

CONTENT

		Page
1.	Introduction	1
2.	Phosphoric Acid in Animal and Plant Life	15
3.	Sources of Phosphoric Acid and Their Classifications	27
4.	Florida Hard Rock Phosphate	44
5.	Florida Pebble Phosphate	50
6.	The Phosphates of Tennessee	72
7.	Western Phosphates	84
8.	Phosphates of South Carolina, Kentucky, Arkansas and Virginia	100
9.	Phosphates of Foreign Countries	111
10.	Elemental Phosphorus and Its Manufacture	131
11.	Manufacture of Phosphoric Acid From Elemental Phosphorus	158
12.	The Manufacture of Phosphoric acid by the Wet Process	174
13.	Comparison of Sulfuric acid and Thermal Reduction Processes for Manufacturing Phosphoric Acid	210
14.	Purification of Phosphoric Acid and Its Salts	226
15.	Superphosphate, Its Manufacture and Properties	238
16.	Concentrated or Triple Superphosphate	290
17.	Ammonium Phosphates and Ammoniated Superphosphates	308
18.	Other Water-Soluble Phosphatic Fertilizers	345
19.	Basic Slag, Degreased Bone and Dicalcium Phosphate	356
20.	Calcined, Fused and Defluorinated Phosphates	376
21.	Calcium and Potassium Metaphosphates and Miscellaneous Products	407
22.	Complete Fertilizers and Their Preparation	420
23.	Phosphate Leavening Agents	437
24.	Phosphate Water-softening and Cleansing Products	463
25.	The Esters of Phosphoric Acid an Their Industrial Applications	486
26.	Phosphating of Metal	507
27.	Phosphates in the Manufacture and Refining of Cane Sugar	520
28.	Phosphates in Flame-Resistant Products	544
29.	Miscellaneous Industrial Uses of Phosphoric Acid and Its Derivatives	560
	Appendix	592
	Index	679