

Darning machine, O. S. Osmer.....	4145	Fertilizer holder and distributor, W. F. Wheeler.....	4852
Dashboard for vehicles, W. C. Peel and J. V. Elster.....	5301	" preparation of, B. Ackerman	4820
Dental engines, S. S. White	4199	" sower, J. E. Wismer.....	4997
Diamonds for working stone, method of inserting, &c., in holders, J. W. Branch	5300	Fibro and bristle combing machine, C. Boeckh.....	5153
Dinner kettle and lamp combined, W. W. Price.....	4952	Fibrous substances, machine for disintegrating, A. H. Latlin.....	4930
" pall, A. D. Williams.....	4020	Field roller, H. & J. W. Follett.....	4327
Ditching machine, T. Fitz Randolph.....	4091	Filo and tool handle, W. R. Fenerty.....	5180
Docks floating and pontoons, J. L. Clerk and J. Standfield.....	4840	Filter, J. and A. Outerson.....	1722
Door, barn, hanger, W. Johnston.....	5090	" water, J. C. Cody.....	4239
" fastener, D. McDonald.....	4730	Fire alarm and extinguisher, automatic, D. Kearney.....	5378
" fastening pocket, H. W. Murdock and M. E. Spader.....	4844	" arms, breech loading, F. P. Peace and J. W. D. Williams.....	4506
" and gates, apparatus for closing, T. Thornton.....	5315	" escape, M. Durand.....	5202
" hanger, E. U. and W. L. Scoville	4251	" extinguisher, A. A. Murphy and C. C. Hearle.....	4484
" securing knob roses to, J. Kedy.....	5043	" " D. J. Topley.....	4864
" spring, C. W. Sellnas and A. A. Stinson.....	4392	" " J. S. Wallace and E. Tucker	4892
" and window sashes, machine for mortising, W. Aber- crombie.....	4802	" " automatic, H. S. Parmlee.....	4132
Drains, cement pipe, and wells, J. Regan.....	5176	" " apparatus, D. Steele.....	5201
" pipe moulding machine, J. P. Merwin.....	4139	" kindler, J. Blow.....	1516
Draught equalizer, E. A. Beers.....	4923	" " J. D. Husband.....	4750
Drawers, (underclothing), J. J. Fitzpatrick	4196	" " S. W. Berham.....	4765
Drawing or copy book, A. Forbriger.....	4931	" " J. Commins.....	5169
Dredging boat, E. Bazin.....	5375	" lighter, J. Clay and A. Sawtell.....	5101
" machine, R. R. Osgood.....	4922	Fish hatching apparatus, N. W. Clark.....	4927
Drier, G. W. Brownman.....	4283	" preparing, for market, D. W. and S. H. Davis.....	4720
Drill rock, F. Dagenals and G. S. Brush	4592	Fishways, J. DuPuy Brewer.....	4761
" steam, G. E. Nutting and J. C. Gilthens.....	5061	Flat irons, J. Best.....	4740
Drilling, rock, machine, G. H. Reynolds.....	4887	Floodway for machines, J. H. Morrell.....	4865
Drills and cutting tools, setting diamonds in, C. A. Terrey.....	4219	" " warehouses, J. H. Morrell.....	5379
Drive chain, W. D. Ewart	5163	Flour, machine for separating, from bran, &c., J. T. Mc- Nally.....	4534
Drum heater, C. Skinner.....	4143	" manufacturing middlings, R. L. Downton and J. A. Miller.....	5225
" " F. Proudfoot.....	4336	" scoop, (extension), J. Baker.....	1274
Drum stove ventilator, Joseph Lemay dit Deiforme.....	4370	" sister, G. C. Eastman.....	5286
Earring, W. P. Yeoman.....	4787	Flues, machine for cleaning, A. Crosby.....	5335
Eave trough, T. Linklater.....	4523	Fly trap, D. E. Roe	4821
" " &c., hanging device for, J. P. Abbott.....	4825	Fog signals, apparatus for, E. E. Mann and E. Watson	5405
Egg beater, churn and ice cream freezer combined, J. L. Gregory.....	4856	Food preserving process, A. T. Jones.....	5037
Electric battery, frictional, G. M. Mowbray.....	4875	Fork, straw and barley, Sylvester Snell.....	4603
" " gravity, L. P. Brunelle and S. Mohr.....	5244	" and shovels, lifting attachment for, F. M. Gardener..	5161
" " signalling apparatus for railways, F. L. Pope.....	5011	Frame work, imbricated, J. H. Dorlon.....	4385
" telegraph, T. A. Edison	4299	Framing and moulds to make well cement pipe, &c., J. Regan.....	5176
Electro magnetic engines, L. Bastet.....	5280	Freezing apparatus, E. C. Tozer and R. D. Southwood.....	4468
" type shell, method and device for backing, J. S. Brooks.....	4903	" and refrigerating machine, J. Shirreff	5258
Elevating building materials, J. Conrad and J. H. Fahr- inger.....	4326	Fringes, &c., wearing headings for, J. T. O'Brien and C. C. Contrell.....	4362
Elevator, D. S. Bailey.....	5054	Fruits machine for cleaning, P. Williams.....	4350
" floating, vessels used for, and screw propellers for same, W. and J. Inglis	4185	" picker, J. and F. A. Bailey.....	5100
" " hydraulie, J. Fenson.....	5025	Fuel, artificial, D. F. Packer.....	4357
" " C. W. Baldwin.....	5351	" securing combustion of, J. C. Ramsden.....	4843
Engine, blowing, D. C. Morenci.....	4338	Furnace, evaporating, T. B. Wilson and M. P. Hayes.....	5058
" rotary, C. C. Brayley.....	4926	" and furnace door, W. A. Martin.....	4242
" traction, W. H. Milliken.....	5331	" grate, H. Ryden.....	4290
Exhaust fans, E. E. Hargreaves.....	5323	" bars, J. Clark, F. S. Smith and A. Brear.....	4982
Explosive compound, C. W. Volney	4524	" heater, W. D. Bartlett.....	5303
" " G. M. Mowbray.....	4769	" hot air, T. Irwin.....	4410
" " C. F. W. E. Dittmar	5057	" " E. E. Gold.....	4798
Eyeletting machine, E. Woodward and E. D. Goodson.....	4377	" " W. H. Lotz.....	5012
Fanning mill, J. W. Johnson, C. M. Manville, S. W. Alvord, E. E. Buffington, L. B. Rodgers, E. R. Myer, J. Vosburg and C. F. Nichols	5182	" method for promoting the combustion of fuel in, G. A. Jasper.....	4325
" " W. W. and J. Lamble.....	5204	" oil burning apparatus for, C. E. Robinson.....	4356
" " and separator combined, W. Joselyn	4609	Furniture, &c., joint for, C. T. Cleveland	4369
Fare device for street cars, C. G. Imlay	4612	" castors, C. B. Sheldon.....	4334
Farinaceous substances, method of treating, W. Adamson.....	4399	" &c., method of cleaning, T. S. Church, E. R. Flint and G. W. Gregory.....	4960
Fat matter from cereals, &c., A. Mambré.....	5168	Game, W. M. Corney.....	4257
Faucet, H. Sasse.....	4317	" A. B. Daniels.....	4264
" ventilating, W. C. North.....	4515	" apparatus, E. F. Lane	4346
Feather duster, A. D. Griswold.....	4185	Gas apparatus, R. P. Spico	4359
" " S. M. Hibbard	4351	" burner, A. G. Baylis.....	4784
" renovating machine, G. Kelly	4184	" " self-lighting, H. B. Stockwell and E. L. McGill	4147
" renovator, H. E. Rowe	4779	Gas burner, self-regulating, D. D. McMillan.....	4550
Feed apparatus, regulators for, George Henry.....	4950	" carburetor, P. Burke.....	4260
" cutters, J. Collins	4502	" " W. H. Reed.....	5231
Felt boot tree, J. K. Feick	4745	" " air blower for, W. H. Reed.....	5243
Fence, A. W. Olds	4648	" illuminating, F. H. Date	4215
" corners, S. W. Russell	4881	" " J. H. Sheldon	5153
" metallic, W. L. Walker and B. G. Davoe	4881	" " and coke manufacture of, J. T. B. Bennett.....	4393
" portable feeding, for pasture fields, J. Ackman	4383	" " machine, H. E. Casgrain and G. Drolet	4455
" " and stationary, N. Kimball	5294	" process for making, H. Altkren	4613
" pickets, machine for making, J. Levy	4657	" " and apparatus for manufacture of, J. W. Beatley	4980
" post, R. Gill	5319	" " Rigby.....	5038
" base, A. B. Drake	5041		
" wire, J. F. Glidden	4916		
" " C. Kennedy	4701		