EXTRAORDINARY PROGRESS OF AMERICAN INVENTIONS IN EUROPE.

Patents for the following inventions have recently been secured in England, through the Scientific American Patent Agency, further showing the great and daily increasing progress which American inventions are making in Europe:-

Molding Candles .- Patentees, Henry Ryder and Horatio Leonard, of New Bedford, Mass. This is an im provement in the apparatus for manufacturing caudles, especially those made of paraffine or other substances fiable to adhere to, and to be broken in the operation of drawing from the molds. It consists in the employment of a trough at the top of the molds, of sufficient strength to bear the strain requisite to draw all the candles from the set of molds at once, and in the adjustment of springs for closing the lower ends of the molds for forming the tips.

Folding Frames for Umbrellas, Tents, &c .- Patentee L. K. Selden, of Haddam, Conn. This umbrella frame is made with joints in the ribs, the inner ends of the ribs being fastened to a ring which slides on the central stick, so that by drawing down this ring, the ribs fold inward upon each other, occupying but half the space in length of the ordinary umbrella. The central stick also has a joint in the middle, so that it may be tolded. When extended, suitable braces, ceming nearly in line with their joints, hold the frame in position. The same device is applicable to tents and awnings.

Printing Addresses on Newspapers -Patentees, Rob ert W. and Daniel Davis, of Elmira, N. Y. This is one of the best of the numerous plans which have been devised for printing addresses on newspapers. Each address is cut on a small wooden block, and the blocks are fastened on belts which are slipped upon rollers, so that by the rotation of these rollers, the blocks are brought in succession above the paper to be printed. The patent also covers an invention of a very simple machine for punching or forming the letters in the wooden blocks.

Machinery for Cutting Dovetails .- Patentees, Thomas H. Burley, Charles H. Phelps and William J. Lowerra, all of New York City. This valuable invention was fully illnstrated and described on page 193, Vol. II. (new series), of the SCIENTIFIC AMERICAN. The dove tail grooves are cut in the ends of the boards or planks by means of swiftly revolving cutters; the board being tipped at an angle, first in one direction and then in the opposite direction, to give the proper taper to the grooves.

Pasking for Pistons .- Patentees, Charles Lowery, of Brooklyn, and Horace A. Miller, of New York Clty. This improvement relates to that class of piston packing known as "metallic ring packing." It consists in producing the expansion of the packing ring or rings to make it or them fit the cylinder in which the piston works, by means of two levers which are fitted to the central hub or boss of the piston hoad, and are made to act on a cut metal ring fitted te the interior of the packing ring or rings.

Ships' Stores .- Patentee, George A. New, of New York City. This is Slater's ship stove, described and illustrated on page 288, Vol. II. (new series), of the SCIENTIFIC AMERICAN. The stove is hing in gimbals, like a ship's compass, so as to keep its top level notwithstanding the rolling of the ship; and the invention relates to the mode of leading the pipes out of the joints or journals by which the stove is suspended.

Sun Shades or Roller Blinds .- Patentes, Valorus Drew, of New York City. This patent covers several improvements in the mode of hanging window curtains-1st. For regulating the strain of the cord for rolling the blind np or down; the cord is passed round a groove made at one end of the roller, and it also passes through a ring below, the latter being drawn by another cord fixed at one end to the window frame and provided at the other end with a friction bar or ring, whereby it may be retained at any given point. 2d. To secure the roller in the window frame, one end is provided with a fixed spindle, as usual, and the other end with a movable spindle, which is placed in a recess made in the roller, so that it may be prehed in or out as may be required. 3d. The shade is settached to the roller by means of an elastic rod which is passed through a hem in one end of the blind, and fits snugly in a longitudi-

nal groove made in the roller, in which it is held by staples, and also by being tied or secured at the middle. Messrs. Sullivan & Hyatt, 34 Beekman-street, this city, are the full assignees of the patent.

[To be continued.]

RECENT AMERICAN INVENTIONS.

The following inventions are among the most useful improvements lately patented:-

FIRE-RECAPE.

Hugh Morohan, of Brooklyn, N. Y., is the patentee of an improved fire-escape, and his invention consists in arranging a sofa or other piece of furniture by means of suitable braces and sections, and by a chain or chainwork in its interior, in such a manner that the same can be fastened economically, and with little loss of time, to the sill of an ordinary window, so as to form the means to pass out of the window and down to the ground by the aid of the chain.

POWER LOOMS

The object of this invention is to prevent, as far as practicable, the loss of time which occurs in the operation of power looms for weaving hair cloth, when the attendant, whose duty it is to "serve" the hair to the contrivance which places it in the shed, fails to serve it at the proper time, or in case of any failure of the operation of sail centrivance. Hair cloth is commonly weven with five sheds, which are opened in regular succession, and in operating a loom of the usual construction, it is necessary, in case of any such failure as is above mentioned, when any one of the sheds is open, to wait till the same shed is again opened before attempting to serve, or the cloth will be made uneven; and thus the time occupied by the opening and closing of the whole number of sheds is lost. A stop motion has been used for the purpose of stopping the harness motion of the loom instantly when the hair is, from any cause, not placed in the shed that is opened to receive it; but this is liable to some serious objections. This invention consists in the use of automatic mechanism which se controls the operation of the harness motion that the opening of the same shed is repeated during the following movement of the lay whenever a shed fails to have the hair placed within it; and such repitition is continued with each beat of the lay until the shed receives the hair, when the operation of the harness proceeds as if no interruption had taken place Isaac Angell, of Pawtucket, R. I., is the inventor.



ISSUED FROM THE UNITED STATES PATENT OFFICE ENDING NOVEMBER 13. 1848.

[Reported Officially for the Sourcest AMERICAN.]

Pamphlets giving full particulars of the mode of applying for patents, size of model required, and much other information uses ful to inventors, may be had gratis by addressing MUNN & CO.. Publishers of the Schenzipic American, New York.

30,608.—Elliet Andrus, of Geneva, N. Y., for an Improvement in Apparatus for Drawing Water from Wells:

claim the arrangement and combination of the several parts, for purpose and to accomplish the result, as above specified, of em

-S. P. Atherten, of Fitchburg, Mass., for an

Improvement in Hoop Machines:
I claim, first, The combination of a gage enter with a cutter ead, constructed substantially as described, and having continuous rests, a and b, for the support of the hoop upon a ch side of the mishing cutter, as set forth.

Second, I claim the crimping roll, L, for giving form to the hoop, a described.

30,610 .- A. J. Bartlett of Romulus, N. Y., for an Im

provement in Excavators: provenient in Excavators:
laim the arrangement and com ination of the hollow coop or
el, D, endlessapron or elevator, I, and trough. N, when hinged
inted together, so as to allow the required adjustments of the
secop, and operating together substantially in the manner and
he purposes specified.

for the purposes specified.

30,611.—R. C. Bristol. of Chicago, Ill., for an Improvement in Slide Valves:

I claim, first, in combination with a valve carried pron rolling supports the use of bearing pieces of metal above and below such supports capable of heing detached from the valve and criinder face, in evder that such bearing pieces may be made of a mora durable material or be taken out and replaced when worm or injured. Second, In valves munted as above described, the wedge form of the bearing piec s. E. in combination with the corresponding inclines, C., upon the valve or eylinder, face, for the purpose of adjusting the valve to tits seat, of to the dismeter of the rolling supports, G, substantially as described.

30,612.-B. F. Chappell, of Norwich, Conn., for an Improved Plumb ooh:

I claim, as an improved article of manufacture, a plumb bo died with a train of wheels, spring and stop, and otherwise s shown and described.

(This invention consists in introducing within a hollow plumb bob flanged drum or reel around which the string hy which ded is wound by a spring and train of wheelwork, and it conslats further in applying a pinch-screw to the top of the hob by which the string may be stopped when entirely or partially unwound from the drum, so that a short or long string may he used as occasion demands.]

30,613. -A. F. Cobb, of Chapel Hill, Mo., for an Im-

provement in Fire Alarms:

I claim ble arrangement of a crank shaft, A, alarm bell, H', rattle, UD, lever, L', guu, O', and cord, J, ln sombination with independent crank shafts, L W, dogs, M Y, and cords, P T, leading to various parts of a hullding, substantially as and for the purpose set forth.

-L. A. Colbert, of Baltimore, Md., for an Im-

provement in Warming Apparatus:

I claim the adaptation and arrangement of a warm air reservoir resedver, A', of box or niche form, and furnished with a door, I bottom passage, C, a side dampered passage, E, and a top damper d passage, F, all for use in combination with the ordinary furnse of air flue, draught or chimner flue, and flue leading into clevate hambers, substantially in the manner and for the purposes search. gement of a warm air reservoir and furnished with a door, B,

forth.
30,615.—L. P. Collins, of Sacramento, Cal., for an Improvement in Loop Catches for Sewing Machines:

Chines:

I claim a metallis or ether hard loop eather for sewing machines composed of a hub or main nut, a, in Figs. 1 and 2, also an adjusting screw. e, also, check nut, f, also, rib or latch, 2 so that the catch being hard and unyielding, against which the loop comes in contact, can be so adjusted by the screw, e, and firmly held by means as check nut, f, that the fuses thread cannot pass between said catch and the rotary hook until the proper time for its release, the whole being constructed, arranged, and operating as set forth and explained.

39,616.-G. D. Colton, of Galesburg, Ill., for an Imprevement in Apparatus for Drawing Water from Wells:

I claim the employment of the shaft, D, the cylinder. E, the lever, F, the ratchet wheel, a and ratchet, c, together with the stop, n, the several parts being constructed and arranged substantially as and for the purpose specified.

20,617 .- J. W. Crawford, of Rockport, Ind., for an

Improvement in Grafting Machines:

Iclaim, first, The knifc, a, with its weight, C, and the device described for operating it, in combination with the slotted bed plate, E, stops, d d, and gage, y, as and for the purposes set forth.

Second. In conn ction with the above, and on the pedestal, A, the sliding knife, g, its frame, F, and slide rests, G G, with the adjustable inclined bed places, e e, arranged and operating as and for the purposes set forth.

[This invention consists in arranging of dard a weighted cutter which works between two perpendicular guide ways operated by a foot hearer for splitting the stock; and it a se consists in arranging by the side of this stock splitte a recipro-cating knife and inclined adjustable bed pleces for preparing the wedge on the scion. 1

wedge on the scion.]

30, 618.—Perry Davis, of Providence, R. I., for an Improved Boat, Convertible into a Land Carriage:
I claim the combination of the stamps, CD, and rubber springs, s, formed as shown, with the axie, B, and boat, A, in the manner and for the purposes set forth and described.
I also claim the combination of the peculiarly formed rubber spring clip, G, and piezes, g, with the axie, H, hook, F, and bow of the boat, in the manter and for the purposes shown and described.
I also claim the arrangement of the wheels, B, with the clamps, G, as and for the purposes shown and described.

[This invantion is an improvement in the text to be used to be a second or the purposes shown and described.]

This interpreter is an improvement in boats to be used on land and on the water, for pleasure purposes. The invention consists in mounting the boat at its bow on an india-rubber spring of peculiar construction when it is used on land, said spring being a square axie or to a square enlargement of an axie, and connected to the howofthe boat in such a manner that the front wheals, or the axies of these wheels, will have a universal play, and so that the how of the boat will not be subje ted to any jar and concussion in pass-ing over rough roads. It further consists in arranging in the stern of ve the keel, two paddle wheels, a d in use keel arranged between the paddle wheels have independent shafts, and are turned by pulleys, bands

30,619.-S. S. Day, of New York City, for an Im-

provement in Fly-traps:
I daim the use or employment of the shelf, F, in combination with the lever, H, catch, G, spring, I, and lifter, J, when the same shall be combined and operated in the precise manner specified or by means substantially the same or in an equivalent manner.

30,620.—John Dickinson, of Painesville, Ohio, for an Improved Last-holder. Ante-dated Aug. 14, 1860: I claim the mode of securing immovable, or nearly so, the turn-table in any position of its vertical axes, by means of the bolt, I, provided with reversed server on its ends, and operating in combination with the tapering journals of the lower plate, Q, of said turn-table, as described and for the purpose stated.

30,621.—H. Wm, Dopp, of Buffalo, N. Y., for an Im-

provement in Vapor Lamps:

I claim mingling the vapor formed with atmospheric air above the hurner, as at as, Figs. 1 and 2, the vapor and the air descending through the pipe. A, to be burned at the hurner, B, as and for the purpose specified.

20,622.-D. F. Dunham, of Brook, Ind., for an Im-

provement in Spelling Boxes:
I claim the spelling box with wheels having letters printed on them, as set forth, constructed as described for the purposes set forth.

This invention consists in enclosing within a suitable box having a small opening in one side of its top two or more wheels or cylinders, each of which has an independent rotary movement to the other, and in covering the peripheries of said wheels with the vowele and consonants, making a perfect word, and arranging on the next wheel t e alphabet of any language, so that by rotating one of the wheels the letters may be grooped together to form words or parts of words, or simple and com ound words.]

30,623.-E. G. Dyer, of Hamilton, Ohio, for an Improved Feed Motion for Head Blocks of Sawmills:

mills:
In combination with the ratchet wheels, F. F., by means of which the head blocks. B. R. are operated, I laim the described arrangement of the palls, h. in vibrating pieces. H. H. connecting rod. I, hand lever. L. and pivoted hars J.J. wherehy the operator is enabled to move the log readily and with precision towards the saw, so as to produce either parallel or tepering suts as the same as may be desired, in the manner as and for the purpose specified.