

Gas machine, J. G. and W. Muller	4248	History and statistics apparatus, N. Loverin	4792
" " H. E. Casgrain.....	5076	Hoe, A. S. Acker	5030
" manufacture, W. J. Waughop and J. Cowan	4684	" M. Johnson	4736
" process and apparatus for manufacture of, from petro-		" horse, J. M. Munro and A. P. Johnson	4896
leum, &c., T. S. Dickerson	4706	" spring, R. Sylvester	4321
" retort, F. H. Date and F. H. Elchbaum	4881	Hogs, machine for cleaning, &c., after being killed, N. Sil-	
" apparatus for heating, J. P. Lockey	4676	verthorn.....	5106
" process of cleaning, H. S. Wolf	5210	Holstways, W. Muir.....	4376
" wood, " making, G. Ramsdell	4304	Honey, artificial, F. G. White	4511
Gases of fuel, utilization of, J. C. Ramsden	4843	Hoop cutting machine, H. Fowler	5327
Gate, R. H. Hudgib.....	4473	" " " P. Cook	5336
" H. Hogle.....	4902	" machine, A. F. S. Skidmore	5170
" farm, W. Brown	4716	" " to prevent from jumping, G. H. Thompson, A. A. Mathews and M. O. Mathews	5155
" and doors apparatus for closing, T. Thornton	5315	" bridle, E. Fuller	4975
Gauge, quadrant bevel, W. E. Skinner	4933	" checks, J. Sugden and J. P. Goffrey	4512
Gear wheels, bevel, mechanism for planing cogs of, G. M.		" M. Hubbell	4971
Holmes.....		" collar, W. Hardy	4808
Gelatine, extracting, from salted fish skins, J. S. Rogers	5259	" W. Irvin	4190
Glass furnaces, J. Nicholson, Jr.	4774	" feed bags for, A. Nye, Jr.	5079
" " H. Ragot	4884	" from jumping, &c., device for preventing, G. D. Chis-	
" process and apparatus for tempering, F. B. A. Royer	4267	holm and S. Douglass	4191
" do la Bastie	4842	" hay knives and forks, W. C. Shorey	4911
" relief letters coloured, J. A. Egginton	4344	" overdraw checks for, J. A. Lakin	4911
Globes, method of mounting and operating, E. E. Fitz	4923	" power, A. Tracy	4755
Glue pot, W. S. Herland		" F. X. and A. Bellefeuille	5288
Gold and silver ores, crushed, machine for amalgamating		" J. G. and H. F. Taylor	4387
and for separating, by washing substances of differ-		" rake, G. Barclay and J. Kennedy	4154
ent specific gravities, A. Heatherington	4304	" C. M. Clinton, L. Mood, E. C. and C. P. Gregg	4216
Governor for horse powers, J. D. Heebner and A. H. Seipt	5119	" (extension), C. J. Corbin	4494
Grain, &c., apparatus for discharging, from vessels, C. W.		" J. E. Wisner	4035
Mills.....		" A. S. Walbridge	4874
" binder, C. Jewell	4984	" B. F. Lowell	5066
" cleaner, E. W. Johnson	4677	" D. P. Sharpe	5099
" or corn crusher and spice mill, J. Kaiser	5304	" W. F. Neal	5274
" drilling and seeding machines, J. C. Baker	4144	" R. Wilson	5355
" " machine, feeding mechanism for, P. P. Mast	4835	" shoe, R. F. Cooke	1640
" &c., machine for facilitating the transfer of, W.		" blank rolling machine, W. W. Lewis and J. Mit-	
Goodwin	4728	chell	4388
" and malt drier, F. H. C. May	5304	" machine, L. Myers and T. Armstrong	4440
" scourer and separator, W. W. Ingraham and E. Beard	4211	" " J. Russell	5143
" storage boat, W. and I. Ingalls	4628	Hose coupling, J. Amor	5135
Grate, J. B. Larkin		Hub boring machine, E. Cassell, L. Whitlock and S. Scott	4253
" bars for furnaces, S. L. Legend	4289	" boxes and bands, H. A. Payne	4723
" water circulating and steam generating, W. H. Farris	4404	" for vehicles, elastic, G. Leverich	5289
Grinding ring dress, metallic, E. S. Howland	5386	Hydrant, W. H. McMillan	4930
Guitar head, W. H. White	4348	" street, J. Flower	4909
Gum candy chewing, C. C. Moore	5105	Hydraulic elevator, T. Stebins	5189
Guns, J. L. Kerr	4374	Hydrogen generator and carburettor combined, B. Sloper	4619
" breech loading, G. D. Booth	4521	Ice breaking boat, C. Schaaf and C. Baner	4310
Hame fastening, T. Foster	4276	" cream freezer, churn and egg beater combined, J. L.	
" lock, S. Spicer	4845	Gregory	4856
" J. G. Eberhard	5022	" creeper, A. J. R., S. R. and C. L. Phillips	5362
Hammer, C. Bilbarz	5039	" tool combination, A. V. M. Sprague	4597
Harness, breast collars for, M. D. Murray and J. C. Hut-		Insects, compound for destroying, C. W. Lewis	5051
chison	4883	" gathering machine, W. G. Swartz	5012
" lug-lining, T. E. Webber	4642	Iron, furnace for making wrought, direct from the ore, W.	
Harrow, M. Wilson	4772	A. Stevens and R. E. Cross	5311
" broad east seeder and plaster sower, L. Dague	4673	" glossing and fluting, J. Hewitt	4907
" and cultivator, W. Stafford	5009	" machine for charging heavy piles of, for heating pre-	
" and land roller combined, H. J. Yeargin and W.	4152	paratory to rolling, E. G. Scovil	4714
Keith	5192	" moulding machine, J. Boyle	4245
" and roller combined, J. Vessot, Sr., and Samuel	4224	" ores, furnace for reducing, J. Wilson	4165
Vessot	4426	" and other ores, process and apparatus for reducing,	
wheel, E. R. Powell and F. C. Kennedy	4461	N. W. Wheeler	4156
Harvester, J. S. Royce	4981	" " melting of, E. H. Aydon and E. Field	4130
" C. Russ	5223	" art of piling, E. G. Scovil and A. Rhodes	5120
" H. A. Howe	4227	" steel, &c., manufacture of, W. A. Lytle	4607
" attachment for cutting pease, B. and A. Tolton	4839	" " " apparatus and compounds for	
" rakes, J. H. Myers	4193	production of, S. R. Smith	
" self-binding, J. F. Gordon	5114	and J. Simpson	5218
" D. McPherson	4232	" and steel, art of welding, purifying in melting and	
Harvesting machine, W. F. Cochrane	4232	puddling furnaces and composition for that purpose,	
" " cutting apparatus for, C. Wheeler, Jr.	4617	(extension), D. Litster	4860
Hay loader, E. R. Whitney	4405	Ironing board, S. M. Barr	5024
" H. J. Young	4436	" G. C. Hill	4937
" T. Elliott	4953	" table, U. B. Laberge	4179
" rake, C. Landry	4906	" " J. B. Porter	4653
Heater, J. L. Massie	4237	" " and clothes rock, W. C. Arnold	4353
Heating apparatus, F. Moses	4182	Jack, carriage, painters, A. G. Rykert	5211
" " L. R. Satterlee	4333	" hydraulic, E. Biddle	5174
" " steam, I. C. Richardson	5171	Jib and sail hank, C. W. Clements	4531
" drum, M. Hutchinson	4296	Kiln, G. C. Surls	4195
Heel and sole trimming machine, R. C. Lambert		" for calcining lime, &c., W. S. Sampson	4621
" stiffener shaping machine, L. Cott		" for calcination of plaster of Paris, &c., H. Wandby	4579
" trimming machine, J. W. Brooks		Knife cleaner, F. Doucette	4999
" machine for attaching and trimming, J. W. Brooks		Knitting loom, N. W. Westcott and C. L. Spencer	5245
Heeling machine, J. W. Brooks	5359		
Hinge, J. Aikman	4759		