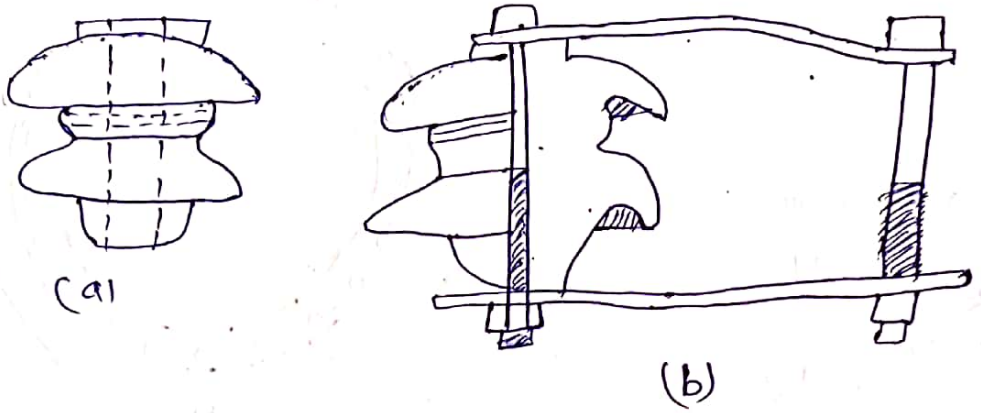
Qus:→ Sketch the figure of pin insulator ? And also draw the figure of conrete pole?

Ans:→ Draw the sketch of



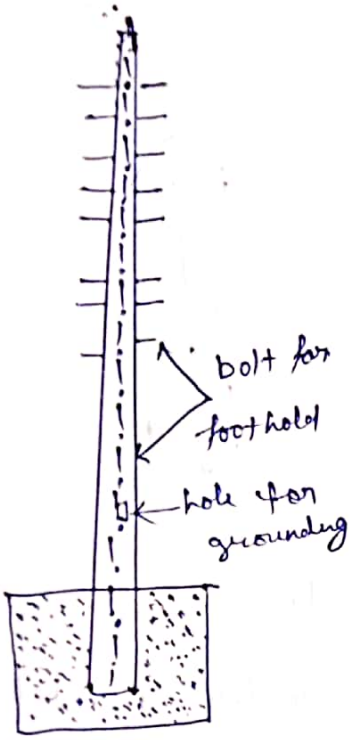
(a)

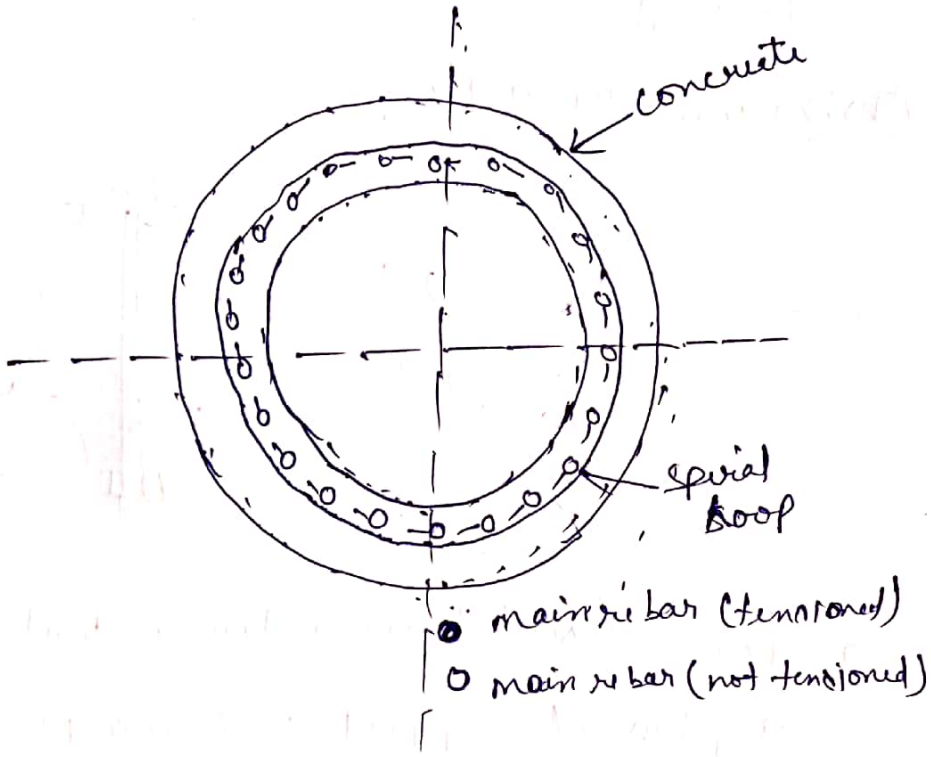
(b)

a. Pin Insulator is a device that isolates a wire from a physical support such as a pin (a wooden or metal dowel of about 3 cm diameter with screw threads on a telegraph or utility pole is formed a single layer shape that is made out of a non conducting material usually porcelain or glass. it is thought to be earliest developed overhead insulator and still properly used on one physical support the number of insulators used depends upon the application voltage.

Pin insulator are one of three types of overhead insulator the other beings strain insulator and suspension insulator unlike the other pin insulator are directly connected to the physical support compared to being suspended from the wire Pin insulators are shaped to allow the secure attachment of the conducting wire and avoid—

Prestressed Concrete Pole.





using the reinforced member (a) monopolar power transmission lines (b) bipolar power transmission lines (c) wind turbine towers (d) electric power distribution substations and (e) poles of overbridge

rapid industrial development increased the need for electric power and consequently intensified the construction of overhead power lines due to their great strength and small weight as well as durability. Spun reinforced concrete member were widely used for electric power transmission purposes.