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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.

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(7125) W. H. asks: Can hard rubber plates be used as well on a Wimshurst machine as glass? A. The trouble with hard rubber plates is their liability to warp. Otherwise they would answer admirably. 2. As a Wimshurst machine is more efficient, why do you always see Holtz machines advertised for X rays work? A. The Holtz machines seem more adapted for long sparks. The Wimshurst principle is usually employed on smaller machines.

(7126) C. writes: I wish to cement a glass cover to an iron cistern to contain mercury. Can you, through the columns of your valued journal, inform me how to prepare a cement adapted to this purpose which will likewise be vacuum tight and impervious to heat? A. Try silicate of soda. Your best plan is to attach it by a regular screw and flange attachment, packing it with asbestos board or some equivalent.

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Tool, Ford & Mahler 577,948
Tool, combination, M. D. Letteer 578,249
Toy card, N. M. Russell 578,029
Train controlling device, C. A. Shea 578,298
Trap. See Animal trap. Fly trap. Liquid seal trap.
Trolley catcher, T. Holahan 577,921
Trolley pole controller, L. M. Halsey 577,853
Truck, car, H. Baines 578,305
Truck, car, C. C. Moore 578,042
Trucks, center bearing bolster attachment for car, E. Cliff 578,135
Truss, H. V. Appley 578,184
Tub. See Bath tub.
Tubes, machinery for manufacturing seamless steel, R. Wootton 577,907
Tubing, plant for coating and drying, M. M. Nicholls 577,876
Twine tension device, C. Hanson 578,099
Type distributing machine, P. F. Cox 578,216
Typewriting and adding machine, J. C. Wolfe 578,303
Typewriting machine, F. W. Hillard 577,982
Typewriting machine, C. Spiro 578,121
Valve, Starrett & Welsh 578,274
Valve, gate, H. N. Libbey 577,924
Valve gear, Cochrane & Cameron 578,213
Valve, safety, C. M. Sheldrake 578,046
Vapor burner, H. Gefrorer 577,980
Vapor burner, B. S. Koll 578,246
Vaporizer for petroleum engines, O. Bomborn 578,134
Vehicle, A. Schubert 578,270
Vehicle boot, D. R. Cowan 577,838
Vehicle wheel, C. E. Bulkley 578,035
Ventilator. See Car ventilator.
Violin string clamp, J. B. Mahoney 577,864
Vise, A. Eckert 577,845
Vitascope, T. Armat 578,185
Wagon body, W. H. Boettcher 577,834
Wagon brake, automatic, E. S. Chatfield 578,078
Wagon, dumping, I. B. Chrissinger 577,913
Wagon jack, J. J. Adgate 578,033
Wagon running gear, J. Vaughan 577,892
Waistband, detachable, J. E. Leavitt 578,294
Washboard, J. H. Reimers 578,157
Washboard, J. T. Sargent 578,167
Washboard, Sargent & Reimers 578,296
Washbowl, F. Jones 578,103
Water closet, D. S. Wallace 577,900
Watering device, stock, R. G. Fay 578,141
Weaner, calf, G. Cooley 577,914
Weather strip, J. L. Smith 578,273
Weighing machine, F. H. Richards ..... 578,158 to 578,166
Wheel. See Fifth wheel. Vehicle wheel.
Wheel rim, W. A. Johnson 578,292
Wick lifting device, C. Maschmeyer 578,251
Winding and slitting machine, C. Koegel 577,865
Windmill, Curtis & Peterson 578,287
Window cleaner's safety device, J. F. Girtler 578,145
Window frame, Arnold & Lichtenberger 578,187
Wire fastener, W. G. Hay 578,100
Wire knitting machine, E. Wohlgemuth 577,906
Wire stretching and tying device, T. W. Kirby 577,861
Wood grinding apparatus, E. F. Millard (reissue) 11,590
Wringer. See Mop wringer.

DESIGNS.

Bedsteads, solid spindle for, W. Hess 26,716
Belt washer, F. K. Wagner 26,712
Box, C. A. Morningstar 26,704
Bracket, E. Bersbach 26,700
Carpet, W. L. Jacobs 26,721
Carpet button, stair, D. Walker 26,710
Carpet button, stair, R. H. Warren 26,711
Clasp, W. A. Johnston 26,708
Crumb scraper, L. Wojidkow 26,699
Crumb tray, L. Wojidkow 26,698
Eyeglass lens, P. C. Claflin 26,697
Frying pan cover, C. Eagle 26,706
Furniture pedestal, G. A. Bobrick 26,715
Glass, plate, W. Lender 26,718
Lock case, W. H. Taylor 26,709
Match safe, N. Altmyer 26,703
Phonograph frame, G. Bettini 26,701
Picture frame moulding, etc., C. Bosworth 26,702
Puzzle box, J. L. Hansen 26,705
Rug, A. Petzold 26,719, 26,720
Safe, sleeping car, I. Freed 26,714
Spoons, etc., handle for, A. Miller 26,696
Tampon carrier, etc., U. Harder 26,707
Tile, roof, C. Keiser 26,717
Truck bolster, car, E. F. Geltra 26,713

TRADE MARKS.

Beer, Acme Brewing Company 29,636
Bicycles, Schovering, Daly & Gales 29,644
Boring tools, wood and steel, H. H. Mayhew Company 29,643
Candy, J. A. McClurg & Sons 29,635
Condiments, Papola Company 29,633
Cotton and mixed fabrics, twilled, Otis Company 29,622
Cotton goods, especially sheetings and drillings, Tata & Company 29,625
Fruits, such as oranges, lemons, and grape fruit, citrus, W. B. Wall 29,634
Game apparatus, parlor, Parker Brothers 29,612
Gin, Firm of P. Hoppe 29,641
Gin and other spirituous liquors, National Distilling Company 29,640
Goring, Chadbourne & Moore 29,621, 29,622
Locks, latches, and keys, Yale & Towne Manufacturing Company 29,642
Lye, W. H. Priesmeyer 29,631
Medicine for the eyes, L. Varesio 29,626
Metal, antifriction, R. B. Wilson 29,619
Mouth wash and tooth powder, H. Levers 29,628
Mowers and trimmers, lawn, Pastime Lawn Mower Company 29,645
Needles, T. Harper 29,615
Oats, rolled, American Cereal Company 29,632
Optic glasses and instruments, A. Levy 29,616
Packing, gaskets, and rubber compound, Peerless Rubber Manufacturing Company 29,620
Papers, writing, Mittmeague Paper Company 29,613
Pens, E. Kempshall 29,614
Remedies, hair and scalp, L. P. Elliott 29,627
Rubber or elastic heels for boots and shoes, D. A. McDonald 29,618
Sheetings, drills, and ducks, Stark Mills 29,623
Shoes, C. Kallman 29,617
Soda and silicate of soda not used in connection with compounds for scalding raw wool, caustic, Joseph Cresfield & Sons 29,630
Toilet articles and preparations, Lazell, Dalley & Company 29,629
Tonics and remedies for alcoholism and other nervous diseases, G. L. Weed et al 29,646
Whisky, John Osborn's Sons & Company 29,638
Whisky, E. Walters 29,639
Wine, port, S. Streit & Company 29,637

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