NEW BOOKS.

Index of samples studied.							
	Strength sol. for					Strength sol. for	
Pot	. State.	Type. N	10 filtrate.	Pot.	State.	Type N 1	o filtrat e.
1	California	vir. sur.	N/8.5	73	Indiana	cul. sur.	$N_{17.4}$
3	Illinois	• •	N 9	74	Iowa	• •	N 6
5	* *	* *	N_{27}	76	Kansas	••	N 8.4
7	Kansas	••	N 8.3	80	Michigan	••	N 9
9	Indiana	• •	N 7.2	84	Montana	• •	N 6.1
I 2	Massachusetts	44	N 8.7	85	New York	••	N 9.6
14	Michigan	**	N 9	86	Oregon	••	N 8.5
16	Missouri	••	N 8.5	87	S. Dakota	••	N.6.6
18	Montana	• 6	N/8	89	Texas	••	N 9.4
19	New York	4 N	N 9.1	90	Wisconsin	• •	N 8.8
20	Oregon	()	N 8.4	93	California	cul. sub.	N 6.6
22	S. Dakota	••	N 8.4	101	Illinois	••	N 9.1
25	Texas	••	N 9	104	Kansas	* 1	N 9.2
27	Wisconsin	• 6	N.8.2	115	Oregon	••	N 6.5
29	Maryland	**	N 9.5	117	• •	• •	N 6.1
31	California	vir. sub.	N 6.3	156	Rothamsted	WIOA	N 6.2
35	Illinois	* *	N/8	158	* *	WII	N 6
39	Iowa	**	N 6.3	160	••	BIA	N 6.7
51	New York	**	N 9.3	162	••	W13	N 6
63	California	cul. sur.	N 6	164	• •	B2a	N 6.7
65		* *	N 9.5	166	••	Вза	N 6.7
69	Illinois	**	N 8.5	168		B4a	N 6.7
70			N 5.5	170	**	W3	N 5.4

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METHODS OF CHEMICAL ANALYSIS AND FOUNDRY CHEMISTRY. BY FRANK L. CROBAUGH, M.S., Cleveland, O. Published by the author.

The analyst, or any person who intends to become an expert analyst, needs to have his methods at hand concisely stated, with all details verified by himself or by an author who has tested the methods thoroughly. In a work recently published by Mr. Frank L. Crobaugh, of Cleveland, Ohio, may be found a collection of selected methods especially in use in analysis of iron and steel, which have been thoroughly tested by the expert hand of the author. On account of the varied experience of Mr. Crobaugh in iron laboratories, in iron and steel plants and in his own business, his compilation of these methods will be of great service to any chemist engaged in similar work.

In Part II of this work will be found a more complete statement of the principles and methods of foundry chemistry, than can be found elsewhere. Foundrymen are beginning to appreciate the importance of a more thorough knowledge of the chemical composition of pigs and castings, and of the chemical changes involved in foundry practice. They will find this book very useful in their daily work. C. F. MABERY.