

ENGINEERING INVENTIONS.

Mr. David E. Grove, of Dallas, Texas, has invented a railway ditching machine...

Mr. Samuel A. V. Hartwell, of Valley Center, Kan., has patented an improved car coupling...

MECHANICAL INVENTIONS.

Mr. John S. Griffin, of Cleveland, O., has patented a machine for making harrow teeth...

An improved rotary cutter for mortising machines has been patented by Mr. William A. Decker...

An improved grinding mill has been patented by Mr. George W. Wilson, of Lauesborough, Minn...

A reliable and effective means of checking the descent of elevator cars in case of breakage of the suspension rope has been patented by Mr. John Johnston...

An improved flour bolting machine has been patented by Mr. Ammi R. Smith, of Maroa, Ill.

Mr. Stephen O'Connell, of Billings, Montana Terr., has patented a wagon wrench...

An improvement in brick machines has been patented by Mr. Milton Wright, of Fort Valley, Ga...

Mr. Charles Whipple, of Leonardsburg, O., has patented an improved chain pump...

An improved hay or cotton press has been patented by Mr. Hiram Bankston, of Fort Smith, Ark.

AGRICULTURAL INVENTIONS.

Messrs. Marquis D. L. Hartley and James M. Hartley, of San Diego, Cal., have patented a single tree foruse in horticultural operations...

A boiler or feed steamer that may be applied to an ordinary stove or furnace, has been patented by Mr. Jesse H. McCandless, of Oxford, Ia.

MISCELLANEOUS INVENTIONS.

Mr. William Maynard, of New York city, has invented a filter, consisting of the combination, with a case or chamber, of a rigid porous filtering medium...

Mr. James R. Barry, of Brooklyn (Greenpoint P. O.), N. Y., has invented a new combined warbler and cage.

Mr. Frank De Forest, of De Soto, Mo., has patented a fish hook. The invention consists of two hooks pointed in opposite directions...

A novel ferrule for fishing rods has been patented by Mr. Thomas H. Chubb, of Post Mills, Vt.

Mr. Francis A. Davis, of New York city, temporarily residing in Hightstown, N. J., has patented an automatic valve for opening and closing waste pipes...

An improvement in tuyeres has been patented by Mr. August Werner, of Leadville, Col.

A novel hame fastener has been patented by Mr. John J. Curry, of Plains, Pa.

A convenient and portable apparatus for roasting coffee, popping corn, or heating or cooking other substances, has been patented by Mr. Hugh P. Buffon, of Fort D. A. Russell, Wyoming Terr.

A novel combined coal hod and sieve, patented by Mr. Alexander Watson, of East Pepperell, Mass., will sift ashes and separate them from the cinders without permitting the dust to spread...

An automatic cut-off for boneblack kilns has been patented by Messrs. Cyrus T. Rayner and Richard Stenhouse, of New Orleans, La.

An improved spring bed bottom has been patented by Mr. Upton Miller, of Mount Morris, Ill.

A machine by which cotton or woolen yarn, silk, worsted, or other vegetable or animal fiber may be bleached, scoured, steamed, dyed, or dried in the cop on the bobbin, has been patented by Mr. William Maybury, of Garnerville, N. Y.

A convenient and ornamental cabinet for containing needles in papers for the use of retail shopkeepers has been patented by Mr. Thomas Harper, of Reddich, County of Worcester, England.

An improved draught equalizer has been patented by Mr. Philester G. Rowlee, of Hamilton, Mich.

An improvement in gun barrels has been patented by Mr. Robert L. Stevens, of Albany, Oregon.

An improvement in bee hives has been patented by Mr. Martin Van Ensley, of McMinnville, Oregon.

removed from the front surplus honey chamber slides readjusted to close the holes through the honey board.

Mr. Willis B. Marvin, of New York city, has recently patented an improvement in fireproof safes consisting of a frame fitting over the edges of the walls and having a slot in it...

Mr. John J. Thomas, of Salt Lake city, Utah Terr., has patented a tongue support by which the horses may be relieved of the weight of the tongue of the wagon.

An improvement in barbed wire fences has been patented by Mr. Frank M. Harris, of St. Charles, Mo.

An improved eaves trough hanger has been patented by Mr. Joshua Draper, Jr., of Oxford, Ala.

Mr. Charles L. Bates, of New York city, has invented a bell pull, which consists in a bell lever constructed with a base plate having an opening and provided with a segmental ring flange upon its outer side...

Mr. Charles A. Schnell, of Troy, O., has patented a fire escape which consists of a hook combined with a pole formed of a series of sections provided with socket rings at the upper ends and with shoulders and catches at the lower ends...

An improved chair which can conveniently be converted into a desk has been patented by Mr. Vestal W. Woodward, of Indianapolis, Ind.

A novel rein holder has been patented by Messrs. C. M. Howell and C. W. Burdick, of Lansing, Mich.

Mr. Gill W. Metcalfe, of Baltimore, Md., has invented an automatic cut-off for gas burners, to be attached to gas burners for automatically turning off the gas, if from any accidental cause the gas should be blown out or the flow stopped.

An improved desk, which can be adjusted in height and inclination, and on which a person can write very conveniently without bending forward, has been patented by Mr. Samuel A. Cummings, of Madison, Wis.

[OFFICIAL.]

INDEX OF INVENTIONS

FOR WHICH

Letters Patent of the United States were Granted in the Week Ending

November 7, 1882.

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

A printed copy of the specification and drawing of any patent in the annexed list, also of any patent issued since 1866, will be furnished from this office for 25 cents.

Table listing various inventions and their patent numbers, including items like 'Acid apparatus for concentrating sulphuric, F.', 'Agricultural implement, P. E. Paullin', 'Air cooling apparatus, Simon & Abele', etc.