

ture.—Black knot is caused by a fungus known as Ploerightia morbosus. Spores or seeds enter the tissue through cracks in the bark, multiply and grow, forming the "knots." Experiments in Massachusetts indicate that painting the knots with linseed oil or kerosene will prevent further growth. Best and surest way is to cut off branches or knots from large branches and paint wound with some sort of varnish or put on grafting wax to keep out the air.

(6247) J. U. asks: In making the induction coil described in "Experimental Science," what size spark would I get by using No. 30 wire instead of No. 36? A. The spark would probably, for the same weight of wire, be not over one one-hundredth the original length.

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INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted

September 18, 1894,

AND EACH BEARING THAT DATE.

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

Table listing various inventions such as Account keeping device, Acid, making nitric, Adjustable bracket, Air brake coupling, Air brakes, automatic lock for W. Mable, Air or gas compressor, H. A. Barber, Aluminous cake and making same, J. V. Skoglund, Antirust ware, Wells & Allis, Axles, antifriction device for Crocker & Weinbold, Bag, See Hand bag, Bag making machine, W. H. Kerr, Baling press, J. A. Spencer, Ball, See Foot ball, Band cutter and feeder, V. C. Bailey, Band cutter and feeder, C. H. Hill, Barrel, W. H. Cadwell, Battery, See Electric secondary battery, Bearin roller, B. D. Tabor, Bed, J. A. Gillen & Godfrey, Bicycle, W. Belanger, Bit, See Drill bit, Bit stock, F. M. Hay, Block, See Pavement block, Blotting pad, A. Fornander, Blotting, T. Kitson, Blowing gas or compressor, W. E. Good, Boiler, See Steam boiler, Boiler furnace, E. Boileau, Boiler furnace, smokeless, P. J. Bode, Boiler furnace, steam, O. D. Orris, Bolt, J. W. Sammis, Books, blotter attachment for check, Toland & Conkey, Boot or shoe polishing machine, E. O. Bicknell, Boring machine, Pringle & Brodie, Bottle closing device, A. W. Schroeder, Bottle rack, J. E. Goeger, Bottle stopper, G. M. Hitchcock, Bottle washer, T. Wendling, Bottling apparatus, A. A. Pindstoffe, Bracket, See Adjustable bracket, Brake, See Velocipede brake, Wagon brake, Brake mechanism, automatic fluid pressure, H. Gals, Bridle bit, M. Lesser, Bucket, A. Mitchell, Buffing machine, S. W. Winslow, Buggy boot, W. J. Kaufman, Buggy cushion, F. Lon, Burning garbage, etc., apparatus for, J. C. Anderson, Burning garbage etc., method of and apparatus for, J. C. Anderson, Cable grip for locking and other purposes, G. Gardner, Calcium bisulphide, apparatus for making, M. L. Griffin, Calculator, F. G. Nelson, Can, See Oil or gasoline can, Car and air brake coupling, combined, S. W. Summers, Car coupling, W. F. Drew, Car coupling, N. B. Duggan, Car coupling, P. H. Hitchcock, Car coupling, J. O. Miller, Car coupling, J. J. Schuler, Car, express, Morel & Ferrer, Car, freight, J. Rhoads, Car rate, A. M. Black, Car railway passenger, J. K. Brown, Cash register and indicator, J. P. Cleal, Cereals, preparing, W. Onderdonk, Chain, conveyor, J. Dick, Chain, drive, J. H. Mitchell, Chain, galvanic, F. Fritzsche, Chair, See Dental chair, Revolving chair, Charcoal, treatment of animal, J. A. Dubbs, Check attachment, R. Sears, Check, conductor's, A. Ross, Cheese curd in a continuous manner, producing, E. G. N. Salenius, Chromium, electro deposition of, Placet & Bonnet, Cigarette machine, continuous, A. L. Munson, Cistern cleaner, J. W. Hawk, Clamp, See Fence clamp, Clippers for wool or hair, construction of mechanism, Ashberry & Barnes, Clothes drier, L. W. Pond, Cloth drier, R. T. Wingo, Coal or coke for, J. Kretz, Coal or rock drilling machine, E. Carnduff, Coffee pot, J. Tobin, Coffin and lift, W. H. Pope, Collars, machine for forming turndown or rolled, R. N. Martz, Condenser, surface, F. M. Wheeler, Converter, multiphase, H. O. C. E. Wagemann, Cooler, See Milk cooler, Cores for casting hollow cylinders, F. Gandy, Cores for casting, apparatus for manufacture of, W. H. Drake, Cotton openers, etc., dust or cleaning trunk for, J. C. Potter, Cotton picking fingers, driving mechanism for, A. Levadahl, Coupling, See Air brake coupling, Car coupling, Car and air brake coupling, Hose coupling, Pipe coupling, Water closet coupling, Crib, folding, J. S. Mackie, Crupper fastener, C. E. Barker, Cultivator, Ashberry & Barnes, Cup head or piston packing, J. F. Pruden, Curtain attachment, window, J. M. Freeman, Cushion, See Buggy cushion, Cut-off mechanism, W. W. Wallace, Cutter, See Band cutter, Cylinders, securing teeth to, J. H. Dunbar, Dental chair, E. B. Cushing, Dental plates, forming, G. W. Trapfagen, Depth gauge, A. G. Hollister, Dial transmitter, Pearce & Brouch, Disintegrating device, W. Moackler, Disintegrating fibrous plants, machine for, A. L. Byla, Display holder, A. L. Stone, Dock, dry, Moerer & Eipel, Door check, F. A. Phelps, Door lock, sliding, W. H. Kaldrier, Dough raiser and fruit drier, S. Q. Duncan, Draught equalizer, H. Sturm, Dress shield, E. M. Welcker

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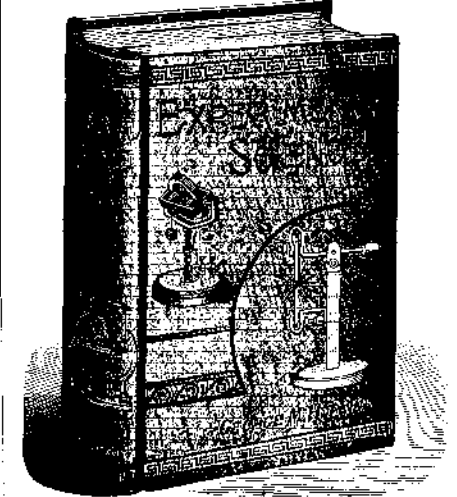
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