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Names and Address must accompany all letters, or no attention will be paid thereto. This is for our information and not for publication.

References to former articles or answers should give date of paper and page or number of question.

Inquiries not answered in reasonable time should be repeated; correspondents will bear in mind that some answers require not a little research, and, though we endeavor to reply to all either by letter or in this department, each must take his turn.

Special Written Information on matters of personal rather than general interest cannot be expected without remuneration.

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Minerals sent for examination should be distinctly marked or labeled.

(4666) W. N. asks what they put in the tumbling mills to smooth up broom handles. I want to make a mill for tumbling handles, and don't know what to put in to roll with them. A. Hard wood chips from a turning lathe or wood planer are best. Coarse hard wood sawdust may be used.

(4667) C. E. M., Arizona, writes: We have a number of barrels of cement that got wet in high water last spring. Do you know of any way that it can be fixed so it can be used again? Would like very much to know, as cement is a very expensive article in this country. A. You can only utilize the cement by reburning in a kiln and regrinding.

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Vehicle spring, C. E. Pearl 490,877
Vehicle spring, R. J. Skiles 490,794
Vehicle, spring-propelled, D. M. Pfautz 490,983
Ventilator. See Car ventilator.
Vertical boiler, H. H. Lindemuth 490,669
Wagon dump and elevator, C. A. Nelson 490,674
Wagon, dumping, J. A. Kleen 490,961
Wagon raiser, C. C. Hallman 490,767
Wagon running gear, W. A. Duse 490,903
Waist or blouse, C. A. Scriven 490,686
Warming bottle, electric, T. Ahearn 490,891
Washing machine, H. T. Henderson 491,063
Watch balance staff protector, G. N. Einsele 490,708
Water closet, self-cleaning outside, T. J. O'Brien 490,719
Water gauge protector, G. H. Wall 490,818
Water meter, G. F. Chappell 490,871
Water tube boiler, J. Pierpoint 490,923
Weigher, automatic grain, H. M. Fulwider 490,957
Weigher, grain, C. J. Hartley 490,710
Wheel. See Trolley wheel.
Whiffletree, R. F. King 490,749
Whiffletree clip, E. H. Sawyers 490,683
Whiffletree hook, J. McCrudden 490,672
Whip socket, J. L. Bradley 490,861
Window, B. F. Dettra 491,043
Window frame, W. Young 491,004
Window screen, automatic adjustable, P. H. Niles 490,752
Wire reel carrier, F. H. Carter 490,899
Wire rope fastener, L. J. Widmer 490,796
Wood water pipe, M. D. Arms 490,892
Wrench. See Combination wrench.
Wrench, C. H. F. Kraft 491,056

DESIGNS.

Base or edestal, J. Librowicz 22,165
Bookbinders' cloth, G. H. Winterbottom 22,182, 22,183
Bottle, C. H. Beach 22,167
Bottle stopper or top, J. Librowicz 22,168
Breastpin, J. H. Leyson 22,166
Brush or mirror back, H. Berry ..... 22,174 to 22,177
Curtain pole, L. R. Harsha ..... 22,185 to 22,187
Dish, H. Ratcliff 22,172
Glass dish, ornamental, T. Singleton, Jr 22,169, 22,170
Glass, ornamentation of, W. L. Pilkington 22,173
Paper, sheet of wrapping, B. B. Van Derveer 22,184
Pattern for printed fabrics, C. M. Smith 22,178
Pattern for textile fabrics, J. P. Gelas ..... 22,179 to 22,181
Piano case, A. C. Duncan 22,188
Sprinkler frame, lawn, Baker & Asbury 22,190
Stove, G. W. Cope 22,189
Vessel, A. Steffin 22,171

TRADE MARKS.

Beverages, nutrient or tonic, Coca Cola Company 22,406
Bicycles, Royal Cycle Works 22,413
Brushes, S. Giesecke 22,411
Canned fruits, vegetables, fish, meat, oysters, catsup, and soup, A. F. Remy & Co 22,399
Chocolate, J. M. Chapman 22,389
Cigarettes and cut tobacco, R. Lopez 22,404
Cigars, F. Hanchett 22,402
Cigars, F. Menendez 22,403
Coffins, W. H. Shockey 22,414
Cure for the tobacco habit, Tinker & Hibbard 22,3 2
Flour and meal, G. F. Moyer 22,398
Gas purification, washer scrubber for, Kirkham, Hulett & Chandler 22,415
Glassware, including tableware and fancy articles, Mount Washington Glass Company 22,408, 22,409
Gum, chewing, G. Elmendorf 22,390
Hams, sugar cured, Jersey City Packing Company 22,400
Lamps, incandescent electric, Electric Manufacturing Company 22,412
Lard, sausage, hams, bacon, salt pork, dried beef, and beef tongues, I. B. Mason & Sons 22,401
Mineral water and ginger ale, carbonated and natural, Bethesda Mineral Spring Company 22,405
Plows, cultivators, rollers, and harrows, Wiard Plow Company 22,417
Oils and other wood-preserving compounds, P. H. Gerhard 22,396
Paints for roofs, etc., Mica Roofing Co 22,397
Paints, varnishes, stains, driers, japans, and kindred goods, Chicago Varnish Company 22,395
Powders, headache, N. L. Munro 22,391
Remedy for diseases for the blood and liver, Shawnee Remedy Co 22,393
Slates, Hyatt School Slate Company 22,410
Valves and hydrants, Kennedy Valve Manufacturing Company 22,416
Varnishes, stains, driers, japans, and kindred goods, Chicago Varnish Company 22,394
Watch cases, Crescent Watch Case Company, 22,382, 22,383
Whisky, G. T. Gambrill 22,407
Yarns and thread, cotton, linen, silk, woolen, and hair, Aktiengesellschaft fur Textil-Industrie, vormals Dollfus-Meig & Cie ..... 22,384 to 22,388

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 25 cents. In ordering please state the name and number of the patent desired, and remit to Munn & Co., 361 Broadway, New York.

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