

OFFICIAL.

INDEX OF INVENTIONS

FOR WHICH

Letters Patent of the United States were

Granted in the Week Ending

March 26, 1878,

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

A complete copy of any patent in the annexed list, including both the specifications and drawings, will be furnished from this office for one dollar. In ordering, please state the number and date of the patent desired, and remit to Munn & Co., 37 Park Row, New York city.

Aging liquors, P. E. Jay 201,679
Axle box, car, I. R. Titus 201,851
Axle box, carriage, J. F. Johnson 201,791
Axle box lid, car, T. Hibbert 201,671
Axle, car, H. Watkeys 201,726
Bag, H. Reilly 201,631
Bag fastening apparatus, B. X. Blair 201,737
Bag holder, J. S. Covert et al. 201,653
Bale tie, F. Cook 201,751
Barrel, H. M. Fitzhugh 201,603
Bed and life raft, combined, G. M. White 201,728
Bed bottom, Clements & Lecker 201,750
Bedstead, table, E. Kiss 201,795
Belt tightener, D. L. Croft 201,596
Blind closer, window, A. S. & D. W. Hammond 201,776
Boiler, steam, C. C. Walworth 201,638
Boiler, stock feed, C. R. Hardy 201,668
Boiler, shaking grate bar for, R. J. Cram 201,752
Bolt works, safe, Rippin & Freyer 201,702
Bomb lance, D. Kelleher 201,793, 201,794
Boot and shoe counter stiffener, F. S. Dawes 201,796
Boot and shoe laster, G. W. Copeland et al. (r) 8,138
Boot, rubber, J. T. Flynn 201,766
Bottle stopper fastener, F. N. Frost 201,662
Box and globe, combined, W. H. Topham 201,722
Box fastener for egg cases, etc., Hurst & Smith 201,788
Box machine, F. Myers 201,822
Brake and starter, car, W. C. Thairwall 201,720
Brake, automatic railway, W. L. Card 201,594
Brake, wagon, G. M. Wilson 201,856
Bridle, safety, D. Lanster 201,801
Brush, M. Leiner 201,688
Brush, A. Schuck, Jr. 201,708
Burglar alarm, A. Rindge 201,836
Button and stud, Eddy & Coggshall 201,600
Button staples, applying, A. Wisner 201,858
Button machine, N. C. Smith 201,843
Calendar and pen rack, C. Schmidt 201,840
Calendar, perpetual, J. Kachelman, Jr. 201,617
Can, metallic, Green & Wilson, Jr. 201,666
Can, water, C. Smith 201,712
Cap extractor, G. W. Hadley 201,774
Car coupling, J. Brady 201,644
Car coupling, J. H. Herriff 201,669
Car coupling, J. McGeehan 201,812
Car coupling, H. H. Potter 201,825
Car heater, J. J. Winsor 201,857
Car starter, J. Pritchard 201,700
Car window, B. L. Wood 201,853
Car window, S. Darling 201,598
Carriage jack, W. A. Foster 201,768
Carriage top, T. Scattergood 201,706
Cartridge capping implement, H. Bayliss 201,733
Caster, furniture, T. S. Smith 201,842
Chair and pulley, driving, J. D. Ostot 201,698
Chimney, cow, J. W. Androvatt 201,641
Churn, C. C. Bryant 201,739
Churn, N. R. Osgood 201,625
Churn, N. Rowen 201,633
Cigar mould, G. W. Hamilton 201,775
Clothes drier, E. G. H. C. & E. O. Miller 201,816
Clothes pounder, Armstrong & Giesman 201,642
Coal breaker, J. B. Miller 201,817
Cook, regulating, W. R. Park 201,699
Coffee, preserving green, J. S. Stowman 201,848
Comb, barber's, T. E. Gravatt 201,773
Cooking apparatus, G. J. Ward, Jr. 201,725
Cop tube, J. Essex 201,763
Corn sheller, C. C. Burroughs 201,743
Corset, A. Feltheimer 201,764
Cotton cleaner and condenser, A. T. Hunt 201,676
Cotton gins, saw cleaner for, H. A. Walker 201,724
Cuff, reversible, C. H. Morse 201,818
Cultivator, corn, D. Pattee 201,627
Curtain bracket, H. L. Judd 201,682
Curtain fixture, J. F. Lash 201,799
Curtain fixture, G. F. Shaw 201,710
Curtain roller and bracket, J. P. Morris 201,621
Dental plate, S. C. Carter 201,748
Dental instrument, S. D. Strohm 201,849
Dental plate, J. E. Seal 201,642
Door securer, G. W. Alexander 201,586
Drill, grain, J. S. Bogle 201,643
Drill, rock, C. H. Chandler 201,651
Egg box, Edwards & Lee 201,601
Electric machine, E. Weston (r) 8,141
Elevator, sand or earth, G. W. Cranston 201,753
Emery wheel, G. Hart 201,778
Engines, piston for steam, N. Foust 201,661
Exercising machine, O. S. Harmon 201,606
Faucet, W. D. Seal 201,642
Feather renovator, A. K. Flock 201,686
Feed cutter, W. S. Bartle 201,732
Feed water heater, H. G. Cady 201,649
Fence, iron, H. L. Jones 201,616
Fence post, O. E. Butler 201,744
Filter, J. C. Fisher 201,402
Fish and potatoes, preserving, S. Rich 201,834
Flooring clamp, J. Schofield 201,709
Flower stand, E. Mets 201,813
Fork, carving, J. W. Gardner 201,663, 201,664
Fork, horse potato, G. C. Clark 201,652
Furnace, P. W. Mackenzie 201,608
Furnaces, utilizing waste heat of, J. Hutton 201,613
Garment, waterproof, Worth & Pontifex 201,640
Garter, Coester, Jr. & Moore (r) 8,146
Gas light extinguisher, W. H. Hovey 201,611
Gate, M. Jeffries 201,614
Gate, A. G. Rockfellow 201,703
Glass grinding machine, Boger & King 201,783
Glassware, G. W. Blair 201,589
Glycerine apparatus, F. Sahlfeld 201,704
Grain binder, N. B. Fassett (r) 8,136
Grain binder, A. J. Smith (r) 8,143
Grain drier, O. Holden 201,767
Grain cleaning machine, M. Forman 201,765
Gun, machine, A. H. McAllister 201,810
Gun stocks, attaching for ends of, C. A. King 201,618
Hammer bush, J. Sullivan 201,851
Harness, C. I. Calvert 201,745
Harness pad machine, J. F. Best 201,735
Harrow, D. L. Garver (r) 8,142
Harvester, Dusch & Lewis 201,759
Harvester, J. F. Seiberling (r) 8,144

Harvester and husker, corn, F. J. Randall 201,830
Hinge for sheet metal ware, W. W. Flint 201,660
Hoe and cultivator, horse, T. J. Brown 201,645
Hoisting clamp, barrel, W. Bulkeley 201,648
Hoof pare, J. Kunstler 201,687
Horse power, C. E. Macarthy 201,807
Horseshoe nail machine, Wheeler & Loring 201,727
Horseshoe nail machine, S. S. Putnam 201,701
Index, J. R. McKnight 201,693
Indicator for pressure gauges, J. E. Treat 201,637
Indicator and alarm, F. C. Gilfillan 201,772
Indicator, speed, H. Hussey 201,677
Inhaler, L. E. Felton 201,659
Inkstand, calendar, F. Ratcliff 201,831
Ironing board and cutting table, W. M. Foskett 201,605
Knitting machine, A. Paul 201,629
Knob, door, T. Taylor 201,719
Knob, silvered glass door, J. W. Haines (r) 8,139
Ladder, extension, Smith & Davis 201,844
Lamp burner, H. C. Alexander 201,730
Lamp burner, C. M. Lungren 201,805
Lantern, railway, M. M. Buck 201,741
Latch fastening, B. Hollingsworth 201,675
Latch for sliding doors, W. S. Carlisle 201,747
Lathe, H. C. Herkendorf 201,781
Lathe friction clutch, J. W. Anthoine 201,587
Leather work, cutting block for, E. Nicholson 201,622
Letter stamping machine, A. C. Paquet 201,626
Low water signal for boilers, T. Bingham et al. 201,588
Lubricating composition, J. Johnson (r) 8,140
Lubricator, J. Barry 201,731
Lubricator, vehicle axle, L. H. Hinemann 201,671
Measuring gauge, N. C. Larsen 201,798
Meat preserving, F. McCulley 201,811
Milk stirrer, H. O. Freeman 201,771
Mill, double vertical, J. Weimer 201,854
Mill grinding, D. Hess 201,784
Mill, stamp, J. M. McFarland 201,692
Mitering machine, W. E. Eastman 201,657
Moulding machine, G. E. Smith 201,636
Motor, Edgar & Day 201,761
Motor, C. C. Gish 201,665
Nail, picture, H. L. Judd 201,681
Neck tie fastener, T. W. Jones, Jr. 201,792
Nut, lock, Swan & Riggs 201,716
Ore crusher and grinder, C. M. Brown 201,646
Organ stop draw knob, L. L. Hodges 201,674
Oven, domestic, A. M. Blakesley 201,736
Overalls, S. Laskey 201,800
Packing for stuffing boxes, etc., W. F. Kearney 201,683
Paddle wheels, adjustable float for, G. Brown 201,740
Pail and tub ear, G. W. Stark 201,845
Pan machine, sheet metal, T. M. Powers 201,827
Paper bag, O. E. Davidson 201,755
Paper bag machine, O. E. Davidson 201,754
Paper bag, manufacture, J. P. Raymond 201,832
Paper box, J. G. Schermerhorn 201,707
Paper, machine for damping, W. Bullock (r) 8,145
Paper making machine, J. W. Dixon 201,757
Pencil holder, S. Hill 201,672
Piano action, W. T. Waite 201,852
Picture hook, H. L. Judd 201,680
Picture hook, R. S. Merrill 201,695
Pipes, testing, E. P. Smith 201,841
Planing machine, W. R. Norris 201,624
Planter, corn, L. V. Swisher 201,717
Planter, seed, T. B. Swan 201,715
Plow, C. Koppenhefer 201,786
Plow clevis, C. Robinson 201,837
Plow, sulky, J. B. Fisher 201,765
Plow, sulky, H. L. Hewitt 201,670
Plow, draught attachment, M. Harris 201,777
Plow, harrow attachment, J. M. McPike 201,694
Pocket, Y. Chow 201,595
Post hole spade, Z. L. Hoover 201,787
Press, gang cheese, O. B. Ross 201,838
Pressing straw, etc., for fuel, E. R. Murdock 201,820
Printer's chases, dressing, R. W. Hartnett 201,780
Printer's galley, J. W. Munday 201,819
Printing press, G. T. Fraze 201,770
Propeller, J. C. Capern 201,650
Pruning knife, J. M. Helek 201,782
Pulley block, self-binding, W. F. Hurrell, Jr. 201,621
Pulley, sash, E. H. N. Clarkson et al. 201,749
Pump, R. Bean 201,734
Pump, beer, E. Stewart 201,846
Pump suction pipe, E. O. Leermo 201,689
Pump, working barrel for oil, C. E. Weible 201,853
Railway rail joint fastening, J. M. Bucklin 201,647
Railway rail key, J. Sample et al. 201,839
Railway switch, H. H. Potter 201,826
Railway track, H. Haarmann 201,667
Rake, horse hay, E. D. & O. B. Reynolds 201,833
Refrigerator, D. A. Stevens 201,713
Refrigerator, N. Wheeler 201,639
Revolvers, charging magazine for, R. White 201,855
Rings, device for sizing, E. Davis 201,654
Rosettes, making wood, J. H. Burnshaw 201,742
Rule, square, and comb, G. R. Drew 201,599
Salt manufacture, W. W. Elmer 201,762
Sash fastener, W. T. Doremus 201,655
Sash holder, R. D. MacLennan 201,620
Scales, J. L. Follett 201,604
Screen, window, R. J. Stuart 201,714
Screw cutting die, M. C. Johnson 201,790
Service box, E. W. Meyer 201,814
Sewer and other traps, W. F. Downey 201,758
Sewing book, E. S. Boynton 201,590
Sewing machine, P. Langlois 201,797
Shelf step or bracket, J. C. Thomas 201,721
Shingling bracket, McClelland & Grant 201,691
Shoulder brace and suspenders, C. H. Cushman 201,497
Shovel, I. Showalter 201,711
Show case, W. H. Dealy 201,756
Sickle grinder, A. D. Hoffman 201,610
Sieve and strainer, T. M. Hill 201,609
Siphon, E. Cardarelli 201,746
Syrup gauge, J. Bryan 201,593
Spark arrester, J. Kirkland 201,685
Spark arrester, J. W. Ledyard 201,803
Speaking machine, T. A. Edison 201,760
Spinning machine, W. M. Steele 201,847
Spool cutting machine, W. Lynch 201,806
Spring for vehicles, C. W. Saladee (r) 8,135
Springs, machine for bending elliptic, W. Harty 201,607
Sprinkler, oil well, J. C. Lorenz 201,619
Stamp, postage and revenue, A. C. Fox 201,769
Stereoscope, W. H. Lewis 201,804
Stool, folding, D. B. Oaks 201,823
Stove, R. Simpson (r) 8,137
Stove grate, J. A. Price 201,630
Stump extractor, B. F. Price 201,828
Sugar, manufacturing coffee, F. O. Matthiessen 201,809
Syringe, S. Peters 201,628
Table, folding, J. E. Wakefield 201,723
Tack, plumber's, H. C. Milligan 201,697
Tape holder, E. Rice 201,835
Telegraph wire insulator, Johnson & Phillips 201,615
Threshing machine, feeder, M. L. Mery 201,696
Thread holder, J. Dunn 201,656
Tickets machine for making wired, A. Kimball 201,684
Tov, E. R. Ives 201,678

Toy, J. H. Wygant 201,729
Trace carrier, R. R. Hart 201,779
Type, elastic faced printing, A. H. Rogers 201,632
Type holder, L. P. Taylor 201,718
Vapor burner, F. A. Sawyer 201,705
Vehicle gear, S. H. Preston 201,820
Vehicle top, Owen & Mahan 201,824
Vehicle, distance register for, W. F. Heywood 201,698
Vise, pipe and rod, O. Breckenridge 201,591
Wash board, C. Everts 201,658
Wash board, J. Murphy 201,821
Washing machine, L. Caldwell (r) 8,134
Watch case spring, P. F. Wilson 201,623
Water closet supply apparatus, H. C. Meyer 201,815
Water wheel, S. P. Mackey 201,690
Water wheel, turbine, I. Sherek 201,635
Wheel, vehicle, A. C. Hendricks 201,783
Whiffetree hook, G. W. Jackman 201,789
Yarn, testing strength of, M. Lee 201,802

TRADE MARKS.

Artificial Fertilizers, L. Seldner & Sons 55,790
Base ball supplies, A. G. Spalding & Bro. 5,797

Cigars, J. Schmitt 5,791
Cutlery, G. V. Brecht 5,782

Elastic surgical bandages, I. B. Seeley 5,793

Hats, W. C. Waring, Belknap & Co. 5,792

Instruments for hernia, etc., I. B. Seeley 5,795

Medicinal preparation, S. H. Chapin 5,793

Medicinal preparation, E. C. Lukas 5,786

Medicinal preparation, W. M. Olliffe 5,787

Medicinal preparation, S. A. Richmond 5,788

Mustard, W. G. Dean 5,784

Toilet and other brushes, Meyer Bros. & Co. 5,793

Tonic Bitters, J. Y. Kelly 5,785

Trusses for hernia, etc., I. B. Seeley 5,794

Whisky, Sattler & Co. 5,789

DESIGNS.

Burial casket moulding, A. H. Nirdlinger 10,611

Carpets, J. L. Folsom 10,550 to 10,576

Carpets, O. Heinigke 10,577 to 10,582

Carpets, H. Horan 10,583 to 10,592

Carpets, H. Horan 10,610

Carpets, J. E. Rollings 10,598 to