

## APPENDIX No. 3

the history of the case, and we get pretty well to the cause in most of the cases; we find that in most cases there is what we call predisposition, and that there is some other cause which supervenes, which may not have any influence in the case of people who have no predisposition, but has a certain connection with it.

Q. Other witnesses we have had on that point were particular in saying that it was the assigned cause, they never went so far as to say it was the real cause?—A. There is no doubt in my opinion that with the record of such a number of individuals using tobacco without direct evidence of evil effects being produced there must be some other cause besides that, peculiar to the individual in question, which is responsible for insanity.

*By Mr. Thornton:*

Q. What is the principal cause of insanity?—A. We found after making a very thorough study that 47 per cent of the cases are due, either directly or indirectly to the use of alcohol.

*By Mr Morphy:*

Q. Going back for a moment, doctor, to the question of the five cases traceable to smoking, what examination was made from the point of view of hereditary taint, and how far did you go back?—A. We found in some cases distinct hereditary history and other cases had in a physical sense hereditary malformation.

Q. Out of 8,489 patients in 20 years you found five in which insanity was traceable to the excessive use of tobacco?—A. Of the cigarette.

Q. To the excessive use of the cigarette?—A. Yes.

Q. And in how many of those first five cases have you cleaned up the hereditary idea?—A. We found that all of these five cases were what we call 'pre-disposition to insanity'; those of which we found no history had malformations.

Q. So they would not be traceable in themselves to the cause of tobacco?—A. Exactly.

Q. They would not be traceable themselves exclusively to the use of tobacco, because there was malformation physically?—A. Exactly.

*By Mr. Schaffner:*

Q. What percentages of your cases of insanity among young men do you attribute to masturbation?—A. Just exactly like the other causes, a limited number.

Q. You are a medical man, are you?—A. Yes.

Q. You know that every doctor has serious experience along that line with boys who read these advertisements in the newspapers as to the results of the practice and they become alarmed that they will have to go to the asylum as a result. In your opinion what percentage of the boys who become insane reach that condition as a result of the practice I have referred to?—A. I cannot state positively, but not more perhaps than two or three cases in a year are found to be due to that cause.

*By Hon. Mr. Lemieux:*

Q. You are quite an expert not only in regard to mental diseases, but also with regard to nervous diseases?—A. Yes.

Q. Do you think that the abuse of cigarettes, especially with young men will cause a high tension of the nervous system?—A. Yes.

Q. And that the first result of that abuse is that it leads to others?—A. Yes, I certainly believe that the use of cigarettes is harmful.

Q. Amongst the boys?—A. To young people below sixteen years of age it is very harmful and I certainly believe that the first effect is that the moral sense is blunted, then the mental faculties become affected and I may add this that we have not yet a full knowledge of the question because excessive cigarette smoking to my knowledge is something that has only occurred within the last ten years. The full effect of it will be felt later on. It is a cause in the making.