

IX. SUMMARY.

1. The juices of POJ 2878 and BH 10(12) were analysed for Total Solids (Ref.Brix), Spindle Brix, % Pol, Apparent Purity, % Sucrose, Gravity Purity, Ash % Total Solids, Dye Number, Pectins % Total Solids, Ether extract % Total Solids, Pentosans % Total Solids, Total Organic Nitrogen % Total Solids, Non-Protein Nitrogen % Total Solids, and Protein Nitrogen % Total Solids.
2. These results were expressed graphically, and an attempt made to discover any characteristics of the POJ juice which differed from those of the BH 10(12) juice, and which might be responsible for the poor defecating qualities of the former.
3. Preliminary Laboratory clarification experiments were carried out on the juices of POJ 2878 and BH 10(12) in an attempt to find a method suitable for treating the former.
4. After the first 6 trials, the three most likely methods were selected and further work carried out on them.
5. Finally one method of clarification (Fractional Liming and Double Heating) was selected as being the 'best, and a more detailed comparison carried out between this and Ordinary Liming and Heating.
6. The comparison between these two methods was then continued in the I.C.T.A. Experimental Sugar Factory where Fractional Liming and Double Heating proved to be far superior to Ordinary Liming.