

- G** Gages, clay, in steel heating..... 151
Concrete, expansion..... 96
Concrete, and crushed rock..... 130
Concrete, waterproofing..... 248
Cook stoves, fireless..... 208
Cooking, fireless..... *330
Copper, native, conductivity..... 496
Copper output 1905..... 424
Copper, micro-chem. detect..... 487
Cork for casks..... 366
Corn, Butte, Arizona..... 26
Cotton plant, utilization..... 343
Crane, electric, 15-ton..... 67
Crib, folding..... *31
Crotan reservoir..... *133
Crystals showing life..... *387
Cutter head, new..... *235
- D** Dams, irrigation..... 242
Dear, suggestions for..... 303
Death test, latest..... 282
Deflector, sound..... *289
Depression recorder..... *52
Devil fish..... *287
Diamonds, search for..... 66
Dirigible, "Patrie"..... *470
Diseases, tropical, study..... 23
Diving dress, De Pluvy..... *423
Dogs, experiments upon..... 101
Dog, reasoning in a..... 55
Door hinge..... *368
Door knob and bell..... *32
Door opener, automatic..... *118
Drawbridge, Duluth, wreck..... *156
Drawbridge protection..... 358
"Dreadnaught," battleship..... *138, *303, 378, 426
Dredge, James..... 134, 246
Drug house, French..... 421
Drugs, pure, testing..... 280
Dueling school, Paris..... *310
Dye, aniline, discovery..... 342
Dyname, experiment..... 485
- H** Hair as health indicator..... 156
Hair, color, restoration of..... 231
Halley and his comet..... 87
Hand, artificial..... *32
Hans, fever..... 230
Head gate, portable..... *179
Heart of Rameses..... 70
Heavens in August..... *63
Heavens in September..... *151
Heavens in October..... *227
Heavens in November..... *209
Heavens in December..... *309
Heavens, visible, the..... *5
Herculanum, excavation..... 388
Hinge, door..... *368
Holly wood, change in..... 302
Hook, self locking..... *32
Hook, two part..... *408
Horse-power of gasoline m..... 246
Hoese support..... *196
Humanity and machinery..... 156
Hydrolyte, for prod. hydro-..... 137
gen..... 190
Hyphens, use of..... 247
- I** Illiteracy in the city..... 174
Insulator, new..... 28
Insulator at Niagara..... 159
Insulators, insulating..... 234
Embossing machine..... *347
Engineering notes..... 486
Engine, exhaust, noiseless..... 399
Engine, steam, design..... *44
Engines, blast furnace gas..... 496
England, disappearing..... 110
Erie canal, enlargement..... *45
Erosion of guns..... 186, 382
Exhibition, Irish internat..... 453
Explosions, boiler..... 322
Experts and imports, group-..... 358
Exports of coke and coal..... 235
Eye-spotting in nature..... *490
- F** Fabrics, electric heating..... *96
Falls, Victoria, harnessing..... 466
Fan, novel..... *32
Fan shield, electric..... 420
Farming, dairy, course in..... 430
Fertilizers, volcanic..... 387
Fever, hay..... 230
Filter, intermittent..... 230
Finger pad, new..... 195
Fire fighting inventions..... *196, *347
Fire, San Francisco..... 110
Fishing sponge in Florida..... 181
Flag, Amer., first salute..... 62, 67
Fleet, Atlantic, review of..... *155
Fleet individuals, uniformity..... 191, 302
Fleets, world's, rating, new..... 338
Flight, dynamic..... 9
Flight of birds..... *363
Floorings, mosaic..... 119
Flowers, preservation of..... 188
Fly, African, new..... 367
Flying machine, evolution..... 247
Flying machines, wind resist..... 9
Fog, volcanic dust..... 230
Food, adulterated..... 115
Food preservation, vacuum..... 211
Food, pure..... 154, 231
Foods, breakfast..... 170, 359
Foods, synthesis a chimera..... 158
Forecast and fulfillment..... 258
Fuel consumpt. of "Lusitania"..... 94
- G** Gage, window casement..... 452
Galley of Lake Nemi..... *25
Galvanizing, zinc-aluminum..... 151
Galveston, city on sand..... *64
Gas engines, large order..... 285
Gas, oxygen, tanks, charging..... 463
Gas, turning off..... *246
Gasoline, auto, Selden..... 63
Gasoline eng. and torp. boat..... 206
Gasoline meters, horse-power..... 246
Gate, head, portable..... *179
Gem mine, greatest..... 170
Geography at Ithaca..... 26
Geology, at Ithaca..... 26
Gila monsters..... *192, 263
Glass, window, sheet proc. 154
Glue, waterproof..... 342
Glidden tour, the..... 9, 67, 81, 95
- M** Gold leaf, applying..... 179
Gold, sources new..... *49
Grand Central Station new..... 463
Graphite lubrication..... 423
Graveyard, prehistoric..... *360
Guns, calibers of..... 242
Gun, electro-magnetic..... *286
Guns, field, new..... 261
Gun, repeating, of 1688..... 137
Guns, trials, English..... 378
Gun, U. S. army..... 170
Guns, erosion of..... 186, 226, 231, 247, 426
Gypsy moth, parasite of..... 23
- H** Hair as health indicator..... 156
Hair, color, restoration of..... 231
Halley and his comet..... 87
Hand, artificial..... *32
Hans, fever..... 230
Head gate, portable..... *179
Heart of Rameses..... 70
Heavens in August..... *63
Heavens in September..... *151
Heavens in October..... *227
Heavens in November..... *209
Heavens in December..... *309
Heavens, visible, the..... *5
Herculanum, excavation..... 388
Hinge, door..... *368
Holly wood, change in..... 302
Hook, self locking..... *32
Hook, two part..... *408
Horse-power of gasoline m..... 246
Hoese support..... *196
Humanity and machinery..... 156
Hydrolyte, for prod. hydro-..... 137
gen..... 190
Hyphens, use of..... 247
- I** Illiteracy in the city..... 174
Insulator, new..... 28
Insulator at Niagara..... 159
Insulators, insulating..... 234
Embossing machine..... *347
Engineering notes..... 486
Engine, exhaust, noiseless..... 399
Engine, steam, design..... *44
Engines, blast furnace gas..... 496
England, disappearing..... 110
Erie canal, enlargement..... *45
Erosion of guns..... 186, 382
Exhibition, Irish internat..... 453
Explosions, boiler..... 322
Experts and imports, group-..... 358
Exports of coke and coal..... 235
Eye-spotting in nature..... *490
- K** Kateri, battleship..... *47
Kattea, the..... 210
Kerosene lamp..... 43
"Kishima," battleship..... *47
Knob and bell..... *32
Kromograph..... *159
- L** Labor saving devices..... *425
Lake basin, Tulare..... 339
Lamp, electric..... 153
Lamp, kerosene..... 43
Lamp, lusel..... *484
- O** Oaks, live, destruction..... *385
Observatory, Greenwich, dan-..... ger..... 102
Observatory, projected..... 432
Ocean waves, size of..... 278
Office building, tall..... *174
Oil, wood, Chinese..... 381
- R** Omnia, capture of an..... 4
Omnibuses, automobile, Berlin..... 192
Omnibus lines, automobile..... 342
Optical illusion..... *49
Ore stamp mill..... *140
Oscillations, electric..... 263
Railway collision, spectac..... 30
Railway, electric, Atlanta..... 210
Railway, electric, Baltimore..... 338
Railway accident, Salisbury..... 27
Railway block signal legisla..... 78
Railway, Cape to Cairo..... *361
Railway coach, quick constr. *81
Railroad collisions..... 426
Railroad, N. Y. C. electric..... service..... 62
Railroad system, our vast..... 298
Railroad wrecks, English cars..... 32
Railway accid. and surgery..... 383
Railway accident, Salisbury..... 27
Railway block signal legisla..... 78
Railway signal..... *327
Railway, electric, Tolkin..... 465
Railway, trans-Baikal..... 465
Railway wreck, electric..... 338
Rain circle, Niagara..... 383
Raisin production..... 63
Rapid transit proposal..... 247
- P** Paige, D. O., death of..... 32
Paint, light, for machin..... 485
Panama, canal for..... *160
Panama, canal by contract..... 278
Panama, canal locks..... 418
Panama, condition at..... *483
Panama, President at..... 398
Paper, aluminum..... 160
Paper consumption, world's..... 367
Paper, cotton stalk..... 67
Paper machine, large..... 368
Park, zoological, novel..... *345
Patent department..... *31, *118, *140, *179, 327
Patent office in 1906..... 443
Patent office congestion..... 378
Patent office gazette..... 52
Patent office, improvements..... 426
Patent office models..... 82
Patent office museum..... *100
Patents, brief notes on,..... 32, 110, 140, 179
Patents in mfg. business..... 235
Pearl, origin of..... 353
San Francisco fire..... 110
Peary's farthest north..... 359
Peary's new polar record..... 343
Sanitation, military, Jap. *136
Sanitation of Washington,..... *152, *173
Santos Dumont's flight..... 216
Sargasso sea, discoveries in..... 110
Satsuma," battleship..... 398
Science, Amer. Assoc. Adv. 23
Science notes,..... 23, 190, 259, 279, 379
Science Notes..... 463
Sciences, Nat. Academy..... 419
Scientific research prize..... 388
Sea, effect on climate..... 130
Seasickness, remedy for..... *367
Seaweed burning, Norway..... 308
Selde patent, the..... 63
Sewage dispos. Washington..... 173
Sewage, nitrification of..... 227
Shark, monster..... *70
Shell, armer piercing..... *234, 235
Ship elevator..... 342
Ship, propelling..... *288
Ship "R. C. Rickmers"..... *250
Ships, old, disposal..... 5
Shipping in Antwerp..... 71
Shoe blacking, electric..... 424
Shoe, rim cut, repair..... 368
Shutter, photo, new..... 425
Sider blonde, phosphorescence..... 23
Signal, railway..... *327
Sink hole, Orlando, Fla. 23
Skate, folding..... 140
Slaughter house, Berlin..... *68
Smelting, electric, iron..... 22
Smoking machine..... *24
Snelus, George J., death of..... 8
Soldiers, tin, toy..... 13
Sound defector, piano..... *280
- S** "South Carolina," battleship,..... *82, *303
Spark coils, care of..... 423
Sparks, high tens. heat of..... 46
Species, origin of, real..... 171
Specific gravity, importance..... 46
Specula, liquid..... 487
Sphere, the mag. 9, *99
Sponge Eshing, Florida..... 191
Spring, vehicle..... *140
Springs, purity, radio-act. 269
Square, try, new..... *388
Star, creation of..... *323
Star, fixed, newest..... 400
Stars, variable, new..... 408
Stars, variable, new..... 467
Statues, unveiled by elect. 366
Steam plowing, auto..... 251
Steamboat, Hudson river..... 150
Steel in valves and pumps..... 196
Steel industry, conditions in..... 378
Steel, malleable, process..... 282
Steps, trolley car..... 380
Stones, precious, imitation..... 419
Stones, precious, in 1905..... 62
Storms, southern..... 467
Stoves, cook, fireless..... 208
Street cleaner's truck..... *328
Street lighting, clockwork..... 261
Steve, cook, fireless..... 380
Submarines, statistics..... 283
Subways, temperature..... 242
Sugar making in Cuba..... 321
Sulphur mines, Louisiana..... *80
Sulphur in wood preserva..... 79
Sun, eclipse of..... *446
Sun, shape of..... 298
Sun, spots and earthquakes..... 283
Sun, spots, cause of..... 263
Survey, magnetic, Carnegie..... 318
Sweeper, street, automatic..... *139
Swimmer, screw propelled..... *158
Switchboard cement..... 5
- T** Tangye, Sir Richard..... 299
Tantalum..... 261, 307
Tarring roads in France..... *188
Tarring, road, on large scale..... 153
Taxidermist, modern..... *102
Technical courses, Columbia..... 408
Technical professions, de-..... mand..... 463
Telegraph, printing..... *178
Telegraph, wireless, Lodge..... *216
Yucca tree *308
- V** Vaccine for tuberculosis..... 306
Vacuum preserving..... 175, 211
Valve, improved..... *52
Valve, stop, safety..... *179
Vanderbilt cup race..... *263, *281
Vehicles, commercial..... *97
Vial, double glass..... 140
Victoria Falls, harnessing..... 466
Villa, Roman, discov. 308
"Ville de Paris," airship,..... 323, *364
Volcanic act. and radium..... 4
Volcanic dust fog..... 230
Voltaic, new insulator..... 28
- W** War cart..... 428
Washington, sanitation of..... *152, *173
Waters, mineral, testing..... 303
Waterproofing concrete..... 248
Water freezing in tubes..... 407
Water, hot, supply to towns..... 190
Water, mineral, examination..... 43
Water-wells, and earth-..... quakes..... 279
Waters, mineral, testing..... 303
Waterproofing concrete..... 248
Water freezing in tubes..... 407
Water, hot, supply to towns..... 190
Water, mineral, examination..... 43
Water-wells, and earth-..... quakes..... 279
Welles, William Henry..... *483
Welding proc., blow pipe..... 4
Wells, blowing..... 115
Wells, vagaries of..... 4
Wesson, D. B., death of..... 111
Wheel and axle, car..... *140
Wheel that carries its track..... 139
Whitewashing tunnels..... *308
Window glass, sheet proc. *400
Window raising device..... *235
Wireless conference, interna-..... tional..... 319
Wood oil, Chinese..... 380
Wood preservative, sulphur..... 28
in 79
Words and letters in Bible..... 359
Wormholes in wood..... 387