

which will serve the double purpose of draining the churchyard and slopes and of assisting the latter to remain in position.

"These drains will consist of trenches filled with rubble, a pipe, of which the lower half of the joint is cemented, the upper half being left open, being laid on clay puddle throughout its length, and discharging on the beach.

"At the foot of the cliffs a reinforced concrete wall will be required, to prevent further erosion of the limestone beds by the action of the sea.

"This work will be carried from the end of the existing wall following the base of the cliff to a point 290 feet to the north. At the northern end a small groyne might be placed with advantage to accumulate shingle as much as possible in front of the wall.

"The shale beds above will be protected at intervals by masonry."

For the consolidation of the ground on the completion of the work the slopes at the top of the cliff were planted with willows at 1-yard intervals. Though these were entirely suitable for the purpose, they were gradually replaced by a miscellaneous assortment of garden shrubs, which, proving unsatisfactory in the position, have been discarded and willows once more reinstated.

The object of vegetation in positions of this kind is by deep penetration of roots to prevent movement of the ground below, and also by its matted growth at the surface to arrest crumbling and slip. Such vegetation by its sheltering effect will further prevent the ground from cracking in dry weather. The plants most suitable for the purpose are vigorous growers, with a tendency to "run" and form numerous offsets. Willows are good, especially *Salix pulchra*, and so is *Populus deltoidea*, on account of its deep-rooting capacity. In climates free from danger of severe frosts Tamarisks may be used with advantage, whilst species of *Spiræa* and the Snowball plant (*Symphoricarpos racemosus* and *vulgaris*) are recommended on account of their free "running" habit. In many situations the Red Valerian (*Centranthus ruber*) very rapidly covers the steep broken sur-