for operating on the lifting jaw, c, incline plane, E'', for turning the bar, B, and flexible vibrating frame, D, a, for throwing the jaw out of gear with the drill bar, B, substantially as and for the purposes specified.

MACHINE FOR COBING AND QUARTERING APPLES Charles Lounsberry, Jr., of Nichols, N. Y.: I am aware that the knife with a handle attached has been opera-ted before now by hand, and therefore G on ot claim it. I claim the combination and arrangement of the knife with the movable step, i, i, the standard, a, with its attachment, d, the cup, h, h. and spring, s, being substantially made as described and for the purpose set torta.

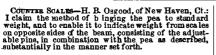
AFTARATUS FOR GENERATING GAS—Henry Lyles, of Washington, D.C. : I do not claim any of the members of this apparatus singly or individually. But I claim the peculiar' arrangement of the perfor-ated chamber, A, as constructed with the retort, a, gage cock, c, stop cock, g, and siphon pipe, f, when they are constructed, combined and operated in the manner and for the purpose specified.

REFORTS FOR DISTILLING OILS FROM COAL-John McCue ud W. B. McCue, of Freeport, Pa. : We are aware that there is a retort patented by Alter & Hill, which revolves continuously. We are also aware of Gengember's patent, but both of these we disclaim, as our retort obviates difficulties which both of these pat-ents are subject to.

Scientific American.

	the European patents secured to American procured through our Agency.	citizens are cam or eccentric which controls the action of the tools all substantially as specified.	as described, for the purpose of admitting steam to the cylinder.	But we claim, first, The employment of the connect- ing pipe, C, located in the retort, B, in other than a
	Inventors will do well to bear in mind that law does not limit the issue of patents to inve one can take out a patent there.		do not claim the employment or use of folding or ex-	central position, whereby we are enabled to conduct off the oleasinous products of the coal, while the said re- tort purtially revolves backward and forward on its
	Circulars of information concerning the pu to be pursued in obtaining patents through a thie requirements of the Patent Office, &c., gratis upon application at the principal offi-	our Agency, tions are secured to vertical supports, and which also may be had enables said sections to be securely combined with Par- tition studs without the aid of nails, serews or bolts.	ment shown and described, but. I claim the radical arms, so jointed or pivoted to hubs that they will be supported by the joints or stach.	axis as is fully set forth. Second, We claim providing the retort, B, with the longitudinal ribs, d d, for the purpose of agitating the coal, and preventing itseliding, when the retort turns as is fully described.
	of the branches. Communications and remittances should h to No. 138 Fulton streets, N	NY, of New York City · I claim arranging a safety guard	series may be folded up separately, and the whole be	MACHINES FOR FANNING AND ASSORTING GRAIN-R. Nutting, of Randolph, Vt. : I claim, first, The arrange- ment of the screens for separating and assorting, sub-
3	The annexed letter from the late Com Patents we commend to the perusal of all terested in obtaining patents :	relation to the lock or locks, and the fastening bolts missioner of persons in- proper postion on a locked door, will cause the said	APPARATUS FOR HEATING AND COOLING AIE, TO BE USED AS A MOTIVE POWER-W. Hidden & J. Reeves, of New York, N. Y.: We claim, Heating air in one sco-	stantially as described, when so combined with shoes, frames and motive arrangement, that the grain, seeds, beans, &c., are required to pass over them in a sliding or rolling manner, and not caused or sllowed to drop on their surface or full thereupon vertically, or so as to
6	MRSSES. MUNN & CO I take pleasure in a while I held the office of Commissioner MORE THAN ORS-FOURTH OF ALL THE BUSIN OFFICE CAME CHOOSEN YOUR HANDS. I have m	of Patents, ed position from the moment that the lock bolts ceaso IZES OF THE to exert a retaining action on the said fastening bolts.	same time condensing the exhausted air from the en- gine in another section of the same cylinder, and at in-	strike an aperture end wise first, constructed and oper- ating substantially as act forth. Second, The hold-fast, substantially as described and for the purposes set forth.
	the public confidence thus indicated has be served, as I have always onserved, in all course with the Office, a marked degree of i set all, and fidelity to the interests of your en	APPLTING BRAKES TO HAND TRUOKS-C. L. Daboll promptness, of New London, Conn. : I claim the application of the uphovers.	reciprocating the cylinder so as to alternately have the nppersection occupy the place of the lower section in a tank of water, and the lower section to occupy the place of the upper one in proper relation to a furnace	Third, Pie extra-screens box, substantially as de- scribed and for the purposes set forth, in combination with the drawers. Fourth. The percussion bar, substantia
	Yours, very truly, CHAS.	MASON. for the purposes set forth.	Iffine, substautially as and for the purposes set forth.	scribed and for the purposes mentioned.
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Scientific American.



substantially in the manner set forth. ESCAPENTENT FOR TIMENENTERE—E. Paulus, of Phila-delphia, Pa.: I claim the modification of the duplex escape wheel in suppressing the upright row of cogs, the manner of giving the impulse directly by it with a pin jewel set in the main roller mountedon the balance axis ; the detent with its fork, toothed for gearing with the pinion of the resting cylinder, and its particular ar-rangenent on the escape wheel axis ; the arrangement of the resting cylinder with its pinion; the particular isposition of the lifting roller acting in the fork; the new and more solid arrangement to hold the escape-ment without bridges, but with simple pillars support-ing two small plates secured with pine or server, the whole constructed and operating as described, consti-tute a new escapement, which I introduce under the name of "Paulus es apement."

BARE OVENS--WM. Pettet, of New York City: I claim, first, The arrangement and construction of an oven with two furnaces, the one being located on the exterior and the other on the interior of the oven, each communicating with the same series of flues, so that either one may be used at pleasure, whereby the heat may be retained within the oven, or diffused through the spartment, substanking uss set forth. Second, I claim so constructing the interior of the described oven and its flues, that the entire lining may be removed, for the purpose of clearing the flues and re-placed, substantially as described.

PRINTING INK ROLLERG-Elisha Prait, of Salem, Mass: I claim the employment of an alkali in the manufacture of inking rollers, in the manner and for the purpose substantially as set forth. I also claim the use of rosin oil, rosin and shellac, in combination with the other materials employed in the manner set forth, for the purpose s ecified.

REPEATING FIRE-ARM-Franklin B. Prindle, of New ven. Conn. : I am aware that many pistols, &c. cocked by pulling the trigger, and that the charge been carried to the rear end of the barrel by pull

are cocked by juning the trigger, and that the charge has been carried to the rear end of the barrel by pull-ing a separate trigger, and that a tube has been used to contain the charges, and a spring to force them to the rear end of the tube. And that pistols, &c., have been charged and dis-charged by the same trigger—as is seen in the patent issued to Lewis Jennings, December 55th, 1840—and that two charge tubes have been used under the barrel —as is seen in the splication of Frederick Newbury, rejectedAod withdrawn, February, 1856. I therefore do not chaim either of these, as such, as my invention. But I claim the use of two charge tubes (one of which to contain the balls, and the other the cartridges), in combination with the two chargers and ramrod, when constructed, arranged, and made to receive the charge gen, substantially as set forth. Second, I claim the combination of the hammer and sectors with the chargers and ramrod (so that I may charge, cok, and fire by simply pulling the trigger), when the whole is constructed, arranged, and made to operate substantially as described, _ HAY ELWYATOB—E. M. Rees, of Norristown, Pa.:

operate substantially as described, HAY ELEVATORS—E. M. Reea, of Norristown, Pa. : Ido not desire to claim broadly the locking of the frame to and releasing it from an elevating rod, as such a device is described and claimed in the patent granted to T. T. Jarret, May 30, 1854. Neither do I desire to claim broadly a spring latch for releasing and retaining the frame. But I claim the plate, G, with its spring bolt, F, and rod, H, in combination with the forked rod, D, with its upper end bent, as described, and its projection, f, when the several parts are constructed and arranged with respect to each other. and to the frame, substan-tially in the manner set forth.

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the pressure of steam from a full open port, as set forth. SEZDING MACHINES—T. R. Richmond, of Masillon, Ohio: I am aware that perforated seed alides are an old device, and have been used in various ways, but I am not aware that a series of slides have been used in connection with perforated caps and plates, so arranged as to discharge continuous streams of seed. I do not claim separately, therefore, the employment or use of perforated seed elides, but, I claim the reciprocating slides, I, operated as shown, in combination with the cape, K, and plates, I', the above parts being perforated, and arranged substantial ly as and for the purpose set forth.

[This invention relates to that class of seeding ma chines which are designed for sowing seed broadcast, and consists in a novel distributing device, whereby the seed is dropped or discharged from the seed box in a continuousstream, and by a very simple arrangement of means.]

of means.] HARROWS—Jeremiah Routh & Abel Vaughn, of Gray-ville, III.: We are aware that various harrows have been devised in which rotary motion has been given to a horizontal harrowing wheel, by means of a vertical toothed wheel upon a horizontal shaft; said vertical wheel heing so hung as to take hold of the soil in pass-ing overit, and so geared to the horizontal harrowing wheel as to give it a rotary motion by its own rotation. This we do not claim. We claim the combination of the vertical toothed wheel, b, with the horizontal toothed wheels, B B, said wheels being com ected by gearing as described, by which we secure the necessary rotation, without either side draft or dip of the horizontal wheels, as set forth.

as described, and for the purposes set forth. STEAM ENGINES—John J. G. Collins, of Philadelphia, Ps., assignor to himself, William A. Rhodes, and Thos, Drake, of Philadelphia, Pa.: Without claiming broadly the super-heating of steam prior to its admission to the cylinder of a steam engine, I claim combining together for joint action, a cooler, regenerator and steam engine, when the said regenerator is constructed and operated substantially in the manner set forth, and when it is furnished with the device specified, or any equivalent to the same, by means of which it receives a supply of steam from the coolers, retains until it is super-heated, and delivers it to the engine, at intervals re ulated by the movements of the latter. rollers, operated in the manner suscention of the fly motion, in the manner and for the purpose as described, operating in connection with the nipper, 8, substantially as a ceified. 35 STRAM VALVES-William J. Stevens, of New York, Y.Y.: 1 do not claim, broadly, the use of springs to N.Y.: I do not claim, broadly, the use of springs to move valves, and I do not confine myself to the appli-cation of my invention to a system of valves like those

But I claim the slotted lever, F, the T shaped lever, G, and the spring, K, arranged in relation with each other, and with the piston rod and the valve stem, to operate substantially as set forth.

[This invention consists in a certain arrangement of a spring and levers, for giving a sudden movement to the valves, to change the direction of the induction and eduction of the steam to and from the steam cylinder. as the piston of the engine arrives at the end of its stroke.]

MACHINES FOR POUNDING RICE-John Tallon, of New Orleans. La.: I claim the combination of the pounder, P, arms, S, A, cross-head, C, H, connecting rod, C, R, and crank, C, K, constructed and arranged to operate in relation to each other, as shown and described, and for the purposes set forth.

To the purposes set form. FOLDING GRIDHEON--Joseph II. Thomas, of Newark, N. J.: I do not claim the invention of double or fold-ing gridirons, but, I claim the application to a folding gridiron of the hinge joint, formed by the slotted stands, b, b, and the projecting bearings on the ends of the back cross-bar, a, or their equivalents; the jointed handle, e, and slotted standard, i, or their equivalents; the whole forming an adjustable folding gridiron, substantially as de-scribed.

scribed. CEMENT FOR ROOFING PURPORES—Joseph Thompson, of North Wrentham, Mass.: I do not claim any mix-ture of the various kinds of tar and oils, but adaptsuch materials to the inteaded use, being governed in choice by the consideration of price, and confine myself to the modification produced in such mixtures by the use of soluble silicates. I call my solid mixed compound, Thompson's Improved Mastic Roofing, and my fabrics, Thompson's Improved Feit. Neither do I claim the broad ground of a combina-tion of one or more alkaline or earthy silicates, with one or more tarry mattera, but I claim the composition substantially as described, consisting of an alkaline silicate, oil or oils, coal tar. or pitch of coal tar, and maptha (water being added when necessary), such being for the purpose orpur-pages set forth.

pueses set inch. BILLIARD CUSINONS-William K. Winant, of Brook-lyn, N. Y.: I do not claim asteel facing to a billiard cushion, neither do I claim the attaching said strip or facing to the rubber, by causing said rubber, while melted, to flow against, or around said strip of steel; neither do I claim India rubber, or other facing between the steel and the ball, but, I claim the strip, i, of steel or equivalent material, inserted into the crease or incision in the India rub-ber cushion, substantially as and for the purposes spe-cified.

cined. I also claim the metallic bearing bar, c, between the back of the India rubber and the cushion rail, substan-tially as and for the purposes set forth.

tially as and for the purposes set forth. VARLARLE BORING BIT.—William Tucker, of Gloces-ter, R. I.: I am aware that it is not new to make a center bit with a tapering or screw center, made ad-justable is such manner, with respect to the extreme outer edge of its cutter, as to enable the center bit to be capable of boring holes of different dimensions; therefore I do not claim euch, in the abstract, but what I do claim is, the combination of a tapering center point or screw center, d, and an auxiliary cutter, c, ar-ranged on the shank, A. as described, with a main cut-ter, f, app ied to the shank, so as to becapable of being revolved thereon, and fixed in position thereon, by means substantially explained.

means substantially explained. REDUCING WOOD FIBERS TO PAPER PULP-Henry Voelter, of Heidenheim, Wurtemburg, Germany. Pa-tented in Wurtemburg August 29th, 1856: I make no claim in this application, as to the originality of in-vention of using wood pulp for paper making, al-tuough it might be shown that this even emanated from me; nor do I claim broadly the employment of mechanical agents, in combination with water or other suitable liquids, for the purpose of separating and ob-taining the fibres of wood. I also disclaim the various parts and mechanical de-vices constituting my machine when separately consi-dered, and when not combined, as set forth; but I

Vices constituting my meanine when separately consi-dered, and when not combined, as set forth; but I claim. First, The particular arrangement, construction and combination of the machinery, or the mechanical ex-pedients employed, as herein specified, for reducing blocks of wood, or producing wood pulp, by feeding them up sutomatically to a rotating grind or milletone, in connection with the peculiar manner of applying rol locating said blocks upon the circumference of the stone, or on a portion of its circumference, by holding them behind each other, in a position and direction es-sentially the same as described and set forth. Second, The employment and the combination of a series of perforated and rotating channels or rezervoirs, all made to operate as set forth, and for the purpose of assorting the fibres when separated from the wood in the modes described, rendering the pulp fit to be formed into paper of different qualities. SERDING MAOHINES—S. R. Weldron. of Winnebago

SEEDING MAOHINES-S. R. Weldron, of Winnebago Station, II.: I claim dividing the hopper, C, into two equal compartments, a, b, and using aslide, F, to gra-duate the opening, a, between them, when the hopper, thus arranged, is used in combination with the rotating seed distributing wheels, K, flap or back board, G, and the double walls, f, g, all arranged to operate as and for the purpose et forth.

This is an improvement in broadcast sowing machines, and the intention is to produce a machine in which the quantity of seed to be sown in a given area shall be regulated. It is a very perfect and good device.]

shall be regulated. It is a very perfect and good device.] BEXHIVES—Thomas H. Windle, of Wagohtown, Pa.: I am aware that beehyses have been made with a moth trap attached, and also with sectiohs of separate bee apartments, arranged together and communicating with each other, and having ventil ating holes therein, sub-stantially as described; therefore, I do not chim, broadly, either of these devices, but, First, I claim the combined arrangement in the moth trap (B) of the tapering moth tubes (11, 11, 11), and the ventilated bee seease tubes (12, 12), when the same are used in combination with the hive, the whole being constructed in the manner and for the purposes set forth and described. Second, I also claim making each of the larger bee apartments (C) with the self-cleaning slide (4), the said slide being conducted as described, and applied in con-nection with the manner and for the purpose set

PRINTING PRESSES—C. Edward Sneider, of New York, N. Y.: I claim, first, The revolving double seg-ment frame, with segments balancing each other, in combination with a rocking type bed, T, operated through the segment frames, substantially as described. Second, I claim the rocking type frame, T, with ec-centric ways, W, attached, working over fixed rollers, in the manner and for the purpose described. Third, I claim the arrangement and the manner of operating the distributing cylinder, E, supported be-tween the segment frames, C, upon the shaft, B, to which the segment frames, C, upon the shaft, B, to upone of distributing the issue time time a side motion or the shaft, and having at the same time a side motion communicated to the said cylinder for the pur-pose of distributing the like upon the inking rollers, as described, in connection with an arrangement of inking rollers, operated in the manner substantially as speci-fied. substantially in the manner and for the purpose set MACHINERY FOR FORMING BATS FOR FELTING—Thos. B. Butler, of Norwalk, Conn., assignor to Lounsberry, Bissell & Co., of Norwalk, aforesaid : I do not claim the rolls. J. G. or F. nor any combination of them, nor the vibration of J and G, nor the process of depositing the silver diagonally upon the roll or apron. But I claim the arrangement of rows of teeth upon the calendar or felting roll, to hold the sliver while the vibration of the rold. G, is changed, and the angle formed substantially as described. I also claim the rods. I, springs. M, pins, P, and cams, R, or their equivalents, arranged and operating as described, and for the purposes set forth. STEAM ENGINER—John J. G. Colling of Delindatable

BUENERS FOR VAFOR LAMPS-Frederick Heidrick, f Philadelphia, Pa., assignor to C. F. Clothier, of hiladelphia, aforesaid: I lay no exclusive claim to he hollow burner, F, the spur, H, or to the introduc-ion of the non-conducting material between the tubes, and B but:

A and B, but; and the main match welf-adjusting washer, I claim the employment of the welf-adjusting washer, I, in connection with the burner, F, butkon, G, and wick tube, D, in the mainner and for the purpose set forth.

Prove-Joseph Jones, of Wilmington, Del., satignor to Edmund Jones and Joseph Jones, Jr., of Wilrithg-ton, aforesaid: I claim the combination of the de-scribed gear and levers, when constructed and arranged for operation conjointly, in the manner as and for the purposes set forth.

TANNING HIDES-Theodor Klemm, of Pfullingen of Centlingen, near Stuttgart, Wurtemberg, Germany, TANNER HERS-Theodor Klemm, of Pfullingen of Rentlingen, near Stutgart, Wurtemberg, Germany, assignorto Edmund Moss, of London, England: I do not wish to be understood as limiting my claim to the use of the special composition of matter herein speci-fied, as the said composition of matter herein speci-fied, as the said composition of matter herein speci-ned, as the said composition of matter herein speci-ned within the range of my invention. What I claim is, the process of treating and imprag-nating hides, skins, and other animal tissues, by alter-nately agitating them in a heated atmosphere or cur-rent of heated air, ani rubbing or smearing them with the substances specified, substantially as and for sho purpose specified.

purpose specified. GAS BETORTE—Alfred Marsh, of Detroit, Mich., assignor to himselt, E. Hall Covell, J. Q. Dudley, and Robert Holmes, of Detroit, aforesaid: 1 do not claim the retort only as in connection with my arrangement, not do I claim the mode of introducing the gas-making material into the retort asset forth, nor the exit of the gas as decribed, nor the conducting the fumes from a retort by a pipe, only in commection with my arrange-ment as described; but. I claim, in the construction of apparatus for the man-ufacturing of gas from resin or oils, the siral column resting on feet with the flue through the center; a ma also the apertures between the threads of the spiral column in combination with the case, in the manner and for the purposes substantially as set forth.

CULTIVATORS-Robert Sawyer, of Wales, Me., assign-or to William G. Brown, of Monmouth, Me.: I do not claim the common cultivator, as made with one or more series of small double plow sharcs, applied to adjust-able bars or supports, connected with a plow beam; but

able Date of supported the second state of the second state st

COOKING STOVES-John L. Stewart, of Nashville, Tenn., assignor to Randolph A. Nathurst, of Nashville, aforesaid: I do not claim the placing of an oven over the fireplace of a stoves. for such an arrangement may

seen in many cook stoves, but, I claim in connection with the sunken recesses, d, the use of fueso r parsages, d, e, f, substantially as and for the purposesset forth.

[The object of this invention is to prevent the escap of the products of combustion, smoke, gas, &c., from cook stoves when in use, an object not hitherto at-tained, on account of the exposure of the fire while cooking vessels were being adjusted in and removed from the holes in the top plates.]

from the holes in the top plates.] FOLDING PAPER-John North, of Middletown, Conn., assignor to American Book and Paper Folding Compa-ny, assignor to Anson Hardy, assignor to Steuben T. Bacon, of Boston, Mass.: I claim plucing the sheet di-rect in register upon the knift to receive its first fold, in the manner and for the purpose above described. Second, Folding paper by means of a straight edge or knift and reciprocating rollers. Third, Hansing the frame, m, m, with reciprocating rollers and folding knift, E, attached, to move and re-ciprocate in the arc of a circle. Fourth, Causing the rollers to rotate and change their motion alternated of the purpose specified. Fifth, Cutting off the inset for the I2-mo folding, at the same time it is being folded.

PHERARING FRAMES FOR GUILDING-James W. Camp-bell, of New York, N. Y.: I do not claim the lathe, G. for this is a well-known device, and in common use for turning oval and dircular frames; but, I claim the inclined lathe, C, in combination with the inclined tool, F, when said tool is arranged substan-tially as shown, so as to be rendered capable of being adjusted to the frame, D, by the treadle frame, G, and at the same time allowed a lateral movement of the frame due to an imperfect centering of the same on the plate, b, of the lathe, for the purpose specified.

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KNIFE POLISHERS-W. H. Horstman, of New-York, N.Y., assignce of Rheuben Shaler, of Madison, Conn. Dated Nov. 28, 1848: I claim the combination of the hopper, B, polishing surface. C, and D, and spring, E, or their equivalents, substantially in the manner and for the pnrposes set forth.

PRINTING PHESS-Geo. P. Gordon, of New-York, N. Y. Dated Jan 1, 1865: I claim First, The arrangement and combination of a rotating disc, W, with an annular ring or outside disc. X. the two revolving each in an opposite direction to the other, for the purpose of breaking up the ink. so that it shall by such contrary motions become evenly dis-tributed, and thus imparted to the rollers which ink the form of types. Second, I claim moving the rollers, T. "one or more being used" for laking the form, from the par-allel position they necessarily assume for this purpose, changing to an oblique position which shall give to them a lateral motion, when in contact with the dis-tributing disca, or some equivalent, for the purpose openified.

tributing discs, or some equivalent, for the purpose specified. Third, I claim the arrangement of a form hed, which strantely varies its motion during its reciprocating movement; viz. if not traveling under and in contact with a cylinder, and remaining withdrawn form contact with the cylinder, and remaining mithdrawn during the removement, to prevent an impression, such bed reciprocating and at the same time alternating from one of these positions to the other; thus performing twoseparate and distinct motions, entirely independent of, and in contrary direction to each other, while remaining in gear with the cylinder, when hall be used with a cylinder of the quildent having a part revolution with a reciprocating movement. having a part revolution with a reciprocating move-ment. Fourth, I claim attaching to the reciprocating form or type bed, an adjustable rack, as well as a stationary rack, which two racks shall play into gear, upon a cyl-inder or segment of a cylinder, so that any and all wear or variation, may at o noce be taken up by adjusting the movable rack, and by this means always cause the bed and cylinder or segment of a cylinder to work in har-mony with each other and produce a clear and shar impression free from slur. Pifth, I do not claim placing a reciprocating bed in a vertical position, or any given angle from a horizon-tal position. But I claim so placing the bed when used with a rotating reciprocating cylinder or segment of a cylinder, which shall place or pile the sheets of printed paper upon the fly-board as set forth and described.

CorFEE Pors.—Charles B. Waite & Joseph W. Sener, of Frederickburg, Va. Dated April 23, 1865: We do not claim a condensing boiler, but we slaim the ar-rangement described whereby the steam from the boiler is discharged into the water in the condenser, which absorbs the aroma, in combination with the syptem for feturning the contents of the condenser into the boiler, substantially as set forth.

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the boiler, substantially as set forth. SUBFAON CONDENSEE FOE STEAM ENGINES-J. P. Pirsson, of New York City. Dated April 3, 1850 : I claim, first, So carlosing the condensing surfaces of a surface condenser, within a tank which is constructed to be ears bile of actin g as a jet condenser, that when the said surface condenser, sum be had to the jet con-denser, whereby condensation may be continued and the vacuum maintained, substantially as set forth. Second, The combination of a surface condenser with a box or case, in such manner that the condensa-tion of the steam shall be effected therein, without sub-jecting the said surface condenser to atmospheric pres-sure, substantially in the manner described. Third, The aperture, w, or itse quivalent, for main-taining the racture, and as a passage for any steam which may remain uncondensed in the radiating con-denser, as set forth. Tourth, Connecting the evaporator with the cham-ber, h, substantially in the manner described, whereby the saturated water can be drawn off from the bottom of the evaporator. DESIGNS.

DESIGNS. PRINTERS' TYPES-George Bruce, of New York, N. Y.

DOOR LOOK PLATES-Cornelius B. Erwin, of New Britain, Conn. Two cases.

DOOR LOOK PLATES-Henry E. Russell, of New Bri-tain, Conn.

BOX STOVES-N. S. Vedder & Henry Riply, of Troy, N. Y., (alsignor to N. S. Vedder, of Troy, a foresaid).

COOKING STOVES-N. S. Vedder, of Troy, N. Y. PARLOR STOVES-N. S. Vedder, of Troy, N. Y. Two

..... Ovsters and Star Fish.

The July number of the North American Review says, in reference to the havoc made among the oysters by the star fish in the harbor of New York and its vicinity, that the loss has been estimated at many thousands of dollars, and the proprietors of oyster beds have petitioned the State to remit the tax upon them, asserting that unless some way is found to check the ravages of these animals, the oyster is in danger of becoming extinct in many localities where they are now abundant. The ancients believed that the star fish cunningly inserted one of its rays between the valves, and thus gradually destroyed its victim; but modern observation has determined that its mode of attack is very different. If the oyster is a large bivalve (one that would make the mouth of a crustacean epicure water), four or five asteriæ attach themselves to it, and waiting patiently until the mollusk opens his shell, intrude between the valves their stomachs, which first, for a greater convenience, they turn inside out. A liquid is supposed to be secreted by the stomach which acts as an opiate upon the oyster, who no tonger possesses the power to close his doors against the intruder, and thus becomes an easy prey to these burglars of the deep. It is to be hoped that the true lover of the delicious oyster, particularly those who are accustomed to study the radiata of the aquarium, will devise some plan to enable the bivalve to retain peaceful possession of his own house until he is forcibly ejected for the benefit of the lords of creation.

VACCINATION .- Too much importance cannot be attached to this great specific against smallpox. In one district in England (so says one of its journals), out of 1,536 deaths 419 have arisen from this terrible disease, a circumstance which requires great and immediate attention; for the large percentage of deaths above alluded to are but a portion which take place in this country annually : and it is to be feared that, if proper means are not taken, the number which is at present so large will soon be increased.

BLACK TONGUE.—A correspondent residing at Howell, Mich., informs us that a disease called the "black tongue" is prevailing in that section, and also that he has noticed that a similar disease is attacking the cattle in the southern States. He says his own experience is that not one in ten of the animals will die if they are permitted to chew coarse salt-the coarser the better. This is a harmless remedy, and should be tried.

TURNING AND SLIDING TABLES FOR RAILBOADS-William Sellers, of Philadelphia, Pa. Dated March 23, 1858: I claim interposing the central part or box between the ends of the truss rail beams in such man-ner as to make use of the width of said central part or box, as a portion of the length of said beams, substan-tially as described. When the said beams and central box are so constructed and connected, as to form a ta-ble entirely supported f on the central part or box, substantially as described.

A GOOD map of the Submarine Telegraph between America and Europe, well colored, and the Arctic's soundings attached, is sold by McKee & Stillwell, 89 Nassau street, New York. Price 10 cents.

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