

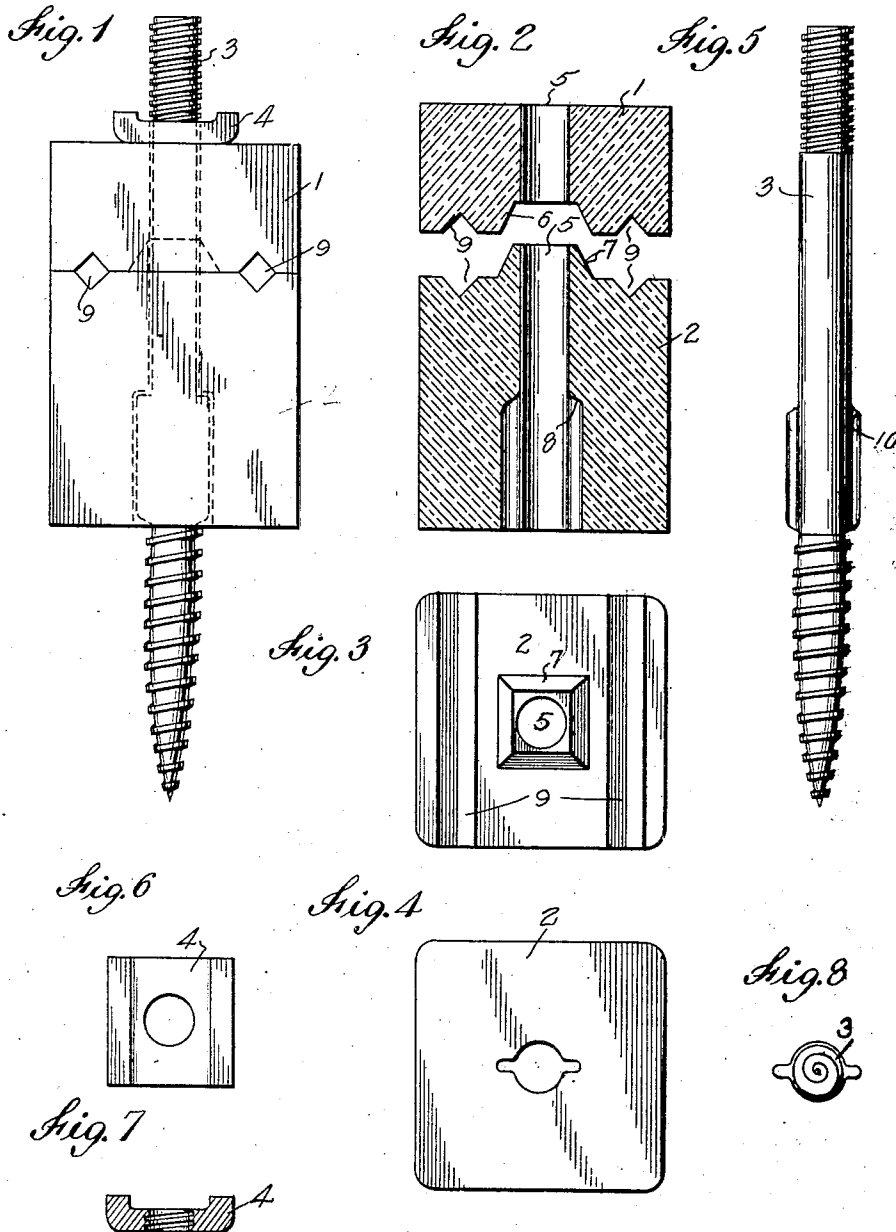
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ELECTRICAL INSULATING KNOB

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ELECTRICAL INSULATING KNOB.

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My invention relates to improvements in insulating knobs in which these knobs can be screwed into wood surfaces by a wrench without the use of a screw driver. Another special feature is the machine threaded top with nut to tighten the top half of knob down on the wires to be held in place.

I attain these objects by the illustrations in the accompanying drawing, in which,

10 Figure 1 is a side elevation of porcelain knob complete in two parts, with screw and nut; Fig. 2 is a section through knob showing the two parts, and how the bottom half fits into top half; Fig. 3 is a plan of lower half of knob at top; Fig. 4 is a plan of lower half at bottom; Fig. 5 is an elevation of screw showing flattened piece in lower part of body and with machine thread at top and screw thread at bottom; Fig. 6 is a plan of nut; Fig. 7 is a section through nut; Fig. 8 is a plan of screw at the pointed end.

Similar numerals refer to similar parts throughout the several views.

25 Fig. 1 represents the porcelain knob complete in two parts 1 and 2, screw 3 and nut 4.

The top and lower halves of the porcelain knob have a circular hole through the centre as at 5 in Figs. 2 and 3, and the bottom part of top half 1 is recessed as at 6 in Fig. 2 to take the projection in top part of lower half 2 at 7 in Figs. 2 and 3, also on each side of the center of lower half of knob at the top a V shaped piece is cut out as at 9 which fits over V shaped piece cut out on each side of the center of top half so as to allow the wires to pass through and to keep them tightly in place when the top half is screwed down by nut 4.

40 The lower half of knob has a circular hole through the center and about half way down this hole is widened out as at 8, in Fig. 2, so that the shoulders of flattened portion of screw at 10, of Fig. 5, will rest against them and so prevent screw from being pushed up when knob is screwed into any wood surface.

45 The threaded nut 4, tightens the upper half of knob after the lower half has been screwed into the wooden surface.

I am aware that prior to my invention porcelain electrical insulating knobs have been made, I therefore do not claim such a combination broadly, but,

What I do claim is:—

1. In an insulator an attaching means having lag screw at one end, a clamping thread and nut at the other end, intermediate lateral projections formed just above the lag screw portion and a square insulator body formed in two sections having a central opening extending through both sections, the lower part of said opening in the body portion having lateral extensions adapted to receive the lateral projections of the attaching means whereby the body of the insulator may be used to force the attaching means into its support.

2. An insulator comprising a rectangular body of vitreous material formed with a body portion and a cap portion, complementary conductor grooves formed in the meeting faces of said portions, a centrally disposed, squared boss projecting from the meeting face of the body portion and a complementary recess on the cap portion adapted to receive said boss, a centrally disposed opening extending completely through both portions, said opening having diametrically opposite extensions at the base of the body portion, an attaching member having wings adapted to fit the extensions of the central opening disposed within said opening, said attaching member having a lag screw portion extending beyond the body portion of the body and a threaded portion extending beyond the cap portion of the body, and a clamping nut mounted on said threaded portion.

3. In an insulator, an attaching means having a lag screw at one end, a clamping thread and nut at the other end, and having an intermediate projection, and an insulator body mounted on said attaching means having an opening to receive the same, said opening have a recess providing a shoulder against which said projection seats.

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