

CONTENTS

PAPERS

No.		PAGE
1099	FOUNDATIONS FOR THE NEW SINGER BUILDING, NEW YORK CITY.	
	By T. Kennard Thomson	1
	Discussion :	
	By O. F. SEMSCHE	21
	EUGENE W. STERN	24
	EDWIN S. JARRETT	26
	T. KENNARD THOMSON	28
1100	THE LOW STAGE OF LAKES HURON AND MICHIGAN.	
	By C. E. Grunsky	31
	Discussion :	
	By H. M. CHITTENDEN	48
	C. E. GRUNSKY	51
1101	THE FLOODS OF THE MISSISSIPPI DELTA: THEIR CAUSES, AND SUGGESTIONS AS TO THEIR CONTROL.	
	By William D. Pickett	53
1102	ELECTRIC RAILWAYS IN THE OHIO VALLEY BETWEEN STEUBENVILLE, OHIO, AND VANPORT, PENNSYLVANIA.	
	By George B. Francis	73
	Discussion :	
	By F. LAVIS	91
	GEORGE B. PRESTON	96
	J. MARTIN SCHREIBER	96
	WILLIAM J. BOUCHER	98
	GEORGE B. FRANCIS	99
1103	NICKEL STEEL FOR BRIDGES.	
	By J. A. L. Waddell	101
	Discussion :	
	By CHARLES EVAN FOWLER	300
	M. F. BROWN	301
	H. P. BELL	302
	L. J. LE CONTE	305
	W. K. HATT	306
	JOHN C. OSTRUP	308
	T. CLAXTON FIDLER	312
	ROBERT E. JOHNSTON	315
	ALBERT LUCIUS	315
	G. LINDENTHAL	316
	HENRY S. PRICHARD	317
	HENRY LE CHATELIER	322
	A. ROSS	324
	L. DUMAS	327

IV

No.		PAGE
1103	Discussion continued.	
	VICTOR PRITIE PERRY.....	328
	W. H. WARREN.....	331
	WILLIAM R. WEBSTER.....	337
	WILLIAM H. BREITHAUPT.....	339
	E. A. STONE.....	341
	C. CODRON.....	342
	W. W. K. SPARROW.....	345
	B. J. LAMBERT.....	347
	WILLIAM MARRIOTT.....	348
	HENRY ROHWER.....	348
	SAMUEL TOBIAS WAGNER.....	350
	A. W. CARPENTER.....	352
	LEON S. MOISSEIFF.....	358
	JAMES C. HALLSTED.....	361
	F. ARNODIN.....	366
	WILSON WORSDELL.....	378
	WILLIAM F. PETTIGREW.....	379
	J. A. L. WADDELL.....	379
1104	THE IMPROVEMENT OF THE OHIO RIVER.	
	By William L. Sibert	388
	Discussion :	
	By Theron M. Ripley	426
	William L. Sibert	426

MEMOIRS OF DECEASED MEMBERS

WILLIAM BEVERLY CHASE, M. AM. SOC. C. E.....	429
MARTIN WILLIAM MANSFIELD, M. AM. SOC. C. E.....	431
MARK WILLIAM SCHOFIELD, M. AM. SOC. C. E.....	432