

W352



UNIVERSITY OF CALIFORNIA

BERKELEY

352

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- No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.
- No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

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**THE FREDERICK POST CO.**  
*ENGINEERING and DRAFTING SUPPLIES*  
IRVING PARK STATION  
CHICAGO, ILL.

X Sections of Dumping area  
Upstream from Upstream Toe Wall 1-20

X Sections of Dumping Area of  
Diversion Tunnel & Toe Wall Waste 20-37

X Sections, Continued, of Dumping  
Area Upstream from Upstream Toe Wall 38-57

X Sections, Continued, of Dumping Area  
for Diversion Tunnel & Toe Wall Waste 58-80

Continued from Book # 351

573.70

N3350			
E6210	10.4	563.3 ✓	
340			
210	11.7	62.0 ✓	
330			
210	11.6	62.1 ✓	
320			
210	11.2	62.5 ✓	
310			
210	11.5	62.2 ✓	
300			
210	12.5	61.2 ✓	X
270			
210	12.6	61.1 ✓	
280			
210	11.5	62.2 ✓	
270			
210	11.2	62.5 ✓	
260			
210	12.5	61.2 ✓	
250			
210	12.3	61.4 ✓	
240			
210	12.2	61.5 ✓	
3230			
6210	12.2	61.5 ✓	
3220			
6220	12.4	61.3 ✓	
230			
220	12.0	61.7 ✓	
240			
220	11.9	61.8 ✓	
250			
220	12.3	61.4 ✓	
260			
220	12.5	61.2 ✓	
270			
220	11.5	62.2 ✓	
280			
220	11.4	62.3 ✓	
290			
220	12.5	61.2 ✓	
300			
220	11.5	62.2 ✓	X
310			
220	11.2	62.5 ✓	
320			
220	11.4	62.3 ✓	

573.70

3330			
6220	11.2	562.5	✓
340			
220	9.1	64.6	✓
350			
220	6.6	67.1	✓
360			
220	4.6	69.1	✓
370			
220	3.3	70.4	✓
2380			
6220	1.6	72.1	✓
3370			
6230	1.5	72.2	✓
360			
230	3.5	70.2	✓
350			
230	5.9	67.8	✓
340			
230	7.2	66.5	✓
330			
230	8.2	65.5	✓
320			
230	11.0	62.7	✓
310			
230	10.7	63.0	✓
300			
230	11.5	62.2	✓ X
290			
230	11.9	61.8	✓
280			
230	11.7	62.0	✓
270			
230	11.8	61.9	✓
260			
230	11.4	62.3	✓
250			
230	12.5	61.2	✓
240			
230	12.3	61.4	✓
230			
230	12.3	61.4	✓
220			
230	12.0	61.7	✓
210			
230	12.1	61.6	✓
200			
230	11.8	61.9	✓

X

573.70

X

3180			
6240	11.7	562.0	✓
190			
240	12.3	61.4	✓
200			
240	12.0	61.7	✓
210			
240	12.2	61.5	✓
220			
240	12.1	61.6	✓
230			
240	12.2	61.5	✓
240			
240	12.2	61.5	✓
250			
240	10.8	62.9	✓
260			
240	11.4	62.3	✓
270			
240	11.9	61.8	✓
280			
240	11.2	62.5	✓
290			
240	10.6	63.1	✓
300			
240	10.3	63.4	✓
310			
240	10.5	63.2	✓
320			
240	7.9	65.8	✓
330			
240	6.6	67.1	✓
340			
240	6.2	67.5	✓
350			
240	5.7	68.0	✓
3360			
6240	3.0	70.7	✓
3350			
6250	3.5	70.2	✓
340			
250	5.1	68.6	✓
330			
250	6.0	67.7	✓
320			
250	7.4	66.3	✓
310			
250	8.0	65.7	✓
300			
250	9.3	64.4	✓

X

573.70

3290			
6250			
280	10.2	563.5	✓
250	10.3	63.4	✓
270			
250	11.4	62.3	✓
260			
250	12.0	61.7	✓
250			
240	11.2	62.5	✓
250			
230	12.0	61.7	✓
250	12.1	61.6	✓
220			
250	11.9	61.8	✓
210			
250	11.9	61.8	✓
200			
250	12.2	61.5	✓
190			
250	11.9	61.8	✓
180			
250	11.8	61.9	✓
170			
250	11.9	61.8	✓
160			
250	11.8	61.9	✓
150			
250	10.5	63.2	✓
140			
250	10.3	63.4	✓
130			
250	9.9	63.8	✓
120			
250	9.7	64.0	✓
110			
250	9.5	64.2	✓
100			
250	8.9	64.8	✓
090			
250	7.8	65.9	✓
3080			
6250	4.1	69.6	✓
3070			
6260	4.6	69.1	✓
080			
260	7.2	66.5	✓
090			
260	9.5	64.2	✓

†

573.70

3100				
6260	7.8	565.9	✓	+
110				
260	9.4	64.3	✓	
120				
260	9.8	63.9	✓	
130				
260	10.1	63.6	✓	
140				
260	10.7	63.0	✓	
150				
260	11.4	62.3	✓	
160				
260	11.9	61.8	✓	
170				
260	12.2	61.5	✓	
180				
260	11.8	61.9	✓	
190				
260	11.8	61.9	✓	
200				
260	11.8	61.9	✓	
210				
260	11.9	61.8	✓	
220				
260	12.1	61.6	✓	
230				
260	12.0	61.7	✓	
240				
260	11.3	62.4	✓	
250				
260	12.0	61.7	✓	
260				
260	11.5	62.2	✓	
270				
260	11.2	62.5	✓	
280				
260	10.6	63.1	✓	
290				
260	9.4	64.3	✓	
300				
260	8.3	65.4	✓	+
310				
260	7.1	66.6	✓	
320				
260	5.8	67.9	✓	
330				
260	4.2	69.5	✓	
340				
260	2.5	71.2	✓	

573.70

3330			
6270			
320	2.2	571.5	✓
270	3.3	70.4	✓
310			
270	5.6	68.1	✓
300			
270	7.5	66.2	✓ +
290			
270	6.8	66.9	✓
280			
270	9.2	64.5	✓
270			
270	10.2	63.5	✓
260			
270	11.3	62.4	✓
250			
270	12.1	61.6	✓
240			
270	14.1	62.6	✓
230			
270	11.1	62.6	✓
220			
270	12.3	61.4	✓
210			
270	12.3	61.4	✓
200			
270	11.8	61.9	✓
190			
270	11.9	61.8	✓
180			
270	11.8	61.9	✓
170			
270	11.9	61.8	✓
160			
270	11.8	61.9	✓
150			
270	11.8	61.9	✓
140			
270	11.4	62.3	✓
130			
270	10.6	63.1	✓
120			
270	9.7	64.0	✓
110			
270	9.8	63.9	✓
100			
270	8.9	64.8	✓
090			
270	9.4	64.3	✓ +

573.70

3080			
6270	8.4	565.3	✓
3070			
6270	6.2	67.5	✓
3060			
6280	4.7	69.0	✓
070			
280	7.6	66.1	✓
080			
280	7.8	65.9	✓
090			
280	9.2	64.5	✓
100			
280	8.6	65.1	✓
110			
280	8.9	64.8	✓
120			
280	10.0	63.7	✓
130			
280	11.6	62.1	✓
140			
280	11.8	61.9	✓
150			
280	11.8	61.9	✓
160			
280	11.8	61.9	✓
170			
280	11.8	61.9	✓
180			
280	11.9	61.8	✓
190			
280	11.9	61.8	✓
200			
280	12.1	61.6	✓
210			
280	12.0	61.7	✓
220			
280	10.8	62.9	✓
230			
280	10.9	62.8	✓
240			
280	11.9	61.8	✓
250			
280	11.6	62.1	✓
260			
280	10.1	63.6	✓
270			
280	8.6	65.1	✓
280			
280	6.2	67.5	✓

+

573.70

3290			
6280	4.8	568.9 ✓	+
300			
280	6.2	67.5 ✓	
3310			
6280	4.8	68.9 ✓	+
3290			
6290	1.9	71.8 ✓	
280			
290	2.7	71.0 ✓	
270			
290	6.2	67.5 ✓	
260			
290	7.9	65.8 ✓	
250			
290	9.7	64.0 ✓	
240			
290	11.3	62.4 ✓	
230			
290	11.5	62.2 ✓	
220			
290	10.9	62.8 ✓	
210			
290	12.1	61.6 ✓	
200			
290	11.9	61.8 ✓	
190			
290	11.8	61.9 ✓	
180			
290	11.8	61.9 ✓	
170			
290	11.6	62.1 ✓	
160			
290	11.8	61.9 ✓	
150			
290	11.7	62.0 ✓	
140			
290	11.7	62.0 ✓	
130			
290	11.6	62.1 ✓	
120			
290	11.6	62.1 ✓	
110			
290	9.9	63.8 ✓	
100			
290	8.9	64.8 ✓	
090			
290	9.3	64.4 ✓	
080			
290	8.1	65.6 ✓	+

573.70

9

3070			
6290	7.4	566.3	✓
060			
290	6.2	67.5	✓
3050			
6290	3.5	70.2	✓
3080			
6300	2.5	71.2	✓
040			
300	5.6	68.1	✓
050			
300	5.5	68.2	✓
060			
300	8.3	65.4	✓
070			
300	9.1	64.6	✓
080			
300	9.8	63.9	✓
090			
300	11.3	62.4	✓
100			
300	11.6	62.1	✓
110			
300	10.5	63.2	✓
120			
300	11.7	62.0	✓
130			
300	11.7	62.0	✓
140			
300	12.1	61.6	✓
150			
300	11.8	61.9	✓
160			
300	11.8	61.9	✓
170			
300	12.0	61.7	✓
180			
300	12.0	61.7	✓
190			
300	11.9	61.8	✓
200			
300	12.2	61.5	✓
210			
300	11.3	62.4	✓
220			
300	10.4	63.3	✓
230			
300	10.3	63.4	✓
240			
300	9.3	64.4	✓

X

573.70

3250				
6300			7.6	566.1 ✓
260				
300			5.5	68.2 ✓
270				
300			3.7	70.0 ✓
T.P.	9.99	575.10	8.59	565.11
3270				
6310			3.2	71.9 ✓
260				
310			4.7	70.4 ✓
250				
310			6.8	68.3 ✓
240				
310			8.3	66.8 ✓
230				
310			10.1	65.0 ✓
220				
310			12.6	62.5 ✓
210				
310			12.0	63.1 ✓
200				
310			13.0	62.1 ✓
190				
310			13.2	61.9 ✓
180				
310			13.2	61.9 ✓
170				
310			13.3	61.8 ✓
160				
310			13.1	62.0 ✓
150				
310			13.2	61.9 ✓
140				
310			13.3	61.8 ✓
130				
310			13.2	61.9 ✓
120				
310			13.1	62.0 ✓
110				
310			13.1	62.0 ✓
100				
310			13.1	62.0 ✓
090				
310			13.2	61.9 ✓
080				
310			12.7	62.4 ✓

X

575.10

3070		
6310	12.6	562.5 ✓
060		
310	10.7	64.4 ✓
050		
310	9.9	65.2 ✓
040		
310	8.6	66.5 ✓
030		
310	7.7	67.4 ✓
020		
310	4.4	70.7 ✓
3010		
6310	1.3	73.8 ✓
3000		
6320	0.6	74.5 ✓
010		
320	2.2	72.9 ✓
020		
320	5.8	69.3 ✓
030		
320	9.1	66.0 ✓
040		
320	9.7	65.4 ✓
050		
320	11.4	63.7 ✓
060		
320	12.8	62.3 ✓
070		
320	13.0	62.1 ✓
080		
320	13.3	61.8 ✓
090		
320	13.1	62.0 ✓
100		
320	13.3	61.8 ✓
110		
320	13.4	61.7 ✓
120		
320	13.5	61.6 ✓
130		
320	13.0	62.1 ✓
140		
320	12.9	62.2 ✓
150		
320	13.0	62.1 ✓
160		
320	13.0	62.1 ✓
170		
320	13.0	62.1 ✓

X

	575.10		
3180		12.9	562.2 ✓
6320			
190		13.0	62.1 ✓
320			
200		12.0	63.1 ✓
320			
210		10.8	64.3 ✓
320			
220		10.6	64.5 ✓
320			
230		7.9	67.2 ✓
320			
240		6.6	68.5 ✓
320			
3250		4.1	71.0 ✓
6320			
3240		4.0	71.1 ✓
6330			
230		4.9	70.2 ✓
330			
220		7.8	67.3 ✓
330			
210		10.0	65.1 ✓
330			
200		11.0	64.1 ✓
330			
190		11.9	63.2 ✓
330			
180		12.8	62.3 ✓
330			
170		13.1	62.0 ✓
330			
160		13.1	62.0 ✓
330			
150		13.1	62.0 ✓
330			
140		13.0	62.1 ✓
330			
130		13.0	62.1 ✓
330			
120		13.0	62.1 ✓
330			
110		13.1	62.0 ✓
330			
100		13.1	62.0 ✓
330			
090		13.0	62.1 ✓
330			
080		12.9	62.2 ✓
330			

x

575.10

3070		
6330	13.1	562.0 ✓
060		
330	12.9	62.2 ✓
050		
330	12.6	62.5 ✓
040		
330	11.4	63.7 ✓
030		
330	10.0	65.1 ✓
020		
330	9.1	66.0 ✓
010		
330	8.2	66.9 ✓
3000		
6330	2.7	72.4 ✓
2980		
6340	0.5	74.6 ✓
2990		
340	3.2	71.8 ✓
3000		
340	8.3	66.8 ✓
010		
340	8.8	66.3 ✓
020		
340	9.0	66.1 ✓
030		
340	10.7	64.4 ✓
040		
340	11.5	63.6 ✓
050		
340	12.5	62.6 ✓
060		
340	12.8	62.3 ✓
070		
340	12.9	62.2 ✓
080		
340	12.7	62.4 ✓
090		
340	12.8	62.3 ✓
100		
340	12.8	62.3 ✓
110		
340	12.8	62.3 ✓
120		
340	12.9	62.2 ✓
130		
340	12.9	62.2 ✓

X

June 9 - 1932

14

575.10

3140		12.9	572.2	✓
6340				
150		12.9	62.2	✓
340				
160		13.1	62.0	✓
340				
170		11.4	63.7	✓
340				
180		11.2	63.9	✓
340				
190		10.8	64.3	✓
340				
200		9.4	65.7	✓
340				
210		7.5	67.6	✓
340				
220		5.1	70.0	✓
340				
3230		3.4	71.7	✓
6340				
T.P.		0.05	575.05	

11.21 586.26

B.M.

0.85 585.41 Record 585.43

0.85 586.28

3440		1.9	584.4	✓
6380				
430		2.7	83.6	✓
380				
420		3.6	82.7	✓
380				
410		4.5	81.8	✓
380				
400		5.9	80.6	✓
380				
390		6.2	80.1	✓
380				
380		6.9	79.4	✓
380				
370		7.9	78.4	✓
380				
360		8.4	77.9	✓
380				
350		8.6	77.7	✓
380				
340		8.6	77.7	✓
380				

586.28

3330			
6380	8.7	577.6	✓
325			
380	9.6	76.7	✓
310			
380	10.4	75.9	✓
300			
380	10.1	76.2	✓
270			
380	9.8	76.5	✓
280			
380	8.9	77.4	✓
270			
380	9.4	76.9	✓
260			
380	9.4	76.9	✓
250			
380	10.0	76.3	✓
240			
380	10.9	75.4	✓
230			
380	11.0	75.3	✓
3220			
6380	12.4	73.9	✓
3220			
6390	12.1	74.2	✓
230			
390	11.1	75.2	✓
240			
390	10.4	75.9	✓
250			
390	9.7	76.6	✓
260			
390	9.3	77.0	✓
270			
390	9.1	77.2	✓
280			
390	9.3	77.0	✓
290			
390	9.2	77.1	✓
300			
390	9.1	77.2	✓
310			
390	9.4	76.9	✓
320			
390	8.9	77.4	✓
330			
390	8.6	77.7	✓

x

x

586.28

3340	8.4	577.9	✓
6390			
350	8.2	78.1	✓
390			
360	7.6	78.7	✓
390			
370	6.5	79.8	✓
390			
380	5.3	81.0	✓
390			
390	4.5	81.8	✓
390			
400	3.9	82.4	✓
390			
410	2.8	83.5	✓
390			
3420	1.7	84.6	✓
6390			
3410	0.7	85.6	✓
6400			
400	2.1	84.2	✓
400			
390	2.7	83.6	✓
400			
380	3.4	82.9	✓
400			
370	4.9	81.4	✓
400			
360	5.7	80.6	✓
400			
350	6.6	79.7	✓
400			
340	8.0	78.3	✓
400			
330	8.2	78.1	✓
400			
320	8.3	78.0	✓
400			
310	8.5	77.8	✓
400			
300	8.8	77.5	✓ x
400			
290	8.8	77.5	✓
400			
280	8.8	77.5	✓
400			
270	8.9	77.4	✓
400			
260	9.4	76.9	✓ x
400			

586.28

3250				
6400	9.9	576.4	✓	+
240				
400	10.4	75.9	✓	
230				
400	11.3	75.0	✓	
220				
400	10.1	76.2	✓	
210				
400	9.7	76.6	✓	
200				
400	10.2	76.1	✓	
190				
400	11.0	75.3	✓	
3180				
6400	12.9	73.4	✓	
3180				
6410	10.9	75.4	✓	
190				
410	10.0	76.3	✓	
200				
410	9.8	76.5	✓	
210				
410	9.6	76.7	✓	
220				
410	9.5	76.8	✓	
230				
410	10.2	76.1	✓	
240				
410	10.3	76.0	✓	
250				
410	9.5	76.8	✓	
260				
410	9.2	77.1	✓	
270				
410	8.9	77.4	✓	
280				
410	8.0	78.3	✓	
290				
410	8.6	77.7	✓	
300				
410	8.4	77.9	✓	x
310				
410	8.2	78.1	✓	
320				
410	8.2	78.1	✓	
330				
410	7.6	78.7	✓	
340				
410	6.2	80.1	✓	

586.28

3350			
6410	5.0	581.3	✓
360			
410	4.3	82.0	✓
370			
410	3.7	82.6	✓
380			
410	1.8	84.5	✓
3390			
6410	0.9	85.4	✓
3380			
6420	1.1	85.2	✓
370			
420	1.8	84.5	✓
360			
420	2.6	83.7	✓
350			
420	2.8	83.5	✓
340			
420	2.8	83.5	✓
330			
420	5.3	81.0	✓
320			
420	7.2	79.1	✓
310			
420	8.0	78.3	✓
300			
420	8.1	78.2	✓ ✕
290			
420	8.5	77.8	✓
280			
420	8.9	77.4	✓
270			
420	8.5	77.8	✓
260			
420	9.2	77.1	✓
250			
420	9.7	76.6	✓
240			
420	9.7	76.6	✓
230			
420	9.8	76.5	✓
220			
420	9.6	76.7	✓
210			
420	9.6	76.7	✓
200			
420	9.6	76.7	✓

✕

	586.28		
3190		9.7	576.6 ✓ *
6420			
180		9.9	76.4 ✓
420			
3170		10.9	75.4 ✓
6420			
3160		12.1	74.2 ✓
6430			
170		9.7	76.6 ✓
430			
180		9.1	77.2 ✓
430			
190		9.8	76.5 ✓
430			
200		9.2	77.1 ✓
430			
210		8.8	77.5 ✓
430			
220		10.1	76.2 ✓
430			
230		9.4	76.9 ✓
430			
240		9.6	76.7 ✓
430			
250		9.8	76.5 ✓
430			
260		9.4	76.9 ✓
430			
270		9.0	77.3 ✓
430			
280		8.6	77.7 ✓
430			
290		8.1	78.2 ✓ +
430			
300		7.8	78.5 ✓ X
430			
310		6.6	79.7 ✓
430			
320		4.7	81.6 ✓
430			
330		2.9	83.4 ✓
430			
340		1.8	84.5 ✓
430			
350		1.5	84.8 ✓
430			
360		1.0	85.3 ✓
430			
370		0.2	86.1 ✓
430			



June 10-1932

Elliott - Notes  
Simpson - level  
Soper - Red  
Remmen Tape

21

B.M.

563.65

12.64 576.29

T.P.

5.77 578.04 4.02 572.27

N3380  
E4060

5.8 72.2 ✓

390

7.7 70.3 ✓

060

400

7.3 70.7 ✓

060

400

8.4 69.6 ✓

050

390

8.2 69.8 ✓

050

380

6.5 71.5 ✓

050

380

6.2 71.8 ✓

040

390

8.4 69.6 ✓

040

400

9.2 68.8 ✓

040

400

9.2 68.8 ✓

030

390

8.8 69.2 ✓

030

380

7.2 70.8 ✓

030

370

3.4 74.6 ✓

030

370

4.4 73.6 ✓

020

380

8.0 70.0 ✓

020

390

9.0 69.0 ✓

020

400

9.0 69.0 ✓

020

400

8.4 69.6 ✓

010

390

9.0 69.0 ✓

010

380

8.6 69.4 ✓

010

370

5.1 72.9 ✓

010

360

2.0 76.0 ✓

010

X

578.04

3360			
4000	2.2	575.8	✓
370			
000	5.1	72.9	✓
380			
000	8.6	69.4	✓
390			
000	9.2	68.8	✓
3400			
4000	8.4	69.6	✓
3400			
3990	9.1	68.9	✓
370			
990	9.6	68.4	✓
380			
990	9.0	69.0	✓
370			
990	5.5	72.5	✓
360			
990	2.4	75.6	✓
360			
980	3.6	74.4	✓
370			
980	5.6	72.4	✓
380			
990	9.2	68.8	✓
370			
980	9.7	68.3	✓
400			
980	11.6	66.4	✓
410			
970	14.4	63.6	✓
400			
970	12.0	66.0	✓
390			
970	9.6	68.4	✓
380			
970	9.4	68.6	✓
370			
970	5.6	72.4	✓
360			
970	3.8	74.2	✓
360			
960	3.8	74.2	✓
370			
960	6.0	72.0	✓
380			
960	9.2	68.8	✓
390			
960	9.4	68.6	✓

578.04

3400		
3960	12.1	565.9 ✓
410		
960	14.5	63.5 ✓
400		
950	12.6	65.4 ✓
390		
950	9.6	68.4 ✓
380		
950	8.9	69.1 ✓
370		
950	8.4	69.6 ✓
360		
950	6.3	71.7 ✓
360		
940	5.5	72.5 ✓
370		
940	7.6	70.4 ✓
380		
940	8.9	69.1 ✓
390		
940	9.6	68.4 ✓
400		
940	12.2	65.8 ✓
400		
930	12.5	65.5 ✓
390		
930	10.3	67.7 ✓
380		
930	9.1	68.9 ✓
370		
930	8.9	69.1 ✓
360		
930	5.4	72.6 ✓
360		
920	5.2	72.8 ✓
370		
920	9.2	68.8 ✓
380		
920	9.4	68.6 ✓
390		
920	11.1	66.9 ✓
400		
920	12.8	65.2 ✓
T.P.	8.68	569.36 ✓

1.75 571.11 ✓

X

3360	571.11		
3910		+2.2	573.3 ✓
360			
900		+2.0	73.1 ✓
360			
890		+1.7	72.8 ✓
360			
880		+1.0	72.1 ✓
360			
870		+0.5	71.6 ✓
360			
860		+1.4	72.5 ✓
370			
860		3.6	67.5 ✓
370			
870		3.6	67.5 ✓
370			
880		3.2	67.9 ✓
370			
890		2.7	68.4 ✓
370			
900		2.6	68.5 ✓
3370			
3910		2.5	68.6 ✓
380			
910		2.7	68.4 ✓
380			
900		2.8	68.3 ✓
380			
890		2.8	68.3 ✓
380			
880		2.9	68.2 ✓
380			
870		3.8	67.3 ✓
3380			
3860		3.7	67.4 ✓
3390			
3910		4.8	66.3 ✓
390			
900		5.1	66.0 ✓
390			
890		5.6	65.5 ✓
390			
880		5.4	65.7 ✓
390			
870		5.4	65.7 ✓
390			
860		5.3	65.8 ✓

571.11

3400		
3860	7.4	563.7 ✓
400		
870	7.1	64.0 ✓
400		
880	6.8	64.3 ✓
400		
890	6.8	64.3 ✓
400		
900	6.5	64.6 ✓
400		
910	6.3	64.8 ✓
3410		
3750	7.7	63.4 ✓
410		
940	7.2	63.9 ✓
410		
930	8.2	62.9 ✓
410		
920	8.7	62.4 ✓
410		
910	8.9	62.2 ✓
410		
900	9.1	62.0 ✓
410		
890	10.0	61.1 ✓
410		
880	10.6	60.5 ✓
410		
870	10.4	60.7 ✓
410		
860	10.5	60.6 ✓
420		
860	12.2	58.9 ✓
420		
870	11.2	59.9 ✓
420		
880	10.9	60.2 ✓
420		
890	10.8	60.3 ✓
420		
900	10.9	60.2 ✓
420		
910	11.0	60.1 ✓
420		
920	10.8	60.3 ✓
420		
930	11.7	59.4 ✓
420		
940	11.8	59.3 ✓

X

		571.11		
3420			12.1	559.0 ✓
3950				
T.P.	0.80	560.69	11.22	559.89
3430			3.0	57.7 ✓
3930				
430			2.5	58.2 ✓
920				
430			3.9	56.8 ✓
910				
430			3.9	56.8 ✓
900				
430			3.8	56.9 ✓
890				
430			3.5	57.2 ✓
880				
3430			4.9	55.8 ✓
3870				
440			10.7	50.0 ✓
870				
440			9.5	51.2 ✓
880				
440			9.2	51.5 ✓
890				
440			8.9	51.8 ✓
900				
440			8.8	51.9 ✓
910				
3440			8.8	51.9 ✓
3920				
3450			11.0	49.7 ✓
3920				
450			11.1	49.6 ✓
910				
450			11.4	49.3 ✓
900				
450			11.4	49.3 ✓
890				
450			11.6	49.1 ✓
880				
450			11.6	49.1 ✓
870				
450			11.7	49.0 ✓
860				
450			11.8	48.9 ✓
850				
460			11.2	49.5 ✓
850				
460			11.6	49.1 ✓
860				

X

560.69

460		
870	11.4	549.3 ✓
460		
880	11.4	49.3 ✓
460		
890	11.4	49.3 ✓
460		
900	11.4	49.3 ✓
460		
910	11.5	49.2 ✓
460		
920	11.5	49.2 ✓
3460		
3930	11.5	49.2 ✓
3470		
930	11.2	49.5 ✓
470		
920	11.3	49.4 ✓
470		
910	11.3	49.4 ✓
470		
900	11.3	49.4 ✓
470		
890	11.4	49.3 ✓
470		
880	11.5	49.2 ✓
470		
870	11.6	49.1 ✓
470		
860	11.6	49.1 ✓
470		
850	11.8	48.9 ✓
480		
850	11.7	49.0 ✓
480		
860	11.9	48.8 ✓
480		
870	11.8	48.9 ✓
480		
880	11.8	48.9 ✓
480		
890	11.7	49.0 ✓
480		
900	11.7	49.0 ✓
480		
910	11.6	49.1 ✓
480		
920	11.6	49.1 ✓
480		
930	11.6	49.1 ✓

560.69

3480				
3740		11.5	549.2	✓
3490				
3760		11.5	49.2	✓
490				
730		11.5	49.2	✓
490				
740		11.5	49.2	✓
490				
730		11.6	49.1	✓
490				
720		11.6	49.1	✓
490				
710		11.7	49.0	✓
490				
700		11.7	49.0	✓
490				
890		11.6	49.1	✓
490				
820		11.7	49.0	✓
490				
870		11.9	48.9	✓
490				
860		11.7	49.0	✓
3490				
3850		12.0	48.7	✓
3500				
3850		12.2	48.5	✓
500				
860		12.0	48.7	✓
500				
870		11.8	48.9	✓
500				
880		11.7	49.0	✓
500				
890		11.6	49.1	✓
500				
900		11.5	49.2	✓

T.F.	11.84	562.01	10.52	550.17	✓
500					
710			12.9	49.1	✓
500					
720			13.0	49.0	✓
500					
930			13.1	48.9	✓
500					
940			12.8	49.2	✓
500					
950			12.9	49.1	✓

562.D1

3500			
3960			
500	12.8	549.2	✓
770	13.0	49.0	✓
500			
780	12.7	49.3	✓
500			
770	12.6	49.4	✓
3500			
4000	12.6	49.4	✓
500			
010	12.5	49.5	✓
500			
020	12.4	49.6	✓
500			
030	12.4	49.6	✓
500			
040	12.4	49.6	✓
500			
050	12.3	49.7	✓
500			
060	12.3	49.7	✓
3500			
43070	12.3	49.7	✓
3510			
3850	12.8	49.2	✓
510			
860	12.7	49.3	✓
510			
870	12.6	49.4	✓
510			
880	12.6	49.4	✓
510			
890	12.6	49.4	✓
510			
900	12.9	49.1	✓
510			
710	12.7	49.3	✓
510			
720	12.7	49.3	✓
510			
730	12.7	49.3	✓
510			
740	12.8	49.2	✓
510			
950	13.1	48.9	✓
510			
960	12.9	49.1	✓
510			
* 970	12.9	49.1	✓

562.01

3510			
3980			
510	13.1	548.9	✓
3990	12.8	49.2	✓
510			
4000	12.4	49.6	✓
510			
4010	12.3	49.7	✓
510			
020	12.2	49.8	✓
510			
030	12.2	49.8	✓
510			
040	12.2	49.8	✓
510			
050	12.2	49.8	✓
510			
060	12.1	49.9	✓
510			
070	12.1	49.9	✓
510			
080	12.1	49.9	✓
510			
4090	12.1	49.9	✓
3520			
4040	12.6	49.4	✓
520			
030	12.7	49.3	✓
520			
020	12.7	49.3	✓
520			
010	12.7	49.3	✓
520			
4000	13.1	48.9	✓
520			
3990	12.6	49.4	✓
520			
980	12.4	49.6	✓
520			
970	12.4	49.6	✓
520			
960	12.6	49.4	✓
520			
950	12.4	49.6	✓
520			
940	12.4	49.6	✓
520			
930	12.4	49.6	✓
520			
920	12.5	49.5	✓

562.01

3520			
3910	12.1	549.9	✓
520			
900	12.3	49.7	✓
520			
890	12.2	49.8	✓
520			
880	12.0	50.0	✓
520			
870	12.2	49.8	✓
520			
860	12.4	49.6	✓
3520			
3850	12.3	49.7	✓
3530			
3850	11.3	50.7	✓
530			
860	11.5	50.5	✓
530			
870	11.8	50.2	✓
530			
880	11.9	50.1	✓
530			
890	11.9	50.1	✓
530			
900	12.1	49.9	✓
530			
910	12.1	49.9	✓
530			
920	12.2	49.8	✓
530			
930	12.0	50.0	✓
530			
940	12.1	49.9	✓
530			
950	12.0	50.0	✓
530			
960	12.0	50.0	✓
530			
970	12.2	49.8	✓
530			
980	11.9	50.1	✓
530			
3990	12.0	50.0	✓
530			
4000	11.9	50.1	✓
530			
010	12.5	49.5	✓
530			
020	12.7	49.3	✓

X

562.01

3530		
4030	13.1	548.9 ✓
3530	12.5	49.5 ✓
4040		
540	11.8	50.2 ✓
540		
030	12.0	50.0 ✓
540		
020	12.0	50.0 ✓
540		
010	11.9	50.1 ✓
540		
4000	12.1	49.9 ✓
540		
3990	11.9	50.1 ✓
540		
980	11.9	50.1 ✓
540		
970	11.7	50.3 ✓
540		
960	11.1	50.9 ✓
540		
950	11.4	50.6 ✓
540		
940	10.9	51.1 ✓
540		
930	11.1	50.9 ✓
540		
920	11.5	50.5 ✓
540		
910	11.7	50.1 ✓
540		
900	11.8	50.2 ✓
540		
890	11.8	50.2 ✓
540		
880	12.3	49.7 ✓
540		
870	12.1	49.9 ✓
540		
860	12.1	49.9 ✓
3540		
3850	12.2	49.8 ✓
3550		
3900	11.1	50.9 ✓
550		
910	11.0	51.0 ✓
550		
920	11.0	51.0 ✓

562.01

3550		10.8	551.2 ✓
3930			
550		11.0	51.0 ✓
940			
550		10.8	51.2 ✓
950			
550		10.5	51.5 ✓
960			
550		10.4	51.6 ✓
970			
550		10.2	51.8 ✓
980			
550		10.9	51.1 ✓
990			
550		11.4	50.6 ✓
4000			
550		11.2	50.8 ✓
010			
550		11.2	50.8 ✓
020			
550		11.6	50.4 ✓
030			
550		11.5	50.5 ✓
040			
560		10.7	51.3 ✓
7040			
560		10.7	51.3 ✓
030			
560		9.9	52.1 ✓
070			
560		10.3	51.7 ✓
010			
560		10.0	52.0 ✓
000			
560		9.6	52.4 ✓
970			
560		10.1	51.9 ✓
980			
560		10.5	51.5 ✓
970			
560		10.6	51.4 ✓
960			
560		10.8	51.2 ✓
950			
560		10.6	51.4 ✓
940			
560		10.6	51.4 ✓
930			
560		10.5	51.5 ✓
920			

	362.01	
3560 3910	10.2	551.8 ✓
560 900	10.3	51.7 ✓
570 900	9.5	52.5 ✓
570 910	9.6	53.0 ✓
570 920	9.2	52.9 ✓
570 920	9.4	52.6 ✓
570 940	9.5	52.5 ✓
570 950	9.6	52.4 ✓
570 960	10.0	52.0 ✓
570 970	10.3	51.7 ✓
570 980	10.4	51.6 ✓
570 990	10.4	51.6 ✓
570 1000	10.4	51.6 ✓
580 000	9.9	52.1 ✓
580 990	10.0	52.0 ✓
580 980	9.8	52.2 ✓
580 970	8.8	53.2 ✓
580 960	9.2	52.8 ✓
580 950	9.1	52.9 ✓
580 940	8.9	53.1 ✓
580 930	8.6	53.4 ✓
580 920	8.7	53.3 ✓
580 910	8.9	53.4 ✓
580 900	8.1	53.9 ✓
590 900	7.4	54.6 ✓

562.01

3590 3910	7.6	554.4 ✓
590 920	7.7	54.8 ✓
590 930	8.5	53.5 ✓
590 940	8.7	53.3 ✓
590 950	8.0	54.0 ✓
590 960	8.1	53.9 ✓
590 970	8.0	54.0 ✓
590 980	9.0	53.0 ✓
590 990	9.1	52.9 ✓
590 4000	9.1	52.9 ✓
600 3920	7.3	54.7 ✓
600 910	6.7	55.3 ✓
600 920	6.8	55.2 ✓
600 890	6.7	55.3 ✓
600 880	7.0	55.0 ✓
600 870	7.1	54.9 ✓
600 860	6.9	55.1 ✓
600 850	7.4	54.6 ✓
610 850	6.8	55.2 ✓
610 860	6.9	55.1 ✓
610 870	6.8	55.2 ✓
610 880	6.8	55.2 ✓
610 890	7.1	54.9 ✓
610 900	6.6	55.4 ✓
610 910	6.3	55.7 ✓

X

562.01

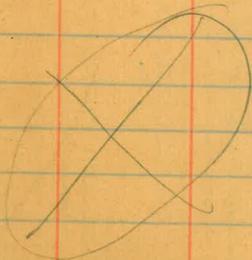
3610			
3920			
620	6.1	555.9	✓
920	4.9	57.1	✓
620			
910	5.5	56.5	✓
620			
900	5.4	56.6	✓
620			
890	5.7	56.3	✓
620			
880	5.9	56.1	✓
620			
870	6.2	55.8	✓
620			
860	6.3	55.7	✓
620			
850	6.7	55.3	✓
630			
850	5.4	56.6	✓
630			
860	5.7	56.3	✓
630			
870	5.5	56.5	✓
630			
880	5.4	56.6	✓
630			
890	5.3	56.7	✓
630			
900	5.0	57.0	✓
630			
910	4.9	57.1	✓
3590			
3890	7.6	54.4	✓
590			
880	8.0	54.0	✓
590			
870	7.9	54.1	✓
590			
860	7.7	54.3	✓
590			
850	6.9	55.1	✓
580			
850	8.4	53.6	✓
580			
860	8.6	53.4	✓
580			
870	8.2	53.8	✓
580			
880	8.8	53.2	✓

562.01

3580				
3890				
570			8.4	553.6 ✓
890			9.6	52.4 ✓
570				
880			10.0	52.0 ✓
570				
870			8.2	53.8 ✓
570				
860			8.0	54.0 ✓
570				
850			8.3	53.7 ✓
560				
850			10.7	51.3 ✓
560				
860			10.7	51.3 ✓
560				
870			10.8	51.2 ✓
560				
880			10.8	51.2 ✓
560				
890			10.6	51.4 ✓
550				
890			11.0	51.0 ✓
580				
880			11.1	50.9 ✓
550				
870			11.2	50.8 ✓
550				
860			11.6	50.4 ✓
580				
850			11.7	50.3 ✓
T.P.	6.50	565.26	3.25	558.76 ✓
			1.61	563.65 ✓ : check on

B.M. 563.65

End June 10 - 1932



Continued from Page 20

B.M.	0.85	586.28		585.43	
T.P.			11.21	575.07	
N3220	0.31	575.38			
E6350			3.1	572.3	✓ +
210					
350			5.9	69.5	✓
280					
350			8.7	66.7	✓
190					
350			8.9	66.5	✓
180					
350			10.9	64.5	✓
170					
350			11.3	64.1	✓
160					
350			10.6	64.8	✓
150					
350			12.8	62.6	✓
140					
350			13.3	62.1	✓
130					
350			13.2	62.2	✓
120					
350			13.1	62.3	✓
110					
350			13.1	62.3	✓
100					
350			13.0	62.4	✓
090					
350			13.1	62.3	✓
080					
350			13.0	62.4	✓
070					
350			13.0	62.4	✓
060					
350			12.9	62.5	✓
050					
350			12.9	62.5	✓
040					
350			12.9	62.5	✓
030					
350			11.8	63.6	✓
020					
350			10.0	65.4	✓
010					
350			9.6	65.8	✓

575.38

3000			
6350			
2990	9.0	566.4	✓
6350	7.0	68.4	✓
980			
350	1.7	73.7	✓
970			
6360	0.6	74.8	✓
980			
360	4.2	71.2	✓
2990			
360	7.2	68.2	✓
3000			
360	9.2	66.2	✓
010			
360	9.8	65.6	✓
020			
360	12.2	63.2	✓
030			
360	13.0	62.4	✓
040			
360	12.9	62.5	✓
050			
360	12.7	62.7	✓
060			
360	12.9	62.5	✓
070			
360	12.9	62.5	✓
080			
360	13.0	62.4	✓
090			
360	13.0	62.4	✓
100			
360	13.1	62.3	✓
110			
360	13.1	62.3	✓
120			
360	13.0	62.4	✓
130			
360	13.1	62.3	✓
140			
360	10.9	64.5	✓
150			
360	10.4	65.0	✓
160			
360	11.3	64.1	✓
170			
360	11.2	64.2	✓
180			
360	9.8	65.6	✓

575.38

3190					
6360					
3200					
6360					
3190					
6370					
180					
370					
170					
370					
160					
370					
150					
370					
140					
370					
130					
370					
120					
370					
110					
370					
100					
370					
090					
370					
080					
370					
070					
370					
060					
370					
050					
370					
040					
370					
030					
370					
020					
370					
010					
370					
3000					
370					
2990					
370					
980					
370					
970					
370					

6.3	569.1	✓	+
7.2	68.2	✓	
4.9	70.5	✓	
8.6	66.8	✓	
9.7	65.7	✓	
11.0	64.4	✓	
11.0	64.4	✓	
10.8	64.6	✓	
10.8	64.6	✓	
13.1	62.3	✓	
13.0	62.4	✓	
13.0	62.4	✓	
13.0	62.4	✓	
13.0	62.4	✓	
12.9	62.5	✓	
12.8	62.6	✓	
12.7	62.7	✓	
12.9	62.5	✓	
12.8	62.6	✓	
13.1	62.3	✓	
11.7	63.7	✓	
10.0	65.4	✓	
7.2	68.2	✓	
7.5	67.9	✓	
3.5	71.9	✓	

+

575.38

+

2960			
6370			
2950	0.0	575.4	✓
6380	0.5	74.9	✓
760			
380	3.1	72.3	✓
970			
380	5.1	70.3	✓
980			
380	8.7	66.7	✓
2990			
380	10.0	65.4	✓
3000			
380	11.0	64.4	✓
010			
380	13.1	62.3	✓
020			
380	12.8	62.6	✓
030			
380	12.8	62.6	✓
040			
380	12.6	62.8	✓
050			
380	12.8	62.6	✓
060			
380	12.9	62.5	✓
070			
380	12.8	62.6	✓
080			
380	12.8	62.6	✓
090			
380	12.9	62.5	✓
100			
380	13.1	62.3	✓
110			
380	12.7	62.7	✓
120			
380	10.7	64.7	✓
130			
380	10.9	64.5	✓
140			
380	11.0	64.4	✓
150			
380	10.6	64.8	✓
160			
380	10.2	65.2	✓
170			
380	8.2	67.2	✓
180			
380	6.7	68.7	✓

+

575.38

x

3190			
6380	5.1	5:70.3	✓
200			
380	4.7	71.7	✓
3210			
6380	3.4	72.0	✓
3210			
6390	1.8	73.6	✓
200			
390	2.0	73.4	✓
190			
390	3.0	72.4	✓
180			
390	4.8	70.6	✓
170			
390	6.4	69.0	✓
160			
390	8.1	67.3	✓
150			
390	9.5	65.9	✓
140			
390	10.4	65.0	✓
130			
390	10.7	64.7	✓
120			
390	10.9	64.5	✓
110			
390	10.6	64.8	✓
100			
390	12.4	63.0	✓
090			
390	12.9	62.5	✓
080			
390	12.9	62.5	✓
070			
390	12.9	62.5	✓
060			
390	12.9	62.5	✓
050			
390	12.9	62.5	✓
040			
390	12.8	62.6	✓
030			
390	12.6	62.8	✓
020			
390	12.7	62.7	✓
010			
390	12.8	62.6	✓
3000			
6390	12.3	63.1	✓

x

575.38

4

2990		11.3	574.1 ✓
6390			
980		9.2	66.2 ✓
390			
970		9.3	66.1 ✓
390			
960		5.1	70.3 ✓
390			
2950		3.0	72.4 ✓
6390			
2940		0.2	75.2 ✓
6400			
950		4.6	70.8 ✓
400			
960		7.0	68.4 ✓
400			
970		9.9	65.5 ✓
400			
980		11.1	64.3 ✓
400			
2990		11.6	63.8 ✓
400			
3000		12.9	62.5 ✓
400			
010		12.7	62.7 ✓
400			
020		12.8	62.6 ✓
400			
030		12.6	62.8 ✓
400			
040		12.7	62.7 ✓
400			
050		12.8	62.6 ✓
400			
060		12.8	62.6 ✓
400			
070		13.0	62.4 ✓
400			
080		12.8	62.6 ✓
400			
090		12.3	63.1 ✓
400			
100		11.2	64.2 ✓
400			
110		11.3	64.1 ✓
400			
120		10.6	64.8 ✓
400			
130		10.0	65.4 ✓
400			

x

575.38

3140		9.9	565.5	✓	+
6400					
150					
400		8.3	67.1	✓	
160					
400		6.5	68.9	✓	
3170					
6400		4.2	71.2	✓	
3170					
6410		2.9	72.5	✓	
160					
410		4.9	70.5	✓	
150					
410		6.6	68.8	✓	
140					
410		8.8	66.6	✓	
130					
410		9.5	65.9	✓	
120					
410		9.8	65.6	✓	
110					
410		10.5	64.9	✓	
100					
410		11.3	64.1	✓	
090					
410		11.3	64.1	✓	
080					
410		12.4	63.0	✓	
070					
410		12.8	62.6	✓	
060					
410		13.0	62.4	✓	
050					
410		12.8	62.6	✓	
040					
410		12.7	62.7	✓	
030					
410		12.6	62.8	✓	
020					
410		12.7	62.7	✓	
010					
410		12.6	62.8	✓	
3000					
410		12.8	62.6	✓	
2990					
410		12.1	63.3	✓	
980					
410		11.8	63.6	✓	
970					
410		10.7	64.7	✓	+

575,38

2960		
6410	9.1	566.3 ✓
950		
410	5.4	70.0 ✓
2940		
6410	0.9	74.5 ✓
2930		
6420	1.5	73.9 ✓
940		
420	2.6	72.8 ✓
950		
420	5.9	69.5 ✓
960		
420	9.7	65.7 ✓
970		
420	11.7	63.7 ✓
980		
420	12.1	63.3 ✓
2990		
420	12.6	62.9 ✓
3000		
420	12.7	62.7 ✓
010		
420	12.5	62.9 ✓
020		
420	12.5	62.9 ✓
030		
420	12.7	62.7 ✓
040		
420	12.9	62.5 ✓
050		
420	12.8	62.6 ✓
060		
420	12.7	62.7 ✓
070		
420	11.7	63.7 ✓
080		
420	10.4	65.0 ✓
090		
420	11.5	63.9 ✓
100		
420	10.5	64.9 ✓
110		
420	11.1	64.3 ✓
120		
420	9.4	66.0 ✓
130		
420	8.9	66.5 ✓
140		
420	6.8	68.6 ✓

575.38

3150			
6420	4.8	570.6	✓
160			
420	3.8	71.6	✓
3150			
6430	4.0	71.4	✓
140			
430	5.8	69.6	✓
130			
430	7.3	68.1	✓
120			
430	9.0	66.4	✓
110			
430	9.8	65.6	✓
100			
430	10.1	65.3	✓
090			
430	11.4	64.0	✓
080			
430	11.5	63.9	✓
070			
430	9.1	66.3	✓
060			
430	12.3	63.1	✓
050			
430	12.8	62.6	✓
040			
430	12.8	62.6	✓
030			
430	12.6	62.8	✓
020			
430	12.7	62.7	✓
010			
430	12.5	62.9	✓
3000			
430	12.8	62.6	✓
2990			
430	12.7	62.7	✓
980			
430	12.7	62.7	✓
970			
430	11.8	63.6	✓
960			
430	11.0	64.4	✓
950			
430	8.0	67.4	✓
940			
430	5.3	70.1	✓
930			
430	3.0	72.4	✓

x

575.38

2920			
6440	0.2	575.2	✓
930			
440	4.2	71.2	✓
940			
440	6.6	68.8	✓
950			
440	8.8	66.6	✓
960			
440	11.5	63.9	✓
970			
440	12.5	62.9	✓
980			
440	12.5	62.9	✓
2990			
440	12.5	62.9	✓
3000			
440	12.7	62.7	✓
010			
440	12.6	62.8	✓
020			
440	12.6	62.8	✓
030			
440	12.9	62.5	✓
040			
440	12.8	62.6	✓
050			
440	11.9	63.5	✓
060			
440	9.1	66.3	✓
070			
440	11.5	63.9	✓
080			
440	11.3	64.1	✓
090			
440	9.9	65.5	✓
100			
440	10.1	65.3	✓
110			
440	8.7	66.7	✓
120			
440	7.8	67.6	✓
130			
440	6.6	68.8	✓
3140			
6440	3.6	71.8	✓

x

June 11-1932  
Elliott - Notes  
Simpson-Level  
Saper - Rod  
Remmen - Tape

48

B.M.

585.43

1.07 586.50

T.P.A.

8.94 577.56

5.14 582.70

3190			
6080	4.8	577.9	✓
3180			
6080	0.1	82.6	✓
3180			
6090	0.9	81.8	✓
3190			
6090	5.2	77.5	✓
3190			
6100	5.1	77.6	✓
3180			
6100	5.0	77.7	✓
3170			
6100	1.0	81.7	✓
3190			
6110	7.0	75.7	✓
3180			
6110	4.9	77.8	✓
3170			
6110	5.1	77.6	✓
3160			
6110	1.7	81.0	✓
3190			
6120	10.8	71.9	✓
3180			
6120	5.6	77.1	✓
3170			
6120	5.2	77.5	✓
3160			
6120	5.2	77.5	✓
3150			
6120	0.3	82.4	✓
3150			
6130	4.3	78.4	✓
3160			
6130	5.2	77.5	✓
3170			
6130	7.2	75.5	✓
3190			
6130	12.3	70.4	✓
3190			
6130	14.1	68.6	✓

x

582.70

3190			
6140	16.4	566.3	✓
3180			
6140	15.0	67.7	✓
3170			
6140	11.9	70.8	✓
3160			
6140	7.8	74.9	✓
3150			
6140	5.5	77.2	✓
3140			
6140	0.5	82.2	✓
3130			
6150	1.4	81.3	✓
3140			
6150	5.6	77.1	✓
3150			
6150	5.7	77.0	✓
3160			
6150	11.7	71.0	✓
3170			
6150	14.0	68.7	✓
3180			
6150	15.3	67.4	✓
3190			
6150	18.1	64.6	✓
3160			
6160	13.2	69.5	✓
3150			
6160	10.6	72.1	✓
3140			
6160	6.1	76.6	✓
3130			
6160	6.0	76.7	✓
3120			
6170	1.9	80.8	✓
3130			
6170	6.3	76.4	✓
3140			
6170	6.3	76.4	✓
3150			
6170	11.8	70.9	✓
3160			
6170	13.9	68.8	✓
3150			
6180	13.1	69.6	✓
3140			
6180	8.7	74.0	✓ x

582.70

3130			
6180	6.8	575.9	✓
3120			
6180	6.0	76.7	✓
3110			
6190	4.8	77.9	✓
3120			
6190	7.0	75.7	✓
3130			
6190	7.2	75.5	✓
3140			
6190	13.8	68.9	✓
3140			
6200	14.2	68.5	✓
3130			
6200	8.3	74.4	✓
3120			
6200	6.7	76.0	✓
3110			
6200	6.4	76.3	✓
3100			
6200	2.7	80.0	✓
T.P.	9.90	572.80	

0.46

573.26

3170			
6160	5.0	568.3	✓
3180			
6160	7.4	65.9	✓
3190			
6160	9.4	63.9	✓
3190			
6170	10.9	62.4	✓
3180			
6170	9.8	63.5	✓
3170			
6170	6.3	67.0	✓
3160			
6180	7.8	65.5	✓
3170			
6180	9.4	63.9	✓
3180			
6180	10.9	62.4	✓
3190			
6180	10.3	63.0	✓
3190			
6190	10.3	63.0	✓

x

573.26

3180			
6170	10.3	563.0	✓
170			
190	10.5	62.8	✓
160			
190	9.8	63.5	✓
150			
190	8.4	64.9	✓
150			
200	9.6	63.7	✓
160			
200	10.2	63.1	✓
170			
200	10.6	62.7	✓
180			
200	10.2	63.1	✓
190			
200	10.1	63.2	✓
190			
210	10.1	63.2	✓
180			
210	9.8	63.5	✓
170			
210	10.4	62.9	✓
160			
210	10.4	62.9	✓
150			
210	10.4	62.9	✓
140			
210	9.1	64.2	✓
140			
220	9.7	63.6	✓
150			
220	10.2	63.1	✓
160			
220	10.2	63.1	✓
170			
220	10.7	62.6	✓
180			
220	10.1	63.2	✓
190			
220	10.6	62.7	✓
190			
230	10.6	62.7	✓
180			
230	10.3	63.0	✓
170			
230	10.5	62.8	✓
160			
230	9.3	64.0	✓

x

573.26

3150		
6230	9.6	563.7 ✓
3140		
6230	10.0	63.3 ✓
3130		
6230	8.5	64.8 ✓
3130		
6240	9.5	63.8 ✓
140		
240	10.1	63.2 ✓
150		
240	10.1	63.2 ✓
160		
240	10.3	63.0 ✓
3170		
6240	10.7	62.6 ✓

T.P.A"

577.56 Page 48

3.96 581.52

3090		
6210	1.5	580.0 ✓
100		
210	5.4	76.1 ✓
110		
210	5.7	75.8 ✓
120		
210	5.7	75.8 ✓
3130		
6210	8.4	73.1 ✓
3130		
6220	16.4	65.1 ✓
120		
220	11.6	69.9 ✓
110		
220	7.3	74.2 ✓
100		
220	5.5	76.0 ✓
090		
220	5.3	76.2 ✓
080		
220	1.2	80.3 ✓
070		
230	0.0	81.5 ✓
080		
230	5.1	76.4 ✓
090		
230	5.3	76.2 ✓
100		
230	4.9	76.6 ✓

x

581.52

3110			
6230	14.4	567.1	✓
120			
230	15.3	66.2	✓
120			
240	17.2	64.3	✓
110			
140	16.4	65.1	✓
100			
240	14.4	67.1	✓
090			
240	9.0	72.5	✓
080			
240	5.5	76.0	✓
070			
240	4.8	76.7	✓
060			
240	4.3	77.2	✓
050			
240	2.5	79.0	✓
030			
250	1.5	80.0	✓
040			
250	3.3	78.2	✓
050			
250	3.7	77.8	✓
060			
250	4.3	77.2	✓
070			
250	7.5	74.0	✓
060			
260	8.5	73.0	✓
050			
260	6.7	74.8	✓
040			
260	2.5	79.0	✓
030			
260	2.1	79.4	✓
020			
260	+0.3	81.8	✓
000			
270	+4.1	85.6	✓
010			
270	0.2	81.3	✓
020			
270	1.2	80.3	✓
030			
270	1.0	80.5	✓
040			
270	1.5	80.0	✓

x

3050 581.52  
 6270 8.3 573.2 ✓  
 3060 11.0 70.5 ✓  
 6270

End June 11-1932

T. P. 3.96 577.56 ✓

12.54 590.10 ✓

Start June 13-1932

2990  
 6280 5.3 584.8 ✓  
 3000 7.5 82.6 ✓  
 280 8.5 81.6 ✓  
 010 10.8 79.3 ✓  
 280 12.7 77.4 ✓  
 020 16.7 73.4 ✓  
 280 18.9 71.2 ✓  
 030 17.8 72.3 ✓  
 280 16.7 73.4 ✓  
 3050 14.7 75.4 ✓  
 6280 10.7 79.4 ✓  
 3040 6.9 83.2 ✓  
 6290 6.0 84.1 ✓  
 030 0.3 89.8 ✓  
 290 16.7 73.4 ✓  
 020 14.7 75.4 ✓  
 290 10.7 79.4 ✓  
 010 6.9 83.2 ✓  
 3000 6.0 84.1 ✓  
 290 0.3 89.8 ✓  
 2990 + 0.7 90.8 ✓  
 6290 4.3 85.8 ✓  
 2980 5.2 84.9 ✓  
 6290 10.8 79.3 ✓  
 2970 14.1 76.0 ✓  
 6300 15.0 75.1 ✓  
 980 18.0 72.1 ✓  
 300  
 990  
 300  
 300  
 3000  
 300  
 010  
 300  
 020  
 300  
 030  
 300

	590.10	
3000		
6310	13.2	576.9 ✓
2790		
310	7.5	82.6 ✓
980		
310	3.5	86.6 ✓
970		
310	2.6	87.5 ✓
2960		
6310	+0.5	90.6 ✓
2950		
6320	+1.9	92.0 ✓
960		
320	1.9	88.2 ✓
970		
320	2.3	87.8 ✓
980		
320	6.5	83.6 ✓
2990		
6320	12.5	77.6 ✓
2790		
6330	15.8	74.3 ✓
980		
330	11.8	78.3 ✓
970		
330	6.6	83.5 ✓
960		
330	1.4	88.7 ✓
950		
330	0.8	89.3 ✓
940		
330	+8.1	98.2 ✓
940		
340	+0.2	90.3 ✓
950		
340	0.4	89.7 ✓
960		
340	0.3	89.8 ✓
970		
340	10.0	80.1 ✓
2980		
6340	15.5	74.6 ✓
2970		
6350	15.3	74.8 ✓
960		
350	8.3	81.8 ✓
950		
350	0.2	89.9 ✓
940		
350	+0.3	90.4 ✓

X

2730	590.10		
6350		+0.7	590.8 ✓
T. P.		0.44	589.66
	1.80		591.46
2920			
6360		0.0	591.5 ✓
930			
360		0.9	90.6 ✓
940			
360		1.0	90.5 ✓
950			
360		5.0	86.5 ✓
960			
360		12.4	79.1 ✓
950			
370		11.8	79.7 ✓
940			
370		6.6	84.9 ✓
930			
370		0.4	91.1 ✓
920			
370		0.9	89.6 ✓
910			
370		+3.5	95.0 ✓
910			
380		0.7	90.7 ✓
920			
380		1.1	90.4 ✓
930			
380		5.8	85.7 ✓
940			
380		11.6	79.9 ✓
940			
390		13.7	77.8 ✓
930			
390		10.3	81.2 ✓
920			
390		0.7	90.8 ✓
910			
390		0.9	90.6 ✓
900			
390		+6.6	98.1 ✓
900			
400		0.2	91.3 ✓
910			
400		0.8	90.7 ✓
920			
400		4.5	87.0 ✓

x

2930	591.46			
6400		12.2	579.3	✓
930				
410		13.9	77.6	✓
920				
410		7.5	84.0	✓
910				
410		1.1	90.4	✓
900				
410		0.6	90.9	✓
890				
410		11.1	92.6	✓
890				
420		0.0	91.5	✓
900				
420		0.5	91.0	✓
910				
420		3.6	87.9	✓
920				
420		11.3	80.2	✓
920				
430		15.0	76.5	✓
910				
430		7.8	83.7	✓
900				
430		10.5	92.0	✓
890				
430		0.3	91.2	✓
880				
440		10.2	91.7	✓
890				
440		0.4	91.1	✓
900				
440		3.1	88.4	✓
2910				
6440		9.9	81.6	✓
B.M.		6.00	585.46	Record
				585.43

X

June 13, 1932

58

	0.15	563.80		563.65. B.M.
	5.96	563.07	6.69	557.11
3640				
3910			5.8	57.3 ✓
3640				
3900			5.5	57.6 ✓
3640				
3890			5.3	57.8 ✓
650				
890			6.2	56.9 ✓
660				
890			4.8	58.3 ✓
670				
890			4.1	59.0 ✓
680				
890			3.1	60.0 ✓
3670				
3890			3.1	60.0 ✓
3690				
3880			2.0	60.1 ✓
680				
880			2.3	59.8 ✓
670				
880			3.7	59.4 ✓
660				
880			5.5	57.6 ✓
650				
880			5.9	57.2 ✓
640				
880			4.8	58.3 ✓
640				
870			5.1	58.0 ✓
650				
870			5.8	57.3 ✓
660				
870			5.9	57.2 ✓
670				
870			4.0	59.1 ✓
680				
870			3.2	59.9 ✓
690				
870			2.9	60.2 ✓
700				
870			3.1	60.0 ✓
700				
860			3.0	60.1 ✓

x

563.07

3690			
3860			
680	2.8	560.3	✓
860	3.1	60.0	✓
670			
860	4.3	58.8	✓
660			
860	5.6	57.5	✓
650			
860	6.0	57.1	✓
640			
860	6.2	56.9	✓
640			
850	6.0	57.1	✓
650			
850	5.6	57.5	✓
660			
850	5.5	57.6	✓
670			
850	4.7	58.4	✓
680			
850	3.6	59.5	✓
690			
850	3.1	60.0	✓
700			
850	3.0	60.1	✓
700			
840	3.7	59.4	✓
690			
840	3.6	59.5	✓
680			
840	4.5	58.6	✓
670			
840	5.1	58.0	✓
660			
840	5.5	57.6	✓
650			
840	5.3	57.8	✓
640			
840	5.6	57.5	✓
630			
840	6.5	56.6	✓
620			
840	7.9	55.2	✓
610			
840	8.4	54.7	✓
600			
840	7.8	55.3	✓

X

563.07

3590				
3840		8.1	555.0	✓
580				
840		9.5	53.6	✓
570				
840		8.5	54.6	✓
560				
840		11.5	51.6	✓
550				
840		12.8	50.3	✓
710				
830		3.8	59.3	✓
700				
830		3.7	59.4	✓
690				
830		4.6	58.5	✓
680				
830		3.9	59.2	✓
670				
830		5.1	58.0	✓
660				
830		5.6	57.5	✓
650				
830		5.4	57.7	✓
640				
830		4.8	58.3	✓
630				
830		5.0	58.1	✓
620				
830		8.5	54.6	✓
610				
830		8.8	54.3	✓
600				
830		7.1	56.0	✓
590				
830		8.1	55.0	✓
580				
830		9.4	53.7	✓
870				
830		8.5	54.6	✓
860				
830		11.9	51.2	✓

T.P.

5.96 557.11

4.66 561.77

3700				
3820		3.2	558.6	✓
3690				
3820		2.4	59.4	✓

X

End June 13-1932

Start June 14-1932

561.77

3680			
3820	2.6	559.2	✓
670			
820	3.8	58.0	✓
660			
820	4.2	57.6	✓
650			
820	4.1	57.7	✓
640			
820	3.0	58.8	✓
630			
820	3.4	58.4	✓
620			
820	6.8	55.0	✓
610			
820	7.2	54.6	✓
600			
820	6.2	55.6	✓
590			
820	8.2	53.6	✓
580			
820	8.2	53.6	✓
570			
820	6.0	55.8	✓
560			
820	10.9	50.9	✓
550			
820	12.1	49.7	✓
540			
820	12.1	49.7	✓
530			
820	12.1	49.7	✓
520			
820	12.5	49.3	✓
510			
820	13.7	48.1	✓
500			
820	12.6	49.2	✓
700			
810	2.9	58.9	✓
690			
810	2.4	59.4	✓
680			
810	2.5	59.3	✓
670			
810	4.0	59.8	✓
660			
810	4.3	57.5	✓
650			
810	4.5	57.3	✓

x

561.77

3640			
3810			
690	3.8	558.0	✓
810			
620	3.7	58.1	✓
810			
610	7.2	54.6	✓
810			
600	6.8	55.0	✓
810			
600	6.2	55.6	✓
810			
590	8.5	53.8	✓
810			
580	7.7	54.1	✓
810			
570	6.4	55.4	✓
810			
560	10.6	51.2	✓
810			
550	11.4	50.4	✓
810			
540	12.2	49.6	✓
810			
530	11.7	50.1	✓
810			
520	12.9	48.9	✓
810			
510	13.3	48.5	✓
810			
500	12.7	49.1	✓
810			
700			
800	2.4	59.4	✓
690			
800	2.2	59.6	✓
680			
800	3.4	58.4	✓
670			
800	4.2	57.6	✓
660			
800	4.3	57.5	✓
650			
800	4.4	57.4	✓
640			
800	4.5	57.3	✓
630			
800	4.8	57.0	✓
620			
800	7.5	54.3	✓
610			
800	7.0	54.8	✓

x

561.77

3600				
3800				
590		7.3	554.5	✓
800		8.5	53.3	✓
580				
800		7.9	53.9	✓
570				
800		8.2	53.6	✓
560				
800		10.5	51.3	✓
550				
800		12.0	49.8	✓
540				
800		12.3	49.5	✓
530				
800		11.9	49.9	✓
520				
800		13.0	48.8	✓
510				
800		13.6	48.2	✓
500				
800		12.8	49.0	✓
700				
790		2.0	59.8	✓
690				
790		1.2	60.6	✓
680				
790		2.8	59.0	✓
670				
790		4.2	57.6	✓
660				
790		4.3	57.5	✓
650				
790		4.2	57.6	✓
640				
790		3.8	58.0	✓
630				
790		4.7	57.1	✓
620				
790		7.1	54.7	✓
610				
790		6.8	55.0	✓
600				
790		8.2	53.6	✓
590				
790		8.3	53.5	✓
580				
790		8.5	53.3	✓
570				
790		8.8	53.0	✓

X

561.77

3560			
3790	10.3	551.5	✓
550			
790	12.0	49.8	✓
540			
790	12.6	49.2	✓
530			
790	12.2	49.6	✓
520			
790	12.9	48.9	✓
510			
790	13.7	48.1	✓
500			
790	12.8	49.0	✓
700			
780	2.3	59.5	✓
690			
780	3.0	58.8	✓
680			
780	2.4	59.4	✓
670			
780	4.2	57.6	✓
660			
780	4.6	57.2	✓
650			
780	3.5	58.3	✓
640			
780	3.1	58.7	✓
630			
780	4.1	57.7	✓
620			
780	6.9	54.9	✓
610			
780	8.2	53.6	✓
600			
780	8.4	53.4	✓
590			
780	8.3	53.5	✓
580			
780	8.3	53.5	✓
570			
780	8.2	53.6	✓
560			
780	10.4	51.4	✓
550			
780	11.8	50.0	✓
540			
780	12.6	49.2	✓
530			
780	12.1	49.7	✓

x

561.77

3520 3780	13.2	548.6	✓
510 780	13.6	48.2	✓
500 780	12.9	48.9	✓
710 770	2.2	59.6	✓
700 770	0.7	60.9	✓
690 770	2.0	59.8	✓
680 770	2.5	59.3	✓
670 770	4.4	57.4	✓
660 770	4.5	57.3	✓
650 770	2.9	58.9	✓
640 770	3.5	58.3	✓
630 770	5.2	56.6	✓
620 770	6.2	55.6	✓
610 770	6.5	55.3	✓
600 770	9.2	52.6	✓
590 770	6.8	55.0	✓
580 770	8.7	53.1	✓
570 770	8.7	53.1	✓
560 770	10.5	51.3	✓
550 770	11.2	50.6	✓
540 770	12.7	49.1	✓
530 770	12.7	49.1	✓
520 770	13.2	48.6	✓
510 770	13.6	48.2	✓
500 770	12.9	48.9	✓

x

561.77

3730			
3760	3.2	558.6	✓
720			
760	3.5	58.3	✓
710			
760	2.4	59.4	✓
700			
760	1.5	60.3	✓
690			
760	1.3	60.5	✓
680			
760	2.6	59.2	✓
670			
760	4.6	57.2	✓
660			
760	4.5	57.3	✓
650			
760	3.7	58.1	✓
640			
760	3.1	58.7	✓
630			
760	5.9	55.9	✓
620			
760	6.0	55.8	✓
610			
760	5.6	56.2	✓
600			
760	7.8	54.0	✓
590			
760	7.4	54.4	✓
580			
760	8.9	52.9	✓
570			
760	11.8	50.0	✓
560			
760	10.9	50.9	✓
550			
760	11.6	50.2	✓
540			
760	12.4	49.4	✓
530			
760	12.9	48.9	✓
520			
760	13.1	48.7	✓
510			
760	13.7	48.1	✓
500			
760	13.0	48.8	✓

561.77

3740			
3750			
730	2.7	559.1	✓
750			
720	3.0	58.8	✓
750			
710	3.6	58.2	✓
750			
700	2.5	59.3	✓
750			
690	2.3	59.5	✓
750			
680	1.5	60.3	✓
750			
670	2.2	59.6	✓
750			
660	4.3	57.5	✓
750			
650	4.6	57.2	✓
750			
640	4.9	56.9	✓
750			
630	4.9	56.9	✓
750			
620	6.1	55.7	✓
750			
610	6.0	55.8	✓
750			
600	6.4	55.4	✓
750			
590	8.2	53.6	✓
750			
580	8.3	53.5	✓
750			
570	8.9	52.9	✓
750			
560	7.5	54.3	✓
750			
550	11.1	50.7	✓
750			
540	12.1	49.7	✓
750			
530	12.9	48.9	✓
750			
520	13.3	48.5	✓
750			
510	13.3	48.5	✓
750			
500	14.0	47.8	✓
750			
	13.2	48.6	✓

561.77

3740			
3740	2.6	559.2	✓
730			
740	2.1	59.7	✓
720			
740	3.6	58.2	✓
710			
740	2.5	59.3	✓
700			
740	1.5	60.3	✓
690			
740	1.0	60.8	✓
680			
740	2.7	59.1	✓
670			
740	4.7	57.1	✓
660			
740	4.1	57.7	✓
650			
740	3.0	58.8	✓
640			
740	3.4	58.4	✓
630			
740	4.2	57.6	✓
620			
740	6.5	55.3	✓
610			
740	6.6	55.2	✓
600			
740	8.6	53.2	✓
590			
740	8.5	53.3	✓
580			
740	8.9	52.9	✓
570			
740	6.1	55.7	✓
560			
740	10.5	51.3	✓
550			
740	12.2	49.6	✓
540			
740	3.1	58.7	✓
530			
740	13.3	48.5	✓
520			
740	13.4	48.4	✓
510			
740	14.0	47.8	✓
500			
740	13.3	48.5	✓

X

561.77

3740			
3730	2.7	559.1	✓
730			
730	2.3	59.5	✓
720			
730	3.7	58.1	✓
710			
730	2.5	59.3	✓
700			
730	1.5	60.3	✓
690			
730	1.5	60.3	✓
680			
730	2.9	58.9	✓
670			
730	4.8	57.0	✓
660			
730	5.0	56.8	✓
650			
730	5.4	56.4	✓
640			
730	4.4	57.4	✓
630			
730	4.9	56.9	✓
620			
730	4.2	57.6	✓
610			
730	6.2	55.6	✓
600			
730	8.6	53.2	✓
590			
730	8.6	53.2	✓
580			
730	8.9	52.9	✓
570			
730	5.5	56.3	✓
560			
730	10.5	51.3	✓
550			
730	12.2	49.6	✓
540			
730	13.2	48.6	✓
530			
730	13.3	48.5	✓
520			
730	13.3	48.5	✓
510			
730	14.0	47.8	✓
500			
730	13.4	48.4	✓

X

561.77

3740			
3720			
730	3.1	558.7	✓
720			
720	3.0	58.8	✓
720			
720	3.7	58.1	✓
710			
720	3.5	58.3	✓
700			
720	2.3	59.5	✓
690			
720	2.1	59.7	✓
680			
720	3.2	58.6	✓
670			
720	3.8	58.0	✓
660			
720	5.0	56.8	✓
650			
720	4.7	57.1	✓
640			
720	4.3	57.5	✓
630			
720	5.8	56.0	✓
620			
720	4.9	56.9	✓
610			
720	5.2	56.6	✓
600			
720	7.5	54.3	✓
590.			
720	8.6	53.2	✓
580			
720	9.5	52.3	✓
570			
720	9.5	52.3	✓
560			
720	11.5	50.3	✓
550			
720	12.6	49.2	✓
540			
720	13.2	48.6	✓
530			
720	13.4	48.4	✓
520			
720	13.3	48.5	✓
510			
720	13.9	47.9	✓
500			
720	13.8	48.0	✓

X

	561.77		
3730			
3710			
720	2.8	558.0	✓
710	4.0	57.8	✓
710			
710	2.6	59.2	✓
700			
710	2.5	59.3	✓
690			
710	3.1	58.7	✓
680			
710	3.3	58.5	✓
670			
710	3.8	58.0	✓
660			
710	3.9	57.9	✓
650			
710	4.9	56.9	✓
640			
710	4.3	57.5	✓
630			
710	5.2	56.6	✓
620			
710	6.0	55.8	✓
610			
710	6.3	55.5	✓
600			
710	7.5	54.3	✓
590			
710	8.6	53.2	✓
580			
710	9.4	52.4	✓
570			
710	11.0	50.8	✓
560			
710	11.4	50.4	✓
550			
710	12.5	49.3	✓
540			
710	13.3	48.5	✓
530			
710	13.6	48.2	✓
520			
710	13.5	48.3	✓
510			
710	13.7	48.1	✓
500			
710	13.7	48.1	✓

X

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561.77

3730			
3700			
720	5.4	556.4	✓
700	3.9	57.9	✓
710			
700	3.5	58.3	✓
700			
700	2.2	59.6	✓
690			
700	3.5	58.3	✓
680			
700	2.8	59.0	✓
670			
700	3.8	58.0	✓
660			
700	4.4	57.4	✓
650			
700	3.8	58.0	✓
640			
700	4.6	57.2	✓
630			
700	4.7	57.1	✓
620			
700	5.2	56.6	✓
610			
700	5.8	56.0	✓
600			
700	7.4	54.4	✓
590			
700	8.5	53.3	✓
580			
700	9.1	52.7	✓
570			
700	10.6	51.2	✓
560			
700	12.1	49.7	✓
550			
700	12.8	49.0	✓
540			
700	13.3	48.5	✓
530			
700	13.4	48.4	✓
520			
700	14.0	47.8	✓
510			
700	13.6	48.2	✓
500			
700	13.6	48.2	✓

X

561.77

3730			
3690			
720	5.8	556.0	✓
690	3.4	58.4	✓
710			
690	2.4	59.4	✓
700			
690	2.6	59.2	✓
690			
690	3.4	58.4	✓
680			
690	3.8	58.0	✓
670			
690	4.9	56.9	✓
660			
690	3.9	57.9	✓
650			
690	5.0	56.8	✓
640			
690	4.1	57.7	✓
630			
690	4.6	57.2	✓
620			
690	4.8	57.0	✓
610			
690	5.2	56.6	✓
600			
690	7.5	54.3	✓
590			
690	8.5	53.3	✓
580			
690	9.5	52.3	✓
570			
690	9.1	52.7	✓
560			
690	12.7	49.1	✓
550			
690	12.9	48.9	✓
540			
690	13.4	48.4	✓
530			
690	13.9	47.9	✓
520			
690	13.7	48.1	✓
510			
690	13.5	48.3	✓
500			
690	13.8	48.0	✓

X

June 14-1932

561.77

3740				
3680		2.0	559.8	✓
730				
680		4.7	57.1	✓
720				
680		3.4	58.4	✓
710				
680		2.4	59.4	✓
700				
680		2.7	59.1	✓
690				
680		2.8	59.0	✓
680				
680		5.5	56.3	✓
670				
680		3.4	58.4	✓
680				
680		4.8	57.0	✓
650				
680		4.4	57.4	✓
640				
680		4.6	57.2	✓
630				
680		4.3	57.5	✓
620				
680		4.7	57.1	✓
610				
680		5.1	56.7	✓
600				
680		7.8	54.0	✓
590				
680		8.2	53.6	✓
580				
680		9.8	52.0	✓
570				
680		10.6	51.2	✓
560				
680		12.6	49.2	✓
550				
680		13.1	48.7	✓
540				
680		13.4	48.4	✓
530				
680		14.1	47.7	✓
520				
680		13.6	48.2	✓
510				
680		13.6	48.2	✓
500				
680		13.7	48.1	✓

X

561.77

T.P.	4.09	565.63	0.23	561.54	
3740					
3670			6.5	59.1	✓
730					
670			7.6	58.0	✓
720					
670			7.6	58.0	✓
710					
670			7.6	58.0	✓
700					
670			7.4	58.2	✓
690					
670			6.9	58.7	✓
680					
670			8.5	57.1	✓
670			9.1	56.5	✓
660					
670			7.1	58.5	✓
650					
670			8.7	56.9	✓
640					
670			8.4	57.2	✓
630					
670			8.2	57.4	✓
620					
670			8.5	57.1	✓
610					
670			8.9	56.7	✓
600					
670			11.5	54.1	✓
590					
670			12.2	53.4	✓
580					
670			13.4	52.2	✓
730					
660			5.6	60.0	✓
720					
660			7.2	58.4	✓
710					
660			7.8	57.8	✓
700					
660			7.5	58.1	✓
690					
660			7.6	58.0	✓
680					
660			7.0	58.6	✓
670					
660			8.8	56.8	✓

X

565.63

3660			
3660	8.7	556.9	✓
650			
660	8.6	57.0	✓
640			
660	8.7	56.9	✓
630			
660	8.9	56.7	✓
620			
660	9.0	56.6	✓
610			
660	8.9	56.7	✓
600			
660	10.9	54.7	✓
590			
660	12.0	53.6	✓
580			
660	13.6	52.0	✓
730			
650	5.2	60.4	✓
720			
650	7.1	58.5	✓
710			
650	7.5	58.1	✓
700			
650	7.8	57.8	✓
690			
650	7.7	57.9	✓
680			
650	7.7	57.9	✓
670			
650	8.0	57.6	✓
660			
650	8.8	56.8	✓
650			
650	8.9	56.7	✓
640			
650	8.6	57.0	✓
630			
650	8.6	57.0	✓
620			
650	9.1	56.5	✓
610			
650	8.9	56.7	✓
600			
650	11.0	54.6	✓
590			
650	12.1	53.5	✓
580			
650	14.3	51.3	✓

X

565.63

3730			
3640			
720	5.3	560.3	✓
640	6.0	59.6	✓
710			
640	6.9	58.7	✓
700			
640	6.9	58.7	✓
690			
640	7.5	58.1	✓
680			
640	7.8	57.8	✓
670			
640	7.8	57.8	✓
660			
640	8.5	57.1	✓
650			
640	8.7	56.9	✓
640			
640	8.9	56.7	✓
630			
640	9.2	56.4	✓
620			
640	9.5	56.1	✓
610			
640	9.7	55.9	✓
600			
640	10.9	54.7	✓
590			
640	12.4	53.2	✓
750			
630	8.7	56.9	✓
740			
630	7.5	58.1	✓
730			
630	6.2	59.4	✓
720			
630	6.2	59.4	✓
710			
630	6.8	58.8	✓
700			
630	6.7	58.9	✓
690			
690	6.4	59.2	✓
680			
630	6.9	58.7	✓
670			
630	7.8	57.8	✓
660			
630	8.2	57.4	✓

X

565.63

3650		
3630		
640	8.7	556.9 ✓
630	8.6	57.0 ✓
630		
630	8.8	56.8 ✓
620		
630	8.7	56.9 ✓
610		
630	9.2	56.4 ✓
600		
630	11.0	54.6 ✓
590		
630	13.1	52.5 ✓
750		
620	8.0	57.6 ✓
740		
620	8.3	57.3 ✓
730		
620	7.4	58.2 ✓
720		
620	7.3	58.3 ✓
710		
620	6.0	59.6 ✓
700		
620	6.8	58.8 ✓
690		
620	6.6	59.0 ✓
680		
620	6.6	59.0 ✓
670		
620	6.7	58.9 ✓
660		
620	7.2	58.4 ✓
650		
620	7.9	57.7 ✓
640		
620	7.9	57.7 ✓
630		
620	9.0	56.6 ✓
620		
620	8.8	56.8 ✓
610		
620	8.9	56.7 ✓
600		
620	10.2	55.4 ✓
590		
620	12.4	53.2 ✓

Continued in Book # 353

X

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder  
taken for any width roadway, slope 1/2 to 1.  
If ground is nearly level, the cut or fill at side  
stake is located by the double curve method in  
left column and top row. The number in both

of table in same row and column gives distance  
from side stake to slope stake. If ground is  
the side stake and slope stake lower target by the  
amount it cut, there will be distance in table. Put up  
rod at cut and find distance in table. Put up  
target.

necessary.

TABLE No. 2.

To find Tangent and External for curve of  
any other degree, divide by degree of curve and  
add correction found in column of correction.  
Degree of curve with a given  $L$  may be found  
by dividing tangent (or external), opposite  $L$  by  
given tangent (or external).

The distance from a point on the tangent to  
the curve is very nearly the square of the tangent  
length divided by twice the radius.

55  
500  
33,000