

ter of the wire fixes the fineness. No. 36 wire has a diameter of 5 mils, or 200 to the inch. Allowing for space, this would give a setting of 100 to 150 "threads to the inch." Your other queries are so indefinitely put that they cannot be answered definitely.

(6844) L. J. H. asks: 1. To what resistance should field magnets be wound to be in proportion to armature, or what resistance should armature have, to be in proportion to field? A. See answer to preceding query. 2. How much resistance in ohms has an armature wound with 1,500 feet of No. 26 wire? A. The resistance of that wire is about 61 ohms; on an armature it is one quarter this amount, because it is wound in parallel.

(6845) O. R. says: Can you inform me through SCIENTIFIC AMERICAN (in your Notes and Queries) in what manner I can stamp a name on to oilished and crocused steel, by using rubberstamp? What acids I am to use. A. For etching brands and marks on polished steel surfaces, such as saws, knife blades, and tools, where there are many pieces to be done alike, procure a rubber stamp with the required design made so that the letters and figure that are to be bitten by the acid shall be depressed in the stamp.

(6846) J. C. W. says: We have as great an evil here in the Johnson grass as the Russian thistle in the Northwest. I saw a notice published not long since that one of the great trunk railroads was trying to destroy the weeds and grass along its track with electricity. Was this a success? If so, about what current was used and how often applied? It seems that if the smallest springle of root of the Johnson grass be left in the ground, it will grow and multiply faster than microbes.

TO INVENTORS.

An experience of nearly fifty years, and the preparation of more than one hundred thousand applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequalled facilities for procuring patents everywhere.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted

April 28, 1896,

AND EACH BEARING THAT DATE.

[See note at end of list about copies of these patents.]

Table listing inventions and their patent numbers, including Accumulating brake, P. Otto; Addressing machine, J. S. Duncan; Adjustable table, I. F. Brown.

Table listing inventions and their patent numbers, including Beam clamp, adjustable, A. B. Carl; Bed support, A. J. Robinson; Bedstead attachment, Mauerman & Wunderlich; Belt pulley, J. E. Miller.

Table listing inventions and their patent numbers, including Glove case, Vess & Kenney; Gluing or pasting sheets of paper, machine for; Governor, automatic, R. M. Macdonald; Governor, engine, W. Deunis.

Table listing inventions and their patent numbers, including Spraying device, J. H. Potter; Spring, See Vehicle spring; Sprinkler, See Automatic sprinkler; Stable drain, M. Logan.

DESIGNS.

Table listing designs and their patent numbers, including Belt clip, M. Rubin; Bottle stopper, K. Hutter; Box, G. B. Hurd.

TRADE MARKS.

Table listing trade marks and their patent numbers, including Antiseptic solutions, H. Thayer; Bicycles, L. C. Jandorf; Canned fish, including salmon, F. M. Warren.

PRINTS.

Table listing prints and their patent numbers, including "The Hazelton or Porcupine Boiler, sectional view," Hazelton Boiler Company; "The Hazelton or Porcupine Boiler, with brickwork setting and furnace inclosed by metal casing or jacket and having circular grate surface."