THE PROFITS OF TREE PLANTING IN FRANCE

by Dr. B. E. Fernow

The movement for recovery of waste ands in France dates from the begin-tended of the 19th century, and today private effort, encouraged by legislate acts during the last sixty years, restored more than 2,500,000 acres of lost ground to forest production.

large extent in which systematic effort in this direction has been made, the Landes of South-western France lands plains of La Sologne, the sandy plains of La Sologne, the the mountain slopes in the Vosges and lands. Alps.

The sand dunes on the coast of the comprise around 350,000 acres; on the coast of Gascony, in the western. France, alone have an tent of nearly 250,000 acres, these the most important and having the most important and having a long time endangered the adaptive pastures and fields. It seems the land occupied by dunes was smally forested and that these were tent to the land occupied by deforestation.

early as 1717 attempts at retation were made by the inhabiand from that time on small gs were sporadically made. But lnauguration of systematic reforion was begun only after a ble report by Brémontier, who in secured, as chief engineer of the as chief chightenent of Bordeaux, a sum of to be employed in ascertaining Possibilities of making a canal the Landes and of fixing the As a result of this beginning, method for their recovery having by 1793 experimentally deterby Brémontier, 275,000 acres of and have been fixed during sast century. The revolutionary inment in 1799 created a Com_ of Dunes, of which Brémonwas made president, an annual Priation of \$10,000 was made,

later (in 1808) increased to \$15,000. In 1817 the work was transferred to the Administration des Ponts et Chaussés. The appropriations were increased until in 1854 they reached \$100,000 a year, and in 1865, the work being nearly finished, the dunes were handed over to the forest administration. There being still about 20,000 acres to be recovered, this was achieved in 1865, when 200,000 acres had been reforested at an expense of about \$2,000,000, and an additional expense \$700,000 to organize the newly formed pine forests. These, at present with their resinous products and wood are furnishing valuable material. An unfortunate policy of ceding some of these forest areas to private and communal owners was inaugurated as the planting was finished, so that at present only 135,000 acres remain in the hands of the state. The returns from the sales, however, reimbursed the cost of the reboisement in excess by \$120,000, so that the state really acquired for nothing, a property. now estimated to be worth \$10,000,000.

Another Forestation Success.

To the eastward of this region of dunes stretch the so-called Landes, a territory triangular in shape, containing 2,000,000 acres of shifting sands and marshes, on which a poor population of shepherds (on stilts) used to eke out a living. In 1837 an engineer of the administration of bridges and roads conceived the idea of improving this section by reforestation. and at his own expense recovered some 1,200 acres in the worst marsh by ditching and planting. The success of this plantation invited imitators, and by 1835 the reforested area had grown to 50,000 acres. This led in 1857, to the passage of a law ordering forestation of the parts of the land owned by the communities, the state at the same time undertaking the expense of building a system of