

A DRAINING DEVICE FOR WEAK GROUND
ABSTRACT OF THE DISCLOSURE

The present invention relates to the draining device for weak ground to provide the drainage in weak ground by clamping the paper into weak ground that would moisten the water thoroughly and drain off. In other words, the object of the present invention is to guarantee the credibility in operating the device, according to the present invention, by installing of the wire 4 matching the point that conforms to the central line P of the casing 2 thereof, such that the phenomenon of the eccentric loading to the front and the rear while operating the lifting of the casing 2 is prevented, beforehand, and the durability of the device highly improves thereof, by controlling the tension simply although the wire is expanded through a long time driving thereof, by installing wire drum 16 on both sides of the casing 2 that stabilizes the lifting of the casing 2 thereof, by establishing the spiral concave hole 16a on the surface of wire drum 16 of which would prevent the running off of the wire 4 thereof, as both sides of the upper end on the casing 2 are coupled with the holder 3 that is formed at the same point as the location of the center line P on the casing 2 by means of one end of the wire 4 thereof, and as the other end of the wire 4, that is coupled with the upper end of the holder 3, is fixed on one side of wire drum 16 of the driving mean 6 of which is established on each side of guide supporter 9 after passing through guide roller 21 of which is equipped axially on the top and lower parts of guide supporter 9 thereof, and as the wire 4 that is coupled with the lower parts of the holder 3 is installed on the lower parts of the guide supporter 9 and then fixed on the other side of wire drum 16 of the driving mean of which is installed in both sides of guide supporter 9 by passing through guide roller 24 that is lifted by the tension control device 23 thereof, moreover the spiral concave hole 16a is formed on wire drum 16 and the hydraulic motor 20 of which is installed

could perform the static driving thereof, regarding of the casing 2 that has the connecting hole 11 of the paper 10 of which is lifted according to guiding supporter 9 to clamp off the paper 10 into the weak ground and regarding of the draining device 1 of weak ground of which has the driving mean 6 that operates the lifting of said casing 2.

(FIGURE 1 IS SUGGESTED FOR PUBLICATION)