

### 1. Metals and their ores:

The ores of the following metals have been profitably mined in the province: gold, silver, platinum, iron, nickel, copper, lead, zinc. A small amount of molybdenum ore has also been produced. Most of the other metals, both common and rare, which are used in the arts are found here. For example, the richest ore of aluminum, corundum, is found, as already stated, over a large territory. This substance, however, brings a higher price as an abrasive material than as an ore, and is consequently not used for the extraction of the metal. Titanium, which appears to be destined to play an important part in alloys, occurs in numerous, at present undeveloped, deposits. Tin has been found in small quantities in the vicinity of Sudbury, and in Renfrew county. Mercury has been found at one locality, Silver Islet, in very small amounts. The metal tungsten, as already stated, has been found only in a boulder. Arsenic, the chief use of which is not in the metallic form, and other metals which are employed in the arts in the form of oxides or other compounds will be discussed under other headings.

*Gold.*—Considering the extent of territory over which gold deposits occur in the province, and the numerous areas in which prospects have had more or less work done on them, it must be admitted that we have large undeveloped resources in this metal. The present state of our gold mining industry is due chiefly to incompetent management, stock-jobbing and other speculative factors—the parasites which attack the industry in all countries while it is in a weak, undeveloped state. It is to be expected, however, that after the epidemic has spent its force, like those which at times attack our bodies, the industry will be in a sounder condition, and will soon reach such a state of healthy development that parasites will be ineffectual to injure it. Our President has stated that the most promising gold prospect he examined while in the service of the Geological Survey, in the Lake of the Woods area, 21 years ago, has lain untouched ever since, being tied up through the belief of the owners that they could make a profit through someone else's expenditure. Mr. Carter shows in his paper