

ENGINEERING INVENTIONS.

A method of operating trains on cable railroads has been patented by Mr. Paul H. Mayor, of Owego, N. Y.

An alarm signal for hot journals has been patented by Messrs. Oliver H. P. Cornelius and George H. Turner, of Turner, Ore.

An improved pitman box has been patented by Mr. Fenner Darling, of Franklin, Mass.

An improved car door fastening has been patented by Mr. Jacob Rhule, of Pittsburg, Pa.

An improved car coupling has been patented by Mr. Frank L. McQuiston, of Greencastle, Iowa.

A coking furnace has been patented by Mr. Arthur R. B. Hlawski, of Zaborze, Upper Silesia, Germany.

A roasting furnace has been patented by Messrs. Newman A. Foss and John M. Gray, of Clendenin, Montana.

MECHANICAL INVENTIONS.

A circular sawing machine has been patented by Mr. George J. Kautz, of Emporium, Pa.

A skin lacing and tying attachment for reels has been patented by Mr. George Grimshaw, Jr., of Paterson, N. J.

A boring gauge has been patented by Mr. Thomas J. Bush, of Lexington, Ky.

A ratchet wrench has been patented by Mr. Charles Wechsler, of Minneapolis, Minn.

A machine for washing, scouring, and burring wool has been patented by Mr. James E. Sinclair, of Baltimore, Md.

AGRICULTURAL INVENTIONS.

A horse hay rake has been patented by Mr. James M. Clark, of Greeley, Colo.

A hay stacker has been patented by Mr. James H. Johnson, of Greencastle, Mo.

An improved plow has been patented by Mr. J. T. Ellyson, of Pleasant Plain, Iowa.

An automatic register for grains, seeds, and other substances has been patented by Mr. John Wherry, Jr., of Putnam, Ill.

A pea thrasher and cotton opener has been patented by Mr. Calvin H. Simmons, of Munford, Ala.

A thrashing machine has been patented by Mr. Andrew T. Hawley, of Alton, Ill.

MISCELLANEOUS INVENTIONS.

An improved button has been patented by Mr. William W. Beach, of New York city.

A horse detacher has been patented by Mr. William M. Walker, of Fulton, Ky.

A coin holder has been patented by Mr. Charles C. Johnston, of Jackson, Miss.

A hive cart or hand cart, specially adapted for shifting bees from place to place, has been patented by Mr. Charles R. Thompson, of Fort Omaha, Neb.

A ripping attachment for scissors has been patented by Mr. Francis S. Lockerman, of Manokin, Md.

A binding attachment for sewing machines has been patented by Mr. Robert Higner, of New Orleans, La.

A fire escape has been patented by Mr. Robert P. Clark, of Philadelphia, Pa.

A clay pulverizer has been patented by Mr. Lorenzo D. Ferguson, of Nashville, Tenn.

A huller, cleaner, and separator has been patented by Mr. William W. Jackson, of Bethany, La.

A supporting rod for window and door curtains has been patented by Mr. John A. Browne, of Philadelphia, Pa.

An adjustable finger ring has been patented by Mr. Benjamin Lewkowitz, of New York city.

An improved grain drier has been patented by Mr. William H. Applegate, of Atlantic, Iowa.

A fire escape bracket has been patented by Mr. Charles Murdock, of New Rochelle, N. Y.

An improved elevator has been patented by Mr. Riley L. Davis, of Mooresville, N. C.

A lasting machine has been patented by Mr. Augustus W. Pearson, of Nyack, N. Y.

The last, pull the upper over and hold it on the last, while an automatic tack feeding arrangement and hammer fix the upper under the desired strain to the last, in close imitation of hand lasting.

A fire escape has been patented by Mr. Thomas B. Peacock, of Topeka, Kansas.

A scaffolding bracket has been patented by Mr. Mark N. Knight, of Skowhegan, Me.

A pneumatic coal cleaner has been patented by Mr. Amour Sottiaux, of Strepv-Bracqueguies, Belgium.

A fertilizer distributor has been patented by Mr. Augustine Reger, of Somerville, N. J.

An improved glove has been patented by Mr. S. Oscar Parker, of Littleton, N. H.

An improved book case has been patented by Mr. William A. Smith, of Wilmington, Del.

A steam cooker has been patented by Mr. Hudson Maxim, of Pittsfield, Mass.

A telephone call bell switch has been patented by Mr. Louis Townsend, of Evansville, Ind.

A fastener for fence wires and boards has been patented by Mr. Charles E. Griffith, of Storm Lake, Iowa.

A clock pendulum has been patented by Mr. Levi Orser, of Mobile, Ala.

A spring bed bottom has been patented by Mr. Butler R. Platt, of Plainwell, Mich.

A circuit closer for telegraph keys has been patented by Mr. Samuel J. Spurgeon, of Houstonia, Mo.

A draught equalizer has been patented by Mr. David F. Robbins, of Berlin, Minn.

A sash cord fastener has been patented by Mr. William A. Sinsel, of Waukesha, Wis.

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Business and Personal.

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