



Jaeger
SANITARY UNDERWEAR

The ideal underwear for outdoor recreation. No Motorist, Golfer or Yachtsman should be without it.

Special Weights for Fall
Write for samples and booklet of particulars.

Dr. Jaeger's S. W. S. Co.'s Own Stores
New York: 306 Fifth Ave., 22 Maiden Lane.
Brooklyn: 504 Fulton St. Boston: 228 Boylston St.
Phila.: 1516 Chestnut St. Chicago: 82 State St.
Agents in all Principal Cities

Railway trains, means for automatically controlling the speed of, D. J. McCarthy	867,522
Receptacle, hermetically sealed, J. C. Bowers	867,239
Rheostat, motor starting, E. R. Carichoff	867,475
Rod or hoop mill, F. H. Daniels	867,249
Rotary motor, P. Ellis	867,260
Rotary press, double line, H. F. Bechman	867,230
Saddle, harness, C. A. Spies	867,458
Saw filing machine, L. S. Keeter	867,512
Saw, inserted tooth milling, H. S. Hunter	867,275
Saw support for undercutting, A. E. Shroy	867,428
Sawing machine, G. Walker	867,322
Scaffolding, G. E. Humphries	867,274
Scale, refrigerator weighing, F. D. West	867,327
Separator, See Ore separator	
Separator, Brunner & Buhring	867,240
Sewing machine attachment, E. Eschelbacher	867,263
Sewing machine lock, R. Barr	867,320
Shade pull, D. B. Rawson	867,534
Shaft hanger, E. E. McIntyre	867,291
Shaft suspension, T. W. Capen	867,557
Sharpening the knives of guillotine cutting machines, apparatus for, A. V. Brown	867,473
Sheet metal working machine, E. Riley	867,417
Ship cleaning apparatus, J. A. Kennedy-McGregor	867,513
Sign, street car, W. Brundell	857,554
Singeing and winding machine, W. C. Perry	867,297
Skating rink floor, portable roller, F. E. Young	867,330
Sleeping-bag, pneumatic, T. A. Abbott	867,464
Soap holder and grater, J. J. Lee	867,386
Solder-hemmed cap, E. M. Lang, Jr.	867,383
Solder, manufactured, E. M. Lang, Jr.	867,384
Spike, R. E. L. Simmerman	867,429
Spinning machine, mule, W. E. Ahern	867,332
Spring-platform for vehicle-seats, chairs, lounges, and bed-bottoms, H. Higgin	867,507
Square, folding steel, J. Koop	867,420
Stacker, hay, J. Dain	867,248
Starch powder, laundry, J. Benoit	876,235
Steam engine, F. H. Mills	867,394
Steering gear, M. A. McEntire	867,290
Stoker, mechanical, M. Swintek	867,443
Surgical appliance, R. C. Barrie	867,340
Sweeping compound, B. Singer	867,538
Syringe, J. H. Thayer	867,445
Syringe, vaginal, W. G. Cronkright	867,247
Talking machine sound-box, J. H. Elfering	867,259
Tallying sheet, M. H. Watson	867,325
Tapping die, G. Ermold	867,262
Telephone lines, testing system for, W. W. Dean	867,349
Thill coupling, H. M. Reynolds	867,413
Thread retainer, A. N. Chartier	867,347
Tire-protecting device, L. H. Kinnard	867,515
Tires, etc., device for inflating, R. H. Campbell	867,474
Tires to wheel rims, means for fastening, Bradford & Holden	867,552
Tool, combination, R. Campbell	867,556
Top, E. A. Hoen	867,373
Toy, J. Allen	867,296
Track sander, J. M. Smith	867,434
Traction apparatus, electric, A. Zebden	12,700
Traction-operated implements, attachment for, Helvig & Danielson	867,368
Trains, automatic safety controlling means for, D. S. Affleck	867,331
Tramway, aerial, Gemmer & Schleichner	867,497
Tramways and the like, point shifter for, G. D. Bath	867,528
Tub, See Bath-tub	
Tunneling, D. Maxwell	867,392
Tunneling apparatus, D. Maxwell	867,284
Turbine adapted for the use of combustible gases at very high temperatures, C. Rollin	867,419
Turbine wheel, J. F. M. Patitz	867,407
Type-casting machine, F. A. Johnson	867,277
Typewriter tabulating device, G. W. Campbell	867,243
Umbrella, A. H. Hamberger	867,227
Umbrella, and walking stick attachment, R. J. Newson	867,403
Valuable case, collapsible, J. E. Carroll	867,558
Valve, A. F. Blesch	867,341
Valve, C. F. Obrecht	867,405
Valve, check, Confer & Woodling	867,245
Valve, check, A. J. Pfuger	867,299
Valve for liquid fuel burners, regulating, C. F. Curry	867,560
Valve mechanism, E. H. Holmes	867,273
Valve, plug, M. J. McGill	867,399
Valve, pressure-equalizing, C. W. Henson	867,370
Valve, water cooled, N. McConnell	867,289
Vat cover, bleach and dye, F. R. Vose	867,453
Vehicle, side spring, C. A. Behlen	867,233
Vehicle step, W. A. Lannom	867,385
Vehicles, propulsion of, C. P. Delo	867,254
Vending machine, I. C. Woodward	867,545
Wagon bed and rack, combination, J. I. Sharp	867,309
Wagon brake, L. J. Bonner	867,287
Wagon, dumping, J. Heberling	867,366
Washing machine stand, G. W. Froelich	867,493
Water elevator, pneumatic, Bourne & Stevens	867,470
Water heater, W. P. Cosper	867,480
Water, treating, A. J. Simmons	867,313
Weighing machine, automatic, Douglass & Jones	867,354
Well-making machine, M. D. & R. T. Rochford	867,536
Wheel brace, Z. M. Bonner	867,287
Winding machine, W. C. Perry	867,298
Window, casement, I. Wroblewski	12,699
Window frame, metallic, W. J. Henry	867,369
Wire molding receptacle, three, J. S. Stewart	867,440
Wires and the like, apparatus for straining, C. Burton	867,241
Wrench, C. T. Holman	867,272
Wrench, G. P. Weichel	867,326
Wrench, E. Toward	867,450
Wrench, M. H. Hartman	867,504



Tour to the Tropics

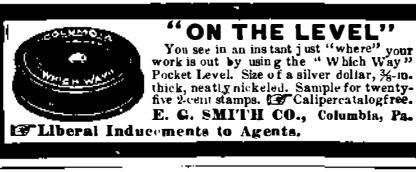
A trip to the beautiful islands of the West Indies, where the sun is generous, the foliage luxuriant and the climate delightful, when the Winter in its solemn grayness pervades the North, is Nature's Call to those in need of rest or recreation.

Jamaica particularly offers unusual advantages for a sojourn—excellent hotels, automobiling and all other outdoor sport. The splendid "Prinz" steamers of the Atlas Service will take YOU there comfortably and quickly.

A 23-day Cruise to Jamaica, Colombia, Costa Rica and Panama, sailing every week—costs but \$115 and \$125.

Send for Free Particulars
Hamburg-American Line
35-37 Broadway, New York

PHILADELPHIA BOSTON CHICAGO ST. LOUIS
SAN FRANCISCO



"ON THE LEVEL"
You see in an instant just "where" your work is out by using the "Which Way" Pocket Level. Size of a silver dollar, 3/16" thick, neatly nickelled. Sample for twenty-five cents stamps. Calliper at 10¢.

E. G. SMITH CO., Columbia, Pa.
Liberal Inducements to Agents.

60 YEARS' EXPERIENCE

PATENTS

TRADE MARKS
DESIGNS
COPYRIGHTS & C.

Anyone sending a sketch and description may quickly ascertain our opinion free whether an invention is probably patentable. Communications strictly confidential. HANDBOOK on Patents sent free. Oldest agency for securing patents. Patents taken through Munn & Co. receive special notice, without charge, in the

Scientific American.

A handsomely illustrated weekly. Largest circulation of any scientific journal. Terms, \$3 a year; four months, \$1. Sold by all newsdealers.

MUNN & Co. 361 Broadway, New York
Branch Office, 65 F St., Washington, D. C.

DESIGNS.

Bedstead, E. de Wolfe..... 38,843

LABELS.

"Banzai Pongee Handkerchiefs," for handkerchiefs, Bacon Art Co..... 13,816

"Buffalo Mead," for a carbonated beverage, T. Brazell..... 13,811

"Fine Rollmops," for fish prepared for the market, S. Schmidt & Co..... 13,812

"H & L Sanitas Soft Finish Gentlemen's Handkerchiefs," for handkerchiefs, Bacon Art Co..... 13,817

"Hydroa," for a complexion powder, A. W. Leaman..... 13,813

"Nedra," for tea, Arbuckle Brothers..... 13,810

"Silkella Handkerchiefs," for handkerchiefs, Bacon Art Co..... 13,815

"U-Auto Polish," for a polish for automobiles and carriages, Shove & Gage Co.. 13,814

PRINTS.

"Apparel for Man and Boy," for clothing, E. L. Boone..... 2,124

"Eventually," for flour, Washburn-Crosby Co. 2,123

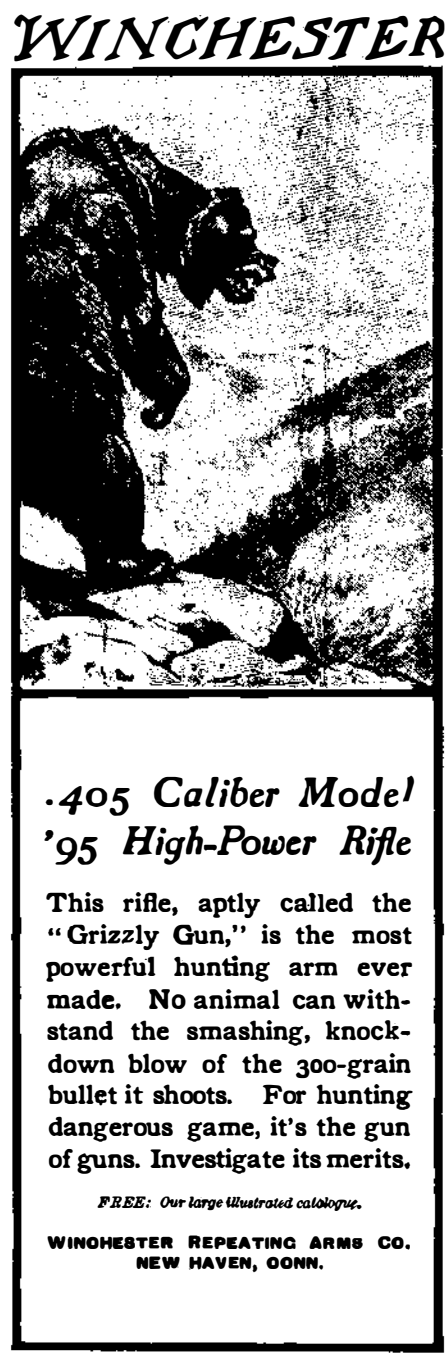
"Men's Apparel," for men's apparel, Schloss Bros. & Co..... 2,125

"Wear Edesco Clothes," for men's clothing, E. E. Strauss & Co..... 2,126

A printed copy of the specification and drawing of any patent in the foregoing list, or any patent in print issued since 1863, will be furnished from this office for 10 cents, provided the name and number of the patent desired and the date be given. Address Munn & Co., 361 Broadway, New York.

Canadian patents may now be obtained by the inventors for any of the inventions named in the foregoing list. For terms and further particulars address Munn & Co., 361 Broadway, New York.

WINCHESTER



.405 Caliber Model '95 High-Power Rifle

This rifle, aptly called the "Grizzly Gun," is the most powerful hunting arm ever made. No animal can withstand the smashing, knock-down blow of the 300-grain bullet it shoots. For hunting dangerous game, it's the gun of guns. Investigate its merits.

FREE: Our large illustrated catalogue.

WINCHESTER REPEATING ARMS CO.
NEW HAVEN, CONN.

Looking for Work

This scene is enacted daily in the office of the Chicago Tribune. Long lines of men and women are continuously inserting their "ads" for situations. How easily any one in this crowd could put himself forever above such a quest for insignificant, poorly paid positions. It is only positions that require special training, special skill, special knowledge that must and do seek the man. Hundreds of such positions are advertised day after day and still cannot be satisfactorily filled.

The American School of Correspondence is constantly fitting thousands of young men to start life in positions where there is an assured future for a man of ambition and brains. It is taking older men from poorly paid, un-congenial work and placing them where there is chance for success. We employ no agents.

Send for FREE HAND-BOOK describing 60 courses, including Electrical, Mechanical, Steam and Civil Engineering, Mechanical Drawing, Structural Drafting, Architecture, Telephony, Telegraphy, College Preparatory.

AMERICAN SCHOOL OF CORRESPONDENCE
Chicago, Illinois

NOTICE TO CONTRACTORS.

SEALED PROPOSALS, suitably endorsed on envelope, for two new boilers at central group, Hudson River State Hospital, Poughkeepsie, N. Y., will be received up to 3 o'clock P. M. on Wednesday the 9th day of October, 1907, by the State Commission in Lunacy, at the Capitol, Albany, N. Y., when bids will be opened and read publicly. Drawings and specifications may be consulted and blank forms of proposals obtained at the Hudson River State Hospital, Poughkeepsie, N. Y., or by application to State Architect, Capitol, Albany, N. Y. Contracts will be awarded to the lowest responsible and reliable bidder unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved.

T. E. MCGARR, Sec'y State Commission in Lunacy.
Dated Albany, N. Y., Sept. 24, 1907.

LET US BE YOUR FACTORY

We estimate on anything you want made to order. STAMPINGS, MODELS, EXPERT WORK

We publish "The Silent Partner," a brainy little magazine, full of good thoughts. Sample free. Write us.

THE GLOBE MACHINE AND STAMPING CO.
970 Hamilton St., Cleveland, O.

WILCHES Corliss Engines, Brewer and Bottlers' Machinery, THE FILTER MFG. CO., 899 Clinton St., Milwaukee, Wis.

MODELS & EXPERIMENTAL WORK. Inventions developed. Special Machinery. E. V. BAILLARD, 24 Frankfort Street, New York.

RUBBER Expert Manufacturers Fine Jobbing Work
PARKER, STEARNS & CO., 228-229 South Street, New York

MODELS & GEAR INVENTIONS PERFECTED UNION MODEL WORKS 193 So. CLARK ST. CHICAGO.

MODELS & EXPERIMENTAL MACHINERY. Tools, Dies, Tools, Novelty, man made tured. Fine, Accurate Work a Specialty. M. P. Schell 1759 Union Street, San Francisco.

We Supply Dies, Pressed Steel Products, Sheet Metal Stampings, Tools, Models, Novelties, Patterns, Special Machinery. Quick deliveries, attractive prices Chicago Model Supply Co., 65 Sheffield Ave., Chicago, Ill.

CEMENT BOOKS. How to Use Portland Cement 50c; Cement Sidewalk Construction, 50c; Reinforced Concrete Construction, \$2.50; How to Build Concrete Block Building Construction, 50c. Sent postpaid

CEMENT AND ENGINEERING NEWS, Chicago, Ill

\$1.00 THE "READY"

The "Ready" is the only instrument made with which you can take measurements and draw sketch of any mechanical layout. Graduated in inches, 16ths or Metric Units. It's a practical tool in every way. You can carry it in your vest pocket. Send us your name and we will tell you more, or send Money Order today. You need the Ready.

READY MANUFACTURING CO.
Dept. A, Rochester, N. Y.

Chemical Analyses

Industrial products examined and working formulas provided, processes improved, counsel and expert evidence. Assay of ores, alloys, water and fuels, etc., etc. Inventors a listed; instruction. Established 1882. Monadnock Laboratory, Chicago.



A Watch Completed

It takes longer to adjust a good watch than to put it together. Real watch-making is not merely assembling the parts, but balancing, adjusting and reconstructing the mechanism to run smoothly, regularly and accurately under all conditions of temperature, position, jar, jolt and vibration. Every

HOWARD WATCH

is completed by the makers. After the movement is assembled it is tested and adjusted until it is absolutely accurate, then it is put in its own case by the makers and again timed and tested for weeks. Any variation caused by changed conditions must be corrected by a complete re-adjustment in the case, so that after the final adjustment every Howard Watch will keep perfect time with the hairspring regulator exactly in the centre of the scale.

To further protect this permanent adjustment—and to give you the means of identifying the case and movement, each Howard Watch is placed in a velvet-lined mahogany case, accompanied by Certificates of Guarantee, giving the movement and case numbers and the fixed price at which the watch is sold everywhere.

Howard Watches are made in men's sizes only. Prices range from \$35 to \$150, the difference being not in grade of materials or workmanship, but in quality of case, number of jewels, and adjustments.

"Watch Wisdom" FREE. We want you to have a free copy of "Watch Wisdom," a mighty interesting book which tells more about time than you ever knew before. It's written by Elbert Hubbard. Write to-day.

E. HOWARD WATCH COMPANY,
South Street, Waltham, Mass., U. S. A.