## CONCLUSIONS.

In concluding the discussion un this part of the invertigntion, we may endenvour to liriefly unsirer the questions: How far dons the composition of the wheats as revealed by chemistry agree with the eftional grading? Can we prediet fromsuch wheat nualyes the guatity of quality of flome to le chitained therefrom?

Wi. find a great similarity in compesition tetweeln the whents, empecinlly among the higher members of the serien, as regarils all the more important constituenta, i.e., thres which oIect the breal-naking enulity, and we should presurmise, therefore, tha:t the grading has heen based upon the relative yieh of first quality flour (of which colonr is an inportant factor) rather than unom the cosential differenees in what might be termed the erlative strengths of the whats.

As regaide quantity of flour, we have rhown that in such a serieg the weight of the kermel nud the weight per buthel, and to a minor degrec, the fibre, indiente the relative flour yidd. Otar results in thrse determinaticus are in excellent aecord, supporting the supposition that the grading of the wheat has been made primarily from the standpoint of yield of first quality flour.

The percentage of protein in the wheat undubtedly is a measure of the strength of the resultant flour, but if we except No. 2 Feed and No. 5 Frosted we seareely think it would be justifiable to use difier nees in protein eentent suel as we have met with hetwen there whats (frequently lese than $\because \frac{2}{5}$ jue "ent), as a basis for the arramgement of the whents in their orler of merit. And the same holds true for the duta regarding gluten and gliadin. It is highly signifiennt, therefore, that the resultant flours were found so uniform in quality for bread-making.

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