

INDEX OF INVENTIONS.

Axle set, L. J. Stone.....	2279
Barrels, crozing and chamfering of, J. Greenwood.....	2325
Bed bottoms, A. Turnbull, R. S. Webb & J. Frary.....	2328
Bed and chair bottom, J. Kinney.....	2221
Bed bottom, adjustable spring, E. T. Gilmore.....	2240
Bee hive, winter attachment to, P. Nicolle.....	2289
Blind fastener, J. J. Habich.....	2275
Boiler for heating water, A. Spence.....	2229
Boiler, marine and stationary, H. McPhillomy.....	2333
Boiler wash, G. Biggar.....	2348
Bolt and rivet cutting machine, J. McFarlane.....	2283
Book stand, H. M. Sweeney.....	2284
Boot and shoe counter, S. Rock & S. Teeter.....	2302
Boot and shoe fastener, G. P. Clapp.....	2321
Boring machine for mines, D. W. Siprel.....	2291
Box, ribbon, G. Mackay.....	2252
Bridge, fan pier, J. Dennis.....	2261
Broom screw ferrule, M. W. Dillingham.....	2276
Building, tubular fire proof blocks for, J. W. Wright.....	2230
Can top, knife opening, R. Warminton.....	2243
Car coupler, Wm. P. Scott.....	2227
Carriages, shaft attachment for, G. B. Stock.....	2219
Carburetter, F. H. Date.....	2341
Car coupler, H. C. Kirbe.....	2337
Carving and moulding, machine for, A. S. Gear.....	2286
Car wheel, elastic, J. A. Woodbury.....	2317
Chair, bed, lounge, bottom for, J. Kinney.....	2221
Chair, swinging, W. W. Butcher.....	2342
Cheese, manufacturer of, H. O. Freeman.....	2236
Cloth, measurer and roller, J. J. Webster.....	2327
Clothes wringer, C. E. Haynes.....	2253
Clothes drier, G. W. Ainsworth.....	2315
Coal oil, treating alkali in, D. Watson.....	2260
Collar breast for harness, R. D. Kendall.....	2322
Compass dial, solar, M. Fraser.....	2263
Cooking stove, E. L. Stevens, M. Anderson and H. R. Fawcett.....	2272
Corn and grain, curing of, H. H. Beach.....	2313
Dashboard, carriage, H. Bolton.....	2248
Ditching machine, A. Spence.....	2307
Door bell, W. E. Sparks.....	2266
Door latch, H. Fraser.....	2255
Excavating machine, R. W. Davis.....	2299
Faucet, J. N. Smith.....	2330
Fence, farm, W. W. Kitchen.....	2305
Fire extinguisher, G. Booth.....	2247
Fire place heater, J. Gray.....	2293
Fish spawn hatcher, M. G. Holton and S. Green.....	2220
Flour, dressing machine, G. T. Smith.....	2258
Flour, dressing machine, G. T. Smith.....	2257
Fuel Economizer, J. Dewe.....	2269
Fuel, preparation of, M. Rae.....	2273
Furnace grate, C. Kugler.....	2349
Furnace, hot air, B. Gommenginger.....	2324
Furnace retorts, F. H. Date.....	2340
Gaiters, M. G. Briggs.....	2281
Gas engine, G. B. Brayton.....	2343
Gas, illuminating, J. B. Fogarty.....	2228
Gas, manufacture and storage of, J. C. Tiffany.....	2235
Grain and seed drill (extension), C. E. Patric.....	2278
Gum, water proof, D. M. Lamb.....	2244
Harrow, J. McKenzie.....	2256
Harvester reel, C. Kump f.....	2225
Holsts, improvements on, J. Feuson.....	2329
Hook, self-releasing, J. L. Cathcart.....	2292
Horse rake, O. B. Austin, (extension).....	2245
Horse rake, O. B. Austin, (extension).....	2246
Horse shoe nails, manufacture of, C. H. Perkins.....	2250
Horse shoe, W. Roberts.....	2318
Hose hydrant, W. E. James.....	2297
Iron and steel, process, C. W. Siemens.....	2223
Jar covers, L. F. Betts.....	2238
Knife cleaner and sharpener, H. J. Livergood.....	2309
Lamp glass, F. Reynolds.....	2295
Last for making seamless felt shoes, J. K. Feick.....	2234
Lighter, steam, A. Bulman.....	2237
Looms, stop motion for, H. Corney & S. S. Turner.....	2298
Lozenge machine, J. H. Copping.....	2233
Lumber, preserving and drying of, J. Oliver.....	2316
Manure spreading cart, W. F. White.....	2330
Metals for casting, G. Whitney.....	2336
Metals, cutting and punching of, H. B. Sevey.....	2288
Metals, process for refining, J. Webster.....	2301

Milk pan, compartment, W. O. Campbell.....	2249
Milk strainer, W. H. Johnson, A. Buckham and C. A. Foote.....	2345
Mitre box, J. A. M'Kinstry and W. Walden.....	2335
Moccasins, manufacture of, J. C. Randlett, P. Kelleher & F. H. Combs.....	2311
Mop for floor, J. Cook.....	2226
Motive power, universal, R. O. Beck.....	2350
Moulding and carving, machine for, A. S. Gear.....	2286
Navigation apparatus, R. Smith.....	2224
Nitro-glycerine, manufacture of, C. W. Volney.....	2242
Oil cloths, F. N. Davis.....	2314
Paper pulp, manufacture of, J. Noad.....	2290
Pump log coupling, N. Johnson and G. D. Maitland.....	2280
Railroad fish plate fastener, A. E. Braymer.....	2268
Railway turn-table, H. Lafontaine.....	2282
Railway switch, self-operating, E. Mercier.....	2306
Roller, land, A. S. Hullett.....	2296
Sap pan elevator and car, E. W. Lee.....	2323
Salt evaporator, side return flue, J. J. Carter.....	2254
Saw mill dog, H. D. Dann & J. H. Swortwout.....	2308
Sewing machine, E. D. Thomas.....	2328
Sewing machines and others, motive power, T. Hyde.....	2338
Sewing machine, welt and turned sole, C. O. Crosby and N. A. Baldwin.....	2231
Shaft coupling and fastening, J. Findlay.....	2277
Shingle mill, I. Fréchet.....	2239
Sleigh-plough, R. Wyman.....	2344
Slide valve reliever, M. Wakefield.....	2261
Smoke pipe, F. Proudfoot.....	2310
Spinning machine, J. & N. Marshall.....	2326
Stone loading and unloading, F. B. McNamee, & J. Murray.....	2334
Stone cutting machine, A. S. Gear.....	2285
Stone, machine for turning, A. S. Gear.....	2287
Stove pipe damper R. R. Ball.....	2303
Straw cutter, R. Martin.....	2304
Table top, revolving, extension, M. B. Brooks.....	2265
Tanning, apparatus for, C. Herveux.....	2346
Tea and coffee press, M. W. Watkins & J. X. Tucker.....	2262
Threshing machine, J. Brothers & W. Downs.....	2267
Threshing machine, dust conveyor for, J. B. Hunsberger, E. Latshaw, D. B. Latshaw & J. Latshaw.....	2274
Vehicles, improvement in, D. Crowell.....	2270
Washing machine, J. Davis.....	2320
Washing machine suction, T. W. F. Smallwood.....	2319
Washing machine, A. W. Nicolson.....	2312
Washing machine, G. J. Witsil.....	2300
Washing machines, T. F. Nicholl.....	2259
Washing machine, A. H. Moore.....	2271
Washing machine boiler, J. Blanton.....	2232
Water wheel, B. Cokley, J. Sherlock & R. E. Casey.....	2222
Wheel, turbine, A. D. Cole.....	2241
Whiffletree, safety, L. Linton.....	2331
Window stop attachment, C. Page, T. A. Curtis & A. B. Taylor.....	2347
Woven fabrics, manufacture of, B. Prince.....	2251
Upholstering purposes, fibre for, J. W. Woodley & J. Jacobs.....	2294

INDEX OF PATENTERS.

Ainsworth, C. W., clothes drier.....	2315
Alexander, A. J., J. F. Davis & J. T. Schofield (assignees), furnace grate.....	2349
Anderson, M., E. L. Stevens & H. R. Fawcett, cooking stove.....	2272
Austin, O. B., horse rake (extension).....	2245
Austin, O. B., horse rake (extension).....	2246
Backus, O. J., & A. F. Sawyer, assignees, sewing machines and others, motive power.....	2338
Ball, R.R., stove pipe damper.....	2303
Baldwin, N. A., & C. O. Crosby, sole sewing machine.....	2231
Beach, H. H., curing grain and corn.....	2313
Beck, R. O., motive power, universal.....	2350
Betts, L. F., jar covers.....	2238
Biggar, G., wash boiler.....	2348
Blanton, J., boiler washing machine.....	2232
Bolton, H., carriage dashboard.....	2248
Booth, G., fire extinguisher.....	2247
Braymer, A. E., railroad fish plate fastener.....	2268
Brayton, G. B., gas engine.....	2343
Briggs, M. G., gaiters.....	2281
Brooks, M. B., table top revolving, extension.....	2265