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[Reported Officially for the Scientific American.] LIST OF PATENT CLAIMS

Issued from he United States Patent Office.

FOR THE WEEK ENDING FEBRUARY 13, 1855.

CLOVER HULLERS-James Allen, of Trease's Store, Ohio:

CLOYER HULLERS-James Allen, of Irresse's Store, Ohio: I do not claim adjustable tall-boards, in separators, nor in-clinedguide boards for receiving and conducting the seeds to their receptacle; nor do I claim as tailing screen, exceptun-per an arrangement like that set forth. But I claim the arrangement of the two tail-boards, d d, in combination with the tailing screen, L, so arranged un-der the inclined boards, K, that it shall be out of the way of the black may be deliver the seed at M, into the main recep-tacle, and the tailings ont at its side through the aperture, b, it being understood that the outer and inner tail-boards must be adjusted, respectively, with reference to the screens, I and J, all as set forth.

MACHINES FOR CHOPPING MEAT AND OTHER SUBSTAN CES-WID, H. Allen, of Lowell. Mass. I do notelsimithe MACHINES FOR CHOPPING MEAT AND OTHER OUTLAND OES-WM. H. Allen, of Lowell, Mass. : I do notclaim the use of chopping knives on vertical sliding heads playing upon a block or receptacle. Nor do I claim the cam acting upon a circulaa corrugated disk as a means of combining the lifting motion with a gradual rotary one, this having been done before in machines for drilling rocks. But I claim the forming a machine for chopping meatand other similar substances, by attaching the chopping knives, H H H H, to a central rotary spindle, F, when this is oper-ated by the combination of the cam, M, and corrugaleddisk, est described.

-T. D. Aylsworth, of Frankfort, N. Y. : I HOP FRAMES-o not claim the

HOP FRAMES-T, D. A Sylsworth, of Frankfort, N. Y.: 1 do not claim the training of hop or other vines on wires or cords, as this has been done before. But I claim, in combination with the permanently arrang-ed supporting cord or wire, C, the training cords or wires, D, leading from the ground to said supporting wire and con-nected thereto by a spring hook, or its equivalent, so as to be readily connected to or detached from the supporting wire, for the purpese and in the manner set forth. I also claim in cora suation with the training cord, D, the inverted cup, d, for turning down the top of the wire, and preventing if from entering the supporting wire, substantial-ity as set forth.

LIFE BOAT-Hiram Berdan, of New York City: I do not claim of themsolves either the hinged or pivoted ribs, orthe hinged gunwale bars. But I claim the method described of kceping the gunwale bars. E E, in place when the boat is extended for service by unis, L E, in place when the boat is extended for service by means of the notches, e e, which are made in the ribs, F F, to receive the said gunwale bars.

COTTON GINS-Henry Clark, of Newport, Fla.: I do not claim simply rollers for gipping cotton : nor do I claim the

claim simply rollers for ginning cotton; nor do I claim the spiral grooved roller tor that purpose, as it is contemplated to use the large roller without any groove; nor do I claim the comb simply. But I claim the combtnation of a large ginning roller, either smooth or grooved, with a very small one, the latter driven and supported, as described, by the friction rollers and the large ginning roller, together with one or morestrip-ing rollers and comb, for the purpose of removing cotton seed from the fiber, substantially as arranged and described.

CHURNS-E. B. Clement, of Barnet, Vt. : I claim the fold-ing dasher, operating as set forth.

THRASHERS AND CLEANERS OF GRAIN-George Da of Philadelphia, Pa.: I do not claim a skeleton evi of Philadelphia, Ta.: I do not claim a skeleton cylinder, nor inclined planes, nor a blower case containing a fan at-tached to thrashers and cleaners, irrespective of the pecu-liar construction of each, as described ; nor do I claim plac-ing a fan upon the shaft of a beating cylinder, as this com-bination has been known and used before. But I claim, first, a skeleton cylinder in combination with a cast fron bed plate, constructed as, and for the purposes specified.

Second, I claim the four inclined planes, G, placed in re-tion to each other, as described, each at an angle of about lation to each other, as described, each at an angle of about 45 degs., as described, and so as to leave an oblong opening between them for the pa sage of the grain and chaft to the receiving box, substantially as and for the purposes de

scribed. Third, I claim the blower case, 12, the receiving box, C, with its inclined plane, f, at its end, arranged and combined on the outside of the box, or body of the machine, substan-tially as and for the purpose specified.

STAYS FOR ARTICLES OF DRESS-John Dick, of New York City: I claim the described improvement in stays, as applied to articles of wearing apparel, consisting of two or mere supporting pieces with a spring or springs applied to extend them, substability as set forth.

WHARF BOATS-H. T. Dexter, of Zanesville, Ohio: I claim so constructing a wharf boat, so that a turn-able may be conveniently located therein, upon which a dray may be driven and turned around, and so that freight may be de-livered or received from any part of the boat without much handling, substantially as described.

PLOWS-George Esterly, of Heart Prairie, Wis.: I am swate that a tiandard has been cast with wings to support the shares and mold back of the shares and mold back and shares and mold back of the shared ard, G, with raised portions, A, land side, H, and form lay, K, all in one piece, to beem-ployed either with or without projection B, as set forth.

SMOKE CONSUMING STOVE-James Easterly, of Albany, N. Y. : I do not claim the use of a fuel magazine, nor of a downward drait for the fire, neither being novel arrangements in stoves. But I claim the constructing a stove, as described, with openings for the admission of air to the burning fuel, at

spenness for the admission of air to the burning fuel, at some point or points above the grate, including between said points and the grate sufficient fuel for ignition at any one time.

time. CRACEER MACHINES—Phineas Emmons, of New York Ciy: 1 claim the revolving intermittent bed plates, opera-ted by means of an eccentric on a diving shaft, and the connecting rod, lever, pawls, and notched wheel, incombi-nation; and this I claim, whether the said intermittentbed plate be or be not combined with the endless barrelsurround ing it, for the purpose of conveying away the crackers, sub-stautially as set forth, it being understood that I do not claim, in general, themaking of the machine, so as to con-vey the dough beneat the cutters, with an intermittentamo-tion that having been before done in other machines by passing the dough upon an endless band carried with an in-termittent motion over a fixed table upon which the cutters work.

WEATHER STRIPS FOR DOORS-Alonzo Hitchcock, of Chicago, Ill. : I do not claim the V-shaped groove, nor the hinged weather strip, nor the listing, as described, as they have been used before. But I claim the peculiar form of the elevated surface or plane, E, in combination with the V-shaped groove, weather strip, and listing, substantially as set forth.

SEWING MACHINES-G. H. & B. H. Horn, of Brooklyn, N. Y. : We are aware that sewing has been effected by two threads, the one being carried by a shutle, the other by the needle ; therefore we do not claim the same, and we are aware that in stitch has been pulled tight by the motion of the needle in the same refer

needle; therefore we do not claim the Same, and we are sware that the sitch has been pulled tight by the motion of the needle and needle carrier. And we do not claim the shuttle, but we are not aware that forceps have ever been used to pass through the loop of the loop and preventing tangling; nor do we know that the shuttle has been drawn through a loop by means of an eye on the end, thereby avoiding all liability of the shuttle not passing into the loop, and where the shuttle is forced through the loop as the needle draws up, its thread has to pass be tween the rear end of the shuttle, and the part has fored the shuttle forward, which is liableto break the thread. We claim, first, a hollow needle with an eye in the side to pass the thread, as specified. Second, we claim opening the loop by means of forceps, thereby insuring that the loop is properly opened and avoid-ing tangling of the thread, as specified. Third, we claim drawing the shuttle through the loop by means of the eye, o, or its equivalent on the end of said shuttle, as specified, thereby avoiding the risk of breaking the loop when the shuttle is forced through the same, as specified. Super'S STANDING ENGING—Frederic Howes of Varmouth

SHIPS' STANDING RIGGING-Frederic Howes, of Yarmouth Sonra Standing high a better a frederic howes of failudual Port, Mass. I claim forming the shroud and back stays or other standing rigging in one conth nous piece, and con-ducting the rope of which they are formed, alternately, through proper guides aloft and guides at the channels or chain plates, as set forth.

METHOD OF TEACHING PENMANSHIP—Wm. S. MacLaur-in, of New York City: I claim the employmena of figures such as described, marked on or formed in the surface of a tablet, slate or ether surface, for the purpose of aiding the hand in guiding the point of a pen, pencil, or stylus, in re-tracing therewith the lines of the said figures an indefinite number of times, as described, to train the hands of pupils in teaching them the art of writing.

LEATHER SPLITTING MACHINES-M. H. Merriam. of Chel-ea. Mass., and J. B. Crosby, of Stoneham, Mass. : We claim, LEATHER SPLITING MACHINES-M. H. Merriam. of Chel-sea, Mass., and J. B. Crosby, of Stoneham, Mass. : We claim, first, the disk cutter having a simultaneous rotary and re ciprocating movement as applied to machines for splitting leather and other analogous purposes. Second, we do not claim the broad device of constructing a drait rolier, so that itshall have a greater circumferential velocity in one part than in another. But we claim constructing the draft roller, o, so that its increased circumferential velocity may be made to act more or lessefficient, as desired, substantially in the manner de scribed.

Scribed. Third, the combination of the apron, L, bed, K, and draft rollers, i and o, when the roller, o is constructed substantial-ly in the manner and for the purpose set forth.

GRASS HARVESTERS-Robert J. Morrison, of Richmond Va., Assignorto himselt and Edwin A. Morrison, of Law-rencevile, Va. : I claim constructing the cutter teeth or blades and teeth, and the guard fingers, of three saveral plates of mesh, all of similar form, and lying closely upon each other, the middle row of teeth being sharpened and Stationary, while the upper and lower ones are vibrated for the purpose of causing whatever slipping there may be in gathering in the stalks to be cut to come upon the fingers mainly, and thus protect the sharp edges of the cutters, as set forth.

LAMP EXTINGUISHERS—Josiah H. Noyes, of Abington, Mass.: I claim attaching the caps or extinguishers to the wick tubes of a lamp by means of rods secured to the said wick tubes, and in such a manner that the caps may befreely moved up and down the said rods, and applied to or removed from the top of the wick tubes, as set forth.

MACHINES FOR SLAUGHTERING HOGS-Jefferson Parker, of Louisville, Ky.: I claim the arrangement of the elevat-ing fingers, d d and the chains, e.e. with the operating lev-ers, and with the scalding vessel, A, and the scraping bench, B, substantially in the manner and for the purpose set forth.

GARDEN RAKES-S. N. & W. F. Stillman, of Leonard-ville, N. Y. : We claim the new manufacture of garden rake described, viz.: a rake having curved metal teeth inserted and fastened into the head as set forth.

BRIDLE BITS-Wm. D. Titus, & Robert W. Fenwick, a brooklyn, N. 1.: We claim the described improvement bits for stopping runa way horses, consisting in the appli-tion of packso arranged and controlled by a rein, that, at pleasure of the rider or driver, they may be made to cl the horse's nostrils, and thereby check respiration, as forth.

Flows—Ira Reynolds, of Republic, Ohio : I am aware that plow points have been constructed with oblique shoul-ders, a corner of which was made to bear somewhat like the shoulders in my plow point. But I claim, first, the laterally extending shoulder, r' r', drawn back against and somewhat between the two shoul-ders, r, in order to hold the point securely in place, and prevent the breaking of the shack, thear the shoulder, in the operation of plowing, substantially as set forth. Second, I claim the arrangement of the within described reversible steel share, as secured to the face of the mold board by means of a serve bolt inserted from the lower side of the temale screw being formed in the steel share, as set forth.

forth. Third, I claim the reversible self-fastening colter. con-structed, secured, and arranged in manner and for the pur-poses set forth.

poses set forth. STEAM VALVES—John Tremper, of Philad elphia, Pa.: First, I claim the valve composed of a ring without ports or passages in its sides, applied substantially as described, within a casing containing a fixed head or cup, b and a passage or passages, 4, Mading from one side to the other of the said fixed head or cup. Second, The guard ring, C, applied substantially as de scribed, either with or without the lip, i, for the purpose of protecting the inlet side or end of the valve against the per-cussive effect of the rush of steam, or other fluid, at the commencement of the stroke of the engine.

HEAD SUPPORTERS FOR RAILROAD CARS-J. N. Wil-liams, of Dubuque, Iowa: I claim the arrangement of head supporters in railroad cars in such a manner that each pair of supporters, by reversing their positions, can be adapted equally well to either one of the two seats nearest it hesaid equally well to either one of the two seats nearest the said supporters, when the said seat has the rear side of its back turned towards the supporters, substantially as set forth. I also claim the combination of the head supporters, c c, the plate, b, the bar, a, and the cord, i, or their equivalents, in such a manner that the supporters can be placed in the proper position for supporting the heads of persons riding on either one of the two seats nearest to said supporters, or turned up and secured to the side of a car, substantially as set forth.

The Way to Build up a State.

Governor Grimes, of Iowa, in his inaugu-

a school of applied sciences. I have no hesitation, therefore, in recommending that a university fund be appropriated to establish a practical scientific or polytechnic school."

New Petrified Bodies.

The Dayton (Ohio) Empire, gives an account of some bodies which were buried some years ago, near that city, having become petrifications. The bodies were the wife and grandchild of G. P. Loy, and were buried on a little knoll on his farm in the Miami Valley. He opened their graves to remove them to his family lot in a new cemetery, when, on coming to the coffin of his first wife, who had been buried twenty-four years before, it was found to be perfect in form, but could not be raised on account of its great weight. It was at last lifted by six men, when its lid was removed, and the body appeared to be perfect. Upon a close examination it was found that the remains would not give way under the pressure of a piece of board which one of the gentlemen placed upon the corpse, and this strange circumstance led to still further investigation.

The shroud, and indeed all the covering which was upon the body at the time of interment, 24 years ago, had disappeared—not a vestige of them remained. The body was perfect, except the right leg, from the knee to the ankle joint, where the flesh seemed to have wasted away, and lay at the bottom of the coffin, in a substance resembling sand, With this exception of decay, the body and limbs exhibited the same perfectness of exterior they did when in life.

The body had become petrified ! It was by some quality of the earth turned into stone of a drab, or, more properly speaking, flesh color.

The grave of the grandchild of Mr. Loy was next entered, and the coffin exhumed. It was also found to be heavy, and when opened the corpse presented much the same appearance as that of Mrs. Loy. It was not as perfect, however, although petrified. The most remarkable thing connected with the remains of the child was, that the hair upon the petrified skull was to all appearance the same as life! The other bodies which were exhumed—one or two in number—were only partially petrified.

There is a petrifaction-that of an Indian -in the British Museum, taken from the Island of Guadaloupe, and said to be the oldest of a human being in the world. In the work of Gliddon and Newton, on the diversity of the human race, this Guadaloupe petrification is spoken of as a most wonderful curiosity, and affording evidence of the great length of time-more than forty thousand years-that the human race has lived upon our continent,-the great length of time required to form the petrification being alleged as a reason for this conclusion, but the facts now brought to light in Ohio shows upon what very slender data they have formed their opinions. It appears to us that we have read of bodies having been found petrified, in other places, a few years after interment, but we cannot lay our hands upon the source of information at present.

How the World was Made.

MESSRS. EDITORS-I would like the privilege of a few remarks on an article headed "Age of the World," on page 165, in which you review an able effort of Rev. John O. Means to reconcile the Genesis' account of creation with the science of geology, &c. The Reverend gentlemen reasons well, no

doubt, but I apprehend, from wrong premises.

There seems to be greater difficulties in the

with this test, they should be received as of very doubtful reliability. It seems to me, therefore, that it is not in keeping with reason and philosophy, to suppose the creation and consequent action of the minor (our earth) before the major and central body (the sun.) Surely the earth is not the principal body for which these great and magnificent systems, which Astronomy reveals to us, were created, and of which our solar system forms but a small part; and then to think our earth forms but an insignificant portion even of that.

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In view of these considerations it seems to me contrary to reason, and the laws and philosophy of motion to suppose the earth created before the sun, moon, and stars.

DAVID PALMER. Batavia, N. Y., Feb. 12, 1855.

[If there were no other planet or body than the earth in the universe, unless it received an impulse, it would neither move off, nor in a straight line, nor require the turtle's back to holditup. Mr. Meansis notwrong in his premises here. But as he is a believer in the nebularhypothesis, his conclusions are somewhat contradictory, because it assumes that the matter of which the earth is composed rotated around that of the sun, as a center, with the matter of the moon, planets, and stars, outside. This dogma is positively regative to the sun or the stars being made after the earth. We must also say, as our correspondent has directed our attention to this question, that Mr. Means has endeavored to give a very wrong and unfair exposition of the plain meaning of the word water. In the Scriptures, describing the second act of creation, it is stated, "God said let there be a firmament in the midst of the waters. and let it divide the waters from the waters," -the waters below from the waters above-'and it was so." In reference to this language Mr. Means says, "if the waters spoken of were matter in a gaseous state, the separation would be the process by which nebulæ were detached from the mass and formed into worlds. No one can affirm that such was not the character of the waters," " the word water is not evidence that it was not gaseous matter."

The word water used here, he assumes. along with Prof. Guyot, means gas-nebula. Now let us take his explanation of the word water, and apply it to the third day's acts in Genesis, and see what a wretched exposition he makes of it.

It would read, "Let the gas, or nebula, under the heaven (thisgas, be it remembered, is the water below, that was separated from the water above) be gathered into one place and let the dry land appear, and it was so; and God called the dry land earth, and the gathering together of the gas, or nebula, called He seas." If Mr. Means and Guyot are correct in their way of explaining these descriptions in Genesis, to prove the nebular hypothesis, their logic leads to the absurd scientific conclusion that the moon is a globe of water.

Our correspondent's reasoning with regard to the sun being the major body of the solar system, and could not be created after the earth : and that the latter was not the principal body for which the sun was made-according to the Genesis account, is very natural, but we do not think it profound. Why should not the sun be created for the earth? If the sun contains no living intelligence (and who believes it does) the earth contains far higher and more elevated ob-

jects of creation. Man was created after our

globe was formed, yet is man not a more

noble work of creation than a dead world?

Scientific American.

SPIRIT LEVELS—Hampton W. Evans, of Philadelphia, Pa. I do not claim the disk ulate or conic center upon which it revolves, as new; but in connection therewith I claim the crescen. shaped sliding or adjustable stops, and spring catch, in combination with the grooved disk and set screws or their mechanical equivalents, the whole being arranged and con-structed in the manner and for the purpose described.

STEAM BOILER CHINNEYS—Ashhel Fairchild, of Ashland, Ohio: I claim connecting the chimney of a steam boiler furnace to the flue connecting viewching means of a cylindrical joint arranged in such a manner that the chimney can be lowered into a horizontal position without producing openings in said joint, and also without closing the connection between the chimney and the furnace flues, substantially as set forth.

MACHINERY FOR FELTING HAT BODIES-Win, Fuzzard, Newark, N. J.: I do not claim the corrugated rollers. C ot Newark, N. J. : I do not claim the corrugated rollers, C C. separately, for they have been previously used, although differently arranged from those described. But I claim the employment or use of the corrugated rollers, C C. placed in a swinging frame, B, in combination with the endless apron, G, the above parts constructed, ar-ranged, and operating in the manner and as shown and de-scribed.

'ROTARY PLOWS-J. W. Hagg and & Geo. Bull, of Bloom-ington, Ill.: We claim the arrangement and combined oper-ation of the plows, II 1, cutters, $J \downarrow J$, and semicircu-la. way, K, substantially as and for the purposes described. . A

ral address, thus describes the wants of the thriving State over which he presides :

"She wants educated farmers and mechanway than the length of days, or "periods," ics, engineers, architects, metallurgists, and and the supply of light. If the earth were geologists. She needs men engaged in the created, as he maintains, three long periods practical duties of life, who have conquered before the sun, moon, and stars, the question their professions, and who are able to impart arises. "did it revolve or remain stationary?" their knowledge to others. She wants farmers who shall be familiar with the principles of chemistry as applied to agriculture; ar- line; if it remained stationary, I can see no chitects and mechanics who will adorn her with edifices worthy of so fair a land : and support it. If reason and philosophy are to be engineers and geologists who will develope | our guides in speculating on these questions, her resources, and thus augment the wealth we should apply them thoroughly to every cal painter, and Chacornad, attached to the and happiness of her citizens. This want theory or hypothesis, whether physical or observatory at Paris-each of these persons

Prizes for Astronomical Discoveries

At a recent sitting of the Paris Academy of Sciences, the prize for astronomy was di-If it revolved, according to the philosophy of vided amongst MM. Luther, belonging to the motion, it must have flown off in a straight observatory of Blik, near Dusseldorf; Marth, attached to Bishop's observatory at London : other alternative but the "turtle's back" to | Hind, belonging to the same observatory; Ferguson, attached to the observatory at Washington; Hermann Goldschmidt, historican only be supplied by the establishment of metaphysical, and if they do not coincide ; having discovered a small planet in 1854.

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