ture.—Black knot is caused by a fungus known as Plowrightia morbosa. 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.

TO INVENTORS.

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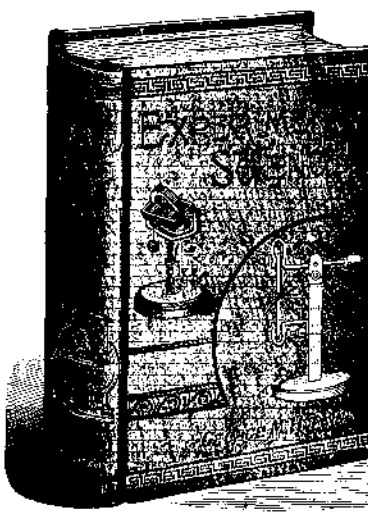

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