

Smoothing and finishing die, M. J. Glavin.....	577,577
Sole trimming machine, F. J. Freese.....	577,738
Spark arrester, J. T. Thompson.....	577,796
Spike making machine, Cromwell & Sundt.....	577,680
Spike puller, L. C. Powell.....	577,783
Spreading liquids over sheets of paper, etc., machine for, J. Heim.....	577,683
Spring head, vehicle, G. H. Hawes.....	577,428
Stalk cutter, G. W. Eyridge.....	577,734
Stand. See Percolator stand.	
Steam trap, N. Nilson.....	577,623
Steering gear, W. Tuttle.....	577,787
Stereopticon, automatic, W. L. Velez.....	577,469
Stirrup detaching device, P. Wagemann.....	577,541
Stitching machine, bag, T. B. Fuller.....	577,740
Stopper. See Bottle stopper.	
Stove, camp or army, O. D. Hunt.....	577,619
Stove, gas, L. Kahn.....	577,513
Stove grate, W. Thompson.....	577,467
Stove or furnace grate, S. Smyth.....	577,666
Stove or range, M. M. Koch.....	577,557
Switch. See Automatic switch. Car switch. Rail-way switch.	
Syringe, F. Elssner.....	577,652
Syringe nozzle, H. H. Bonitt.....	577,524
Teaching melodies, apparatus for, F. N. Steffens.....	577,667
Telegraph transmitter, H. A. Taylor.....	577,540
Telegraphy, submarine, A. Muirhead.....	577,534
Thermoscope, W. G. Looser.....	577,439
Thill coupling, J. W. Buchanan.....	577,417
Thresher and separator, grain, S. R. Rogers.....	577,908
Threshing machine band cutter and distributing feeder, Eddy & Jones.....	577,731
Ticket, divisible passenger receipt and auditor coupon railway, H. P. Mussen.....	577,622
Tie. See Bale tie. Railway tie.	
Tilting case or grate, G. W. Banker.....	577,409
Tire, bicycle, M. A. Sancho.....	577,684
Tire bolt wrench, E. A. Rich.....	577,451
Tire valve, pneumatic, D. E. Walker.....	577,636
Tires, method of and implement for patching pneumatic, C. E. Green.....	577,601
Toothpick, H. T. Tinsington.....	577,468
Toy, L. A. Eberhardt.....	577,730
Track gage, C. E. Irwin.....	577,580
Transplanter, A. Speil el.....	577,538
Trap. See Animal trap. Steam trap.	
Traveling case and baby carriage, combined, F. S. Kratzel.....	577,432
Trolley, electric railway, H. N. Gale.....	577,741
Trough. See Feed trough.	
Trough, J. S. & J. B. Weaver.....	577,608
Truck, W. H. Ward.....	577,471
Truck, car, M. G. Hubbard, Jr.....	577,481
Truck, lumber, Ulman & Emerson.....	577,798
Typewriter cabinet, W. P. Yakeley.....	577,703
Umbrella, R. P. Knapp.....	577,529
Upholstering, means for making plaited work in, H. B. Pitner.....	577,809
Valve, explosive engine, E. L. Teubert.....	577,589
Valve, hydrant, H. Fichler.....	577,519
Vaporizer, A. R. Miranda.....	577,442
Vehicle door construction, C. A. Warren.....	577,799
Vehicle, foot propelled, G. G. J. Millar.....	577,826
Vehicle, motor, L. Brown.....	577,716
Vehicle, motor, E. D. Cross.....	577,572
Vehicle top, J. W. Wilder.....	577,473
Velocipede driving mechanism, F. J. A. Kinder-mann.....	577,621
Venting device, G. W. Banker.....	577,410
Voltmeter, P. Brandt.....	577,678
Warper's beam and weaver's beam, J. Mills.....	577,558
Washbasin supporting device, W. Kachler.....	577,528
Washing machine, J. H. Doub.....	577,728
Watch bow fastener, H. F. Cook.....	577,422
Water, purifying, H. B. Furness.....	577,806
Weather strip, A. P. Chilson.....	577,719
Wedding copper upon steel or iron, J. Burns.....	577,817
Wells, appliance for unscrewing casings down in oil, G. P. Tadder.....	577,812
Wells, removable plug for oil, G. P. Tadder.....	577,811
Wheel. See Metal wheel.	
Whiffletree hook, M. M. Sanderson.....	577,453
Windmill regulator, J. N. Swanson.....	577,495
Window screen, R. E. Meiree.....	577,680
Wire stretcher, W. W. Hendricks.....	577,617
Wire stretching and splicing device, G. K. Jack-son.....	577,754
Woodworking machine, J. M. Nash.....	577,492
Wrapping, folding and sealing circulars, machine for, R. A. Carter.....	577,418
Wrench. See Chain wrench. Monkey wrench. Tire bolt wrench.	
Wrench, G. W. Martin.....	577,770

DESIGNS.

Advertising fly net, H. D. Gaines.....	26,693
Ash pan, M. V. Conner.....	26,686
Bedstead end frame, metal, D. Frank.....	26,688
Bicycle frame, R. M. Keating.....	26,689
Box, wooden vial, W. C. Estes.....	26,687
Card, F. R. Brooke.....	26,674
Cartridge clip, temporary, T. C. Johnson.....	26,692
Cartridge shell, J. Gardner.....	26,675
Cartridge shell, solid head, J. Gardner.....	26,676
Chain, P. J. Duerr.....	26,677
Cigar lighter, C. D. Golden.....	26,667
Clock case, C. D. Golden.....	26,672
Coin controlled machine case, B. J. Wertheimer.....	26,689 to 26,691
Crate tray, berry, D. E. Smith.....	26,684
Dental tool for carrying amalgam, J. W. Ivory.....	26,685
Fabric, S. R. Ogg.....	26,678
Form, dress, L. E. Hacherele.....	26,694
Hook, metallic, P. L. Faatz.....	26,680
Lamps, etc., shade for, M. R. Littell.....	26,683
Rubber quarter boot, W. B. McDonald.....	26,673
Sash, car window, S. S. Bradshaw.....	26,691
Spoon, G. R. Pohl.....	26,682
Tool, compound, O. Aberer.....	26,682
Tag holder, E. Hamman.....	26,679
Valve casing, Railton & Campbell.....	26,681

TRADE MARKS.

Aperient waters, their salts and medicinal prepa-rations containing such salts, natural, E. Sax-lehner.....	29,597
Baking powder, Tillmann & Bendel.....	29,590
Beer, Acme Brewing Company.....	29,593
Beer, lager, A. H. Ziegler.....	29,590
Bicycles and similar vehicles, H. J. Young.....	29,609
Bicycles, eases their parts and attachment.....	29,607
Tourist Cycle Company.....	29,607
Candy, chewing, American Molasses Candy Com-pany.....	29,596
Cassimeres, Middlesex Company.....	29,578
Corsets, H. W. Lyon.....	29,575
Disinfectant, Hance Brothers & White.....	29,610
Feed, animal, Freeman Milling Company.....	29,583
Flour, aged glutinous, E. A. Smith.....	29,594
Flour, wheat, Freeman Milling Company.....	29,591
Foods, beverages and condiments, certain named, J. F. Humphreys & Company.....	29,582
Glue, liquid, E. J. Mills.....	29,601
Hair crimping pins, J. Battles.....	29,584
Hose hydraulic or fire, Eureka Fire Hose Com-pany.....	29,579
Luting, cement or putty, non-hardening elastic, F. O. Pierce.....	29,603
Medicines and surgical instruments, certain named, A. E. Burns.....	29,587
Nail pullers, Maltby, Henley & Company.....	29,605
Needles, Excelsior Needle Company.....	29,585
Paints, Harrison Brothers & Company.....	29,612
Paints, James E. Patton Company.....	29,611
Paper cutters, roll, American Roll Paper Com-pany.....	29,606
Ranges, stoves and heaters, Thomas, Roberts, Stevenson Company.....	29,604
Remedies for pulmonary diseases, including pills, Lester H. Greene Company.....	29,587
Ribbons, velvet and satin, V. Heber & Company.....	29,598
Soap, Petrelia Manufacturing Company.....	29,581 to 29,583
Spices, Tillmann & Bendel.....	29,589
Starch, laundry, T. Kingsford & Son.....	29,585
Surgical instruments and appliances, Kny-Scheerer Company.....	29,586
Toilet waters, Flyer & Cie.....	29,598
Wine, claret, J. M. Vergne.....	29,588
Woolen cloth, Middlesex Company.....	29,577

PRINTS.

"Cut No. 567, G. V.," I. E. Palmer.....	45
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A printed copy of the specification and drawing of any patent in the foregoing list, or any patent in print issued since 1863, will be furnished from this office for 10 cents. In ordering please state the name and number of the patent desired, and remit to Munn & Co., 361 Broadway, New York. Special rates will be given where a large number of copies are desired at one time.

Canadian patents may now be obtained by the in-ventors for any of the inventions named in the fore-going list, provided they are simple, at a cost of \$40 each. If complicated the cost will be a little more. For full instructions address Munn & Co., 361 Broadway, New York. Other foreign patents may also be obtained.

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1. PIANO SOLO, - Princess Bonnie Waltz
2. SONG—Tenor Solo, - Tramp, Tramp, Tramp
By GEO. J. GASKIN.
3. BANJO SOLO, - - - Titus March
4. SONG—Baritone Solo, - Starlight, Starbright
By J. W. MYERS.
5. RECITATION, - Imitation of a Street Fakir
By GEO. GRAHAM.
6. MALE QUARTETTE—Medley, - Mary Ann
7. SONG—Plantation Shout, Bye, Bye, Ma Honey
By BILLY GOLDEN.
8. CORNET DUET, - - - Short and Sweet
9. SONG, - - - La Marseillaise
By SIGNOR GIANNINI.

Part Second.

10. BANJO SOLO, - Medley of Jigs and Reels
11. SONG—Tenor Solo, - Down in Poverty Row
By GEO. J. GASKIN.
12. MALE QUARTETTE—Negro Song,
Hear dem Bells
13. RECITATION—Poem by Eugene Field,
Departure
14. DRUM AND FIFE (Descriptive), Spirit of '76
15. SONG—Baritone Solo, I Want Yer, Ma Honey
By DAN W. QUINN.
16. RECITATION, - Side Show Orator
By GEO. GRAHAM.
17. SONG - (M. Farkos's Great Success,
French Laughing Song)
18. SONG—Baritone Solo,
Say Au Revoir, But Not Good-bye
By J. W. MYERS.

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See first page SCIENTIFIC AMERICAN of May 16, 1896.