

1. In our Silver Ore regions the great heaps of metallic Cobalt and Cobalt Oxide for which we have found no use.
2. We need a plan to separate out nickel from low-grade ores.
3. Investigation as to qualities of Illuminating Gas.
4. Investigation of Anhydrite.
5. Remedy for Sulphur in Coal.
6. To find cause of explosibility of Coal Dust.
7. How to utilize Straw.
8. How to utilize wood waste.
9. How to utilize smoke.
10. How to utilize hardwoods.
11. How to utilize sewage.
12. How to utilize tar as a by-product.
13. How to utilize waste in Wood pulp (50 per cent).
14. How to utilize peat.
15. How to utilize by-products of shales.
16. How to treat pulp of various kinds.
17. How to obtain a safe bleaching agent.
18. How to improve paper making.
19. How to acclimatize corn.
20. How to acclimatize Alfalfa.
21. How to acclimatize Wheat.
22. Investigation of water-lifting in the soil.
23. Methods of meeting hurtful insects.
24. Improvement in Leather.
25. Improvement in Glass.
26. Improvement in Glue.
27. Improvement in Enamel.
28. Improvement in Gas producers.
29. Treatment of British Columbia ores by electricity.
30. Methods of utilizing fish waste; and so on.

But in Canada, though we may be far behind the Industrial Nations of Europe, we have the future before us. How are we to meet these and hundreds of other problems? We are to follow men who observe and men of experience, who know.

Our late King Edward inherited from his father, the wise Prince Albert, the true spirit of a forward Industry. This is what King Edward said:—"The prosperity, even the very safety and existence of our country, depends on the quality of the scientific and technical training of those who are to guide and control our industries." And not less decided and far-seeing are the words of our late King's nephew, the present Kaiser, Wilhelm of Germany. In opening a new University in