ed to \$118,433,443, and were of two classes, nonspeculative and speculative, and defaults have been largely confined to the latter group. At the date mentioned, 71% of all bonds solds by these districts had been paid when due both as to principal and interest. During the years 1915-21, less than 1% of the bonds sold were unpaid, due largely to more effective State control, greater discrimination by bond investors, and more general conservatism in promotion.

Failures have generally resulted from inadequate water supply, unproductive lands, over-capitalization, faulty engineering, insufficient settlers, and over optimism, as well as to manipulations of promoters, connivance of some bond houses, and lack of Government restraint.

Essentials for Success

Essentials for success have been: productive land, good markets, sufficient water supply, reasonable capitalization, adequate settlement, and proper Governmental control. In Southern Alberta we have ample water supply, which the Federal Government controls. Many projects have been shown to be economically sound by the Reclamation Ser-

Provincial Government, which then made possible the creation and construction of projects or irrigation districts. First to response with the

Capital Provided by Government Bonds

Capital with which to carry on the construction of these works was made available by dehemanes issued and disposed of under full guarantes for both principal and interest by the Provincial Covgenditates are approved by their imigatica. Council and these are approved by their imigatica. Council and these are approved by their imigatica. Council about 165,000 acres, and the bond issues coverage their construction costs amounted to \$0,000,000 about 165,000 acres, and the bond issues coverage their construction costs amounted to \$0,000,000 about 165,000 acres, and the bond issues coverage within the districts. The bonds have a life of 30 is addition to these under the available funcing addition to these under the state of the solution is addition to these under the available funcing addition to these under the states on these isomer within the districts. The bonds have a life of 30 in addition to these under the thread of states and the addition to these under the states of the isomer or states are in variants states of pretioner or statige and the districts on the states and the out the states are in variants states of pretion at the districts.

The most serious problem get to be worked out in connection with these systems is that of colonization, and a reduction in the size of the holdings; so that the construction, maintenance and operation charges can be net by the occupants of the land.

On December 31at, 1921, in the United States, 344 integation districts were in operation, 37 prigarion districts were under construction, and 159 unitantion districts were in the preliminary stages, and during 1921 these districts unigated 2.857,000 acres of land.

The hond issues covering these districts amount-

vice Engineers as far as construction charges are concerned. We have the climatic conditions and the requirements of soil fertility, as has just been again proven by a world record wheat crop on some six million acres, and by the numerous prizes won on grain and fodder crops at the recent International Exposition at Chicago.

Irrigation within practicable and economic limits is fundamentally a sound system of agriculture in Southern Alberta, and provides outstanding opportunities for the creation of self-supporting and selfowned farm homes. The irrigated districts will open up possibilities in diversified farming and the establishment of kindred industries not elsewhere possible. They will become the cradle of an enormous feeding and finishing industry, and will ultimately form the most productive and most intensely cultivated areas in Western Canada. They will result in smaller farm units and closer settlement, better social conditions, multiplicity of crops, and the subsequent creation of such industries as seed growing, sugar beets, and canning; and above all, they will provide greater opportunities for real home-making, which means so much towards a permanent system of agriculture.

Officeroop fatusing is a potentious soil robbat. Diversified fatuating with crop totation restores soil tertify conserve it, and man was in and we possible of a belanced selection of the warmity of products that is likely to keep the fature; most profitably employed throughout the streatest pertion of the year as well as a selection and a balancing of products with reference to the markets available. The area streated during 1920 on the United

States Redematical Service projects alone, was 1-2.23,000 agree; and a crop census of these projects for the years 1970-69 showed that shelt swarage ecop retains per acre ware double those from the ligran lands of the blanted States as a whole. An products about 05% were such as ran be successbilly grown under unigation in Southern Alberta, matuding grown under unigation in Southern Alberta, whereas the notes for fruits and cotton only amounted to 50% of the whole. In regard to the cast of summer fallowing, together will in rocal one question of expenses, it may be stated that the treest and upkeep, on idle that, are then and producing him on states in the state of the cast of summer fallowing, together will the rocal one treest and upkeep, on idle thad, will in rocal ones producing him and a the states will in rocal ones that the availed - but means one fruits again in the motion of states and that, acre for, and of the stating the province, as a sense of the states in the availed - but means and there then the availed - but means and public state that is subject to seasons of short rainted there is subject to seasons of short rainted there is subject to seasons of short rainted. The poet as a so called wet season comes around the viewes of purce everyone is an triggation entimated; but when