

Railway wheel, art of manufacturing, C. G. C. Simpson.....	5027	Sewing machine, L. M. Pecker.....	1120
Rake, L. A. Powers.....	4210	" " H. Bland.....	4553
Range, portable, G. W. Walker.....	4911	" " C. Gullmann.....	1070
Razor, F. Erdmanski.....	5210	" " G. Kallmeyer and E. Schmidt.....	5197
Reading desk, clothes drier and table combined, J. Bates..	4959	" " R. H. St. John.....	5216
Reaping machine, R. W. Jeffery.....	4645	" " castor, J. S. Rood.....	1477
" " John Abell.....	4732	" " for bags, &c., H. P. Garland and A. J. Gore.....	4335
Refrigerator, W. W. Wickes.....	4255	" " hem stitching attachment to, E. L. Howard.....	4196
Rein holder, E. A. Smalley.....	4158	" " lamp holding attachment to, James Telfer.....	4228
" " E. Chitt.....	4528	" " lamp holding attachment for, F. M. Willson and W. Vassie.....	4571
" " C. Hutchins.....	4797	" " leaf supporter for, J. F. Webster.....	4329
Refishing doors, machine for, W. Abercrombie.....	4955	" " needle, J. Elliott.....	5332
Rivet, M. Bray.....	4211	" " over head, J. Laling.....	1390
" and bolts, machine for trimming the ends of, D. M. Kelly.....	5085	" " shuttle, H. L. Walker.....	4672
Road scraper, J. Stubbs.....	5032	Shaft coupling for cutters, P. Wood.....	5262
Rock breaking, &c., machine, A. J. O'Day.....	1309	" support, J. N. C. McIntosh and E. G. Boyce.....	5117
" drill, E. S. Winchester.....	1982	Shingle machine, R. Parads.....	4500
" reamer, D. W. Siprell.....	4211	Shingling roofs, J. M. and C. T. Schramm.....	4236
Router and harrow combined, J. Vessot, Sr., and S. Vessot	1221	Shirt, J. H. Myers.....	5130
Roof for buildings, R. Bentley.....	4696	" front, C. W. Jenks.....	4700
" movable, P. Charland.....	1614	Shoe, L. Heath.....	4513
" and bridges, trusses for, E. Wasell.....	4379	" " J. H. Hussey.....	5113
Root cutter, J. T. Burns.....	5110	" last, block lock, F. J. Davis.....	4753
Rope moulding machine, F. A. and P. C. Glanz.....	5351	" " felt, C. E. Mayer.....	4311
Rubber belting, apparatus for manufacture of, P. H. Cowper and F. Scholes.....	5010	" " (extension), J. K. Felcks.....	4316
Rudder brace, J. P. Foote and L. Dummerman.....	5061	" seamless, J. Small.....	5321
Rubbing paper, art of, D. Mortimer.....	4140	" sole edge trimmer J. W. Lefferts.....	5321
Sail iron, G. W. Cottingham.....	5295	" wooden, A. Edwards.....	4378
Saddle, cart, backband for, P. Wright.....	4886	" animal, machine for making, W. Hamilton.....	4311
" tree, O. V. Flora and J. B. Foss.....	4131	Shovel, T. Weiss.....	4671
Safe, burglar and fire proof, R. Bain.....	5081	" coal, J. Edgar.....	5159
Sails, reeling, P. C. Marsh.....	1917	" manufacturing, T. J. Blake.....	4776
Salt box, C. P. Crossman and E. J. Brown.....	4278	" and forks, lifting attachment for, F. M. Gardner... ..	5161
Sand papering machine, J. Howe.....	5198	" machine for bending wood for handles of, B. A. Higgins.....	4709
Sap evaporator, D. McLellan.....	1596	Shutter, fire proof, G. Campbell and T. McKay.....	5126
Saponification of mineral oils, D. Spinelli.....	1712	Silk thread, (black), composition and process for testing the purity of dye in, W. H. Seamon.....	5005
Sash fastener, J. Stauffer and J. W. Carroll.....	4815	Silver and gold ores, crushed, machine for amalgamating, and for separating by washing substances of different specific gravities, A. Heatherington.....	4361
" folding window, W. J. Manchester, Jr.....	4151	" ores, reducing and smelting, C. J. Eames.....	1905
" pulley, W. H. Gonno.....	5065	Skates, making and fastening, E. L. Fenerty.....	4168
" regulator, W. A. Holwell.....	1551	Skirt protector, H. M. Macdonald.....	5229
" supporter and lock, P. Baker.....	1973	Skylight, metallic, G. E. Dayton.....	4805
Saws, apparatus for tempering and straightening, without hammering, G. F. Simonds.....	5288	Slate, J. H. Barbarick.....	4510
" buck, G. Collins.....	4991	" frames, pencil holder for, C. C. Moore.....	4295
" circular carriage, A. Rodgers.....	4418	Sleigh, G. McConnell.....	5104
" " W. P. Widdfield.....	4890	" brake, C. Appleton.....	5101
" guard, (extension), T. Hodgson.....	4513	" cutter slides and wings for, J. J. Cobb.....	4995
" fret frame for, O. Evans.....	4380	" for drawing timber, &c., D. A. McDonell.....	10
" gang, hanger, H. C. Butler.....	4161	Slicing machine, T. Witmer.....	73
" gunner and sharpener, H. Baughman.....	4741	Smoke consumer, J. Hodgson.....	4479
" hand and other short, E. Andrews.....	4183	" stack, D. Allard.....	4313
" portable resawing gang, J. Gerhardt and J. Hutchinson.....	5091	" and spark conveyor for locomotives, T. DeCodeze.....	4407
" scroll, W. D. Westman.....	4825	Smutter and separator combined, scouring case for, M. Deal.....	4482
" set, S. Bartlett.....	4820	Snap hook, G. B. Durkee.....	5283
" mill dog, H. E. and W. A. Susand and J. H. Baker.....	4781	Snow, machine for clearing, from railways (extension), R. C. Harris.....	4967
" " A. Cunningham.....	5184	" plough, J. Doman.....	4706
" gang, A. Rodgers.....	4429	" " J. Struthers.....	4770
" " F. E. Town.....	8034	" " H. Foster.....	4819
" head block, L. W. Pond.....	5308	" " J. D. Mann.....	5156
" planers, &c., carriage movement of, W. Lamb.....	4359	" " E. G. Graves.....	5233
" roller holding apparatus for, J. Rice.....	5175	Soap, (extension), W. S. Torrie.....	4559
Scaffold clamp, W. H. Seymour.....	5328	" S. Struz.....	5142
Selson gauge attachment, W. S. Evans.....	5073	Sole edge trimming machine, C. J. Addy and E. S. Abbott.....	5140
Screen for coal chiders, T. Gavin.....	4213	Sower shaker attachment for vehicles, L. M. Blisse II.....	4788
Screw, A. Cummings.....	4692	Spark arrester, A. N. Chrystie and Sir A. T. Galt.....	4204
" machine, J. F. Webster.....	4617	" " A. Mitchell.....	4691
" power, alternating, J. Mattice.....	4629	" " D. R. Proctor.....	5023
Scrubbing brush, F. Cuny and P. T. Briant.....	4555	" " D. Hawkesworth.....	5260
Seal, metallic, E. J. Brooks.....	4819	" " and extinguisher, W. Halsted.....	5070
Seat, elastic wood, W. Schnabel.....	4783	Speed motion, G. T. D. Barryum and W. F. Dial.....	1371
Secretary, W. S. Wooton, J. G. Blake and H. H. Fulton.....	1230	Spikes, &c., (extension), G. N. Sanders and G. N. Sanders, Jr.....	5121
Seed drills, W. A. McClintock.....	5151	Splining machine, C. Z. Mattison and G. W. Shaw.....	5268
" sower, J. W. Mann.....	5160	" wheel, A. Weir.....	5127
" sowing machine, W. S. Wisner.....	4291	Spirits and sugar from cereals, &c., A. Manbré.....	5148
Seeder, broad cast, plaster sower and harrow, L. Dague.....	5009	Splint for arm, D. Bissell.....	4180
Seeding machine, C. O. Gardner.....	4738	Spooler and pin cushion combined, L. Munro, D. McArthur, W. H. Chalker and G. Macgillivray.....	4888
" " C. E. Patric and J. S. Bogle.....	4850		
" " J. S. Bogle.....	5217		
Separator and fanning mill combined, W. Josleyn.....	4609		
" " smutter combined, scouring case for, M. Deal.....	4482		
Sewers, &c., arches for, C. G. Force.....	4954		
" device for facilitating excavators for, C. G. Force..	5086		
" ventilation of, F. Rouk.....	4899		
Sewing machine, R. M. Wanzer.....	4231		