

## APPENDIX No. 4

Q. How many bushels to the acre do you think that would bring?

A. If a certain number of straws from Ontario would produce thirty bushels to the acre, that northern wheat with the same number of straws would produce fifty bushels.

*By Senator Jaffray:*

Q. If that district were settled and cultivated, can you give us any estimate of the quantity of wheat that could be produced there?

A. No, I would not attempt to do that. But I would say this, that the day is coming in which that north country that we consider of no value will be as great a country as Germany is to-day. That is the country that we do not know anything about at present.

*By Mr. Thompson:*

Q. Is there very much of that Peace River Valley that is alkaline?

A. The banks of the Peace River are of the same kind of shale that this gentleman was speaking about. You will remember if you have been there that the alkali comes out at the side, but I could not tell anything about it, I was not through the country enough to know; but in the river valley, yes, there is a number of alkaline springs.

Q. To what exhibition did you send the samples?

A. The Centennial, in 1876, and obtained the bronze medal for both wheat and barley gathered at Lake Athabaska in latitude 59° on August 23, 1875.

Q. At Philadelphia?

A. Yes, thirty years ago last year.

Prof. Macoun then retired.

The committee then adjourned.

JOHN MACOUN,  
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Geological Department.*