







Brewing Book.

1933-34.

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ORAND + SON LTD.

April 4, 1933 - April 3, 1934



164  
" 5  
" 6

15 July.

- 16 -



163 Jun.

Alc.

April 4<sup>th</sup>

Malt - 5000 lbs. P. M. Co.

Hops - (30 B.C.<sup>1932</sup>); (20 Bar.<sup>31</sup> + 15 Oregon.<sup>31</sup>); (20 Kent<sup>1932</sup>)

6 S - 6 M - 1.5 K. U.S. - 2 P.

7.01 Mash -  $\frac{141}{37\frac{1}{2}}$

7.30 Hydelt -  $\frac{210}{8}$ ; Steam - 12

8.20 Set Sps; Heat - 153°

Sparge -  $\frac{170}{70\frac{1}{2}}$ ; Hops -  $\frac{170}{2}$

First runs - 22.1°

Last .. - 19°

Water - 37½

72½

2

120

Into Cyp.

102½

- 11 -

Out of Cyp.

91½

Balling.

14.7°

Least - 179 Brew (46 lb + 1½7.)

Air - 14°

Time	Day	Date	Temp.	Balling	Remarks
7.30 AM.	3	April 6	67½°	9.8°	B. W. @ 5:15 AM.
7.30 AM.	4	" 7	69°	4.1°	1 <sup>st</sup> skin @ 1 P.M.
12.30 P.M.	4	" 7	69°	3.6°	-
7.30 AM.	5	" 8	69°	2.5°	-
7.30 AM.	7	" 10	61°	2.2°	-
7.30 AM.	8	<u>April 11</u>	58°	<u>2.15°</u>	<u>- Racked -</u>



No. 7 Run

Ale.

April 5.

Malt - 5000 lb. D. M. Co.

Hops - (30 B. Co.<sup>30</sup>), (30 Bav<sup>30</sup> + 15 Oregon<sup>31</sup>), (20 Kent<sup>32</sup>)

6 S - 6 M - 15 K. M. S. - 2 P.

Mash -  $\frac{145}{87\frac{1}{2}}$ Unclerk -  $\frac{310}{8}$ ; Steam - 12'Set Taps; Heat -  $\frac{154}{120}$ Spray -  $\frac{170}{72\frac{1}{2}}$ ; Hop - 2

First run - 21.9%

Last " - 1%

Waste -  $37\frac{1}{2}$ 72 $\frac{1}{2}$ 

2

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120

Inlt. Cyp.

102 $\frac{1}{2}$  lbs.

Out of Cyp.

- 11 - 7 $\frac{1}{2}$ 

Balling -

14.1%

Yeast - X 179 Brew (6 lb + 1 $\frac{1}{2}$  7)Alc - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 AM	2	April 6	60 $\frac{1}{2}$	13.65%	B. 4 @ 5 AM.
7.30 AM	3	" 7			2 lt. @ 9 AM.
6 P.M.	3	" 7	69°	6.8%	
7.30 AM	4	" 8	69°	4.1%	1 <sup>st</sup> skin @
7.30	6	" 10	66°	2.3%	
7.30	8	April 12	57 $\frac{1}{2}$	2.2%	- Rashed -

No. 9 run

Alc.

April 7

Malt - 5000 lb. D. M. Co.  
 Hops - (30 B.C. '32); (20 Bav '1 + 15 Oregon '1); (20 Kent '31)  
 6 S - 6 M - 1.5 K. U.S - 2 P.

Mash -  $\frac{148}{37\frac{1}{2}}$   
 Underlet -  $\frac{210}{4}$ ; Hbar - 12'  
 Let Tops; Heat - 155°  
 Sparge -  $\frac{170}{72\frac{1}{2}}$ ; Hsp. -  $\frac{170}{2}$

First run - 22?  
 Last .. - 1?  
 Water - 37  $\frac{1}{2}$   
 8  
 72  $\frac{1}{2}$   
 2  
 120

In to Cg.                      Out of Cg.                      Balling.  
 102  $\frac{1}{2}$  lbs.                      — 11 —                      97  $\frac{1}{2}$                       14.05%

Least - #180 Brew (46 lb. + 1  $\frac{1}{2}$  F.)                      Air - 1  $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	2	April 8	60 $\frac{1}{2}$ °	13.6%	B.H @ 6 AM.
7.30	4	" 10	69°	4.15?	1 <sup>st</sup> skum @ 11 AM.
7.30	5	" 11	69°	2.6?	
<del>7.30 AM</del> #1 AM	9	April 15	57°	2.15?	- Rashed -



No 4 run.

Ale.

April 10.

Malt - 5000 lbs P. M. Co.  
 Hops - (30 B. Co.); (20 Paris + 15 Oregon); (20 Kent)<sup>1/2</sup>.  
 68 - 6 M - 1.5 K. U.S. - 2 P.

6.55 am Mash -  $\frac{148^\circ}{57\frac{1}{2}}$   
 7.43.. Underbott -  $\frac{218}{8}$ ; stems - 11 $\frac{1}{2}$   
 8.30.. Let Papo; Heat - 154°  
 Gauge -  $\frac{170}{72\frac{1}{2}}$ ; Hop -  $\frac{170}{2}$

First run - 22%  
 Last - 50%  
 Water - 57 $\frac{1}{2}$   
 8  
 72 $\frac{1}{2}$   
 2  
 120

Dut Cop.                      Out of Cop.                      Baling.  
 102 $\frac{1}{2}$  lbs.                      - 11 -                      91 $\frac{1}{2}$                       14.1%

Last - \* 1 Brew. (46 lbs + 1 $\frac{1}{2}$ ?)                      Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Baling	Remarks.
7.30 am	2	April 11	60°	13.65%	B. H. @ 57.31 AM.
7.30 "	3	" 12	68°	9.5%	Dut H. @ 7.30 AM.
7.30 "	4	" 13	69°	4.1%	1 <sup>st</sup> skini @ 11 AM.
7.30 "	6 <sup>+</sup>	" 15	66 $\frac{1}{2}$ °	2%	
7.30 "	8	<u>April 19</u>	56°	<u>2%</u>	- <u>Rashed</u> -



No. 8 Run.

Alc.

April 11.

Malt - 5000 lb. D. M. Co.

Hops - (30 B.C.<sup>32</sup>); (28 Bar.<sup>34</sup> 1/5 Oregon<sup>21</sup>); (20 Kent<sup>132</sup>)

68 - 6 M - 1.5 K. M. S. - 2 P.

7 am	Mash - $\frac{145}{37\frac{1}{2}}$	First runs - 22.3%
7:46	Undert - $\frac{210}{8}$ ; Boas - 12	Last - 0.9%
8:30	Set Taps; Heat - 156	Water - 37 $\frac{1}{2}$
	Sparge - $\frac{120}{73\frac{1}{2}}$ ; Hops - $\frac{170}{2}$	8
		72 $\frac{1}{2}$
		2
		<hr/> 120

Inb Cop.

Out of Cop.

Balling

102 1/2 lbs. - 11 -

9 1/2

14.25%

Yeast - 13 Brew (46 lbs + 1 1/2 P.)

Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks.
7:30 am	2	April 12	61°	13.9%	B. H. @ 6:30 AM (Sat).
7:30	3	" 13	65 1/2°	9.7%	In lb. @ 8:30 AM.
10 AM.	4	" 14	69°	4.1%	1st skin @ <del>11</del> P.M.
7:30 AM.	5	" 15	69°	2.7%	
7:30	8	April 18	58°	2.35%	- Rashed -

No. 10, run.

Stout.

April <sup>12</sup>/<sub>11</sub>

Malt - 5000 lbs. D. M. Co. &amp; 250 lbs. B. Barley.

Hops - (30 B. C.); (20 Bav. &amp; 15 Organs); 20 Ken &amp; 52

68 - 6 M - 15 K. M. S. - 1/25 1. - 1. wort - 2; C. wort - 3;  
G. wort - 4.

6.57<sup>am</sup> Mash -  $\frac{166}{31\frac{1}{2}}$   
 7.46 " Unkilt -  $\frac{212}{8}$ ; Stear -  $11\frac{1}{4}$   
 8.32 " Set Taps; Heat -  $154^{\circ}$   
 Gauge -  $\frac{170}{73\frac{1}{2}}$ ; Hop -  $\frac{176}{2}$

First runs - 21.7%

Last " - 1.3%

Water -  $35\frac{1}{2}$ 75 $\frac{1}{2}$ 


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 2  


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 122

Intr. Cys.

104 lbs.

- 11 -

Out of Cys.

93 lbs.

Balling.

14.7%

Least - \* 5 Bws (46 lbs + 1 1/2 T.)

Air -  $1\frac{1}{4}$ 

Time	Day	Date	Temp	Balling	Remarks.
7.30 AM.	2	April 13	60 $\frac{1}{2}$	14.1%	B. N. @ 4.45 AM.
6 P.M.	3	" 14	67'	6.9%	
7.30 AM.	4	" 15	69'	4.8%	1 <sup>st</sup> skim @ 12 Noon.
7.30 AM.	6	April 17	58'	3%	- <u>Recked</u> -



No 3 run.

Alc.

April 17/33

Malt - 5000 lb. D. M. Co.  
 Hops - (30 B. C.<sup>32</sup>); (20 Bav.<sup>31</sup> + 15 Oregon<sup>31</sup>); (20 Kent<sup>32</sup>).  
 68 - 6 M - 1.5 K. M. S. - 2 P.

6.55 am Wash -  $\frac{166}{37\frac{1}{2}}$   
 Underbilt -  $\frac{210}{8}$ ; Steam - 11 (Stock)  
 Set Taps; Heat - 155°  
 Sprays -  $\frac{170}{72\frac{1}{2}}$ ; Hyg -  $\frac{170}{2}$

First runs - 22?  
 Last - 0.75?  
 Water - 37 $\frac{1}{2}$   
 72 $\frac{1}{2}$   
 2  
 120

In to Cys. 103 lbb. - 11 - Out of Cys. 92 lbb.

Balling 14.2<sup>00</sup>?

Least - \* 4 Brew (4 lbb + 1 $\frac{1}{2}$  7.)

Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	2	April 18	60 $\frac{1}{2}$	13.85?	B.H. @ 5.08 AM.
7.30	3	" 19	69°	9.4?	In hts. @ 8 AM.
7.30	4	" 20	69°	4.2?	1 <sup>st</sup> skins at (P.M.).
7.30	5	" 21	69°	2.7?	
7.30	6	" 22	66°	2.4?	
7.30	8	<u>April 24</u>	58°	<u>2.4?</u>	<u>Rashed -</u>



Vat 39

Brew No 7. 17<sup>th</sup> April.

14.2% 2.4%

Brew No 8 19<sup>th</sup> April

13.9% 2.25%

mixture 2.4% 8 on Bait to, off oz.

8 x Vat 39

No. 8 Run

Alle.

April 19/33.

Malt - 5000 lb. D. M. Co.  
 Hops - (30 B.C. <sup>30</sup>); (20 Bais. + 15 Luyser); (20 Kent <sup>32</sup>).  
 68 - 64 - 1.5 K. N.S. - 2 P.

6.55<sup>am</sup> Mash -  $\frac{149^{\circ}}{37.5}$   
 7.45 Underlet -  $\frac{210}{8}$ ; Altum -  $10\frac{1}{2}$ '  
 8.30 Let Top; Heat -  
 Gauge -  $\frac{170}{73.5}$ ; Hyg -  $\frac{170}{2}$

First run - 22?  
 Last - 1.1?  
 Water - 37.5  
 8  
 73.5  
 2  
 121

Into Cop. 104 lll. -  $10\frac{1}{2}$  -  
 Out of Cop. 93.5 lll

Balling. 13.9%

Yeast - 4 Brew. (46 ll. +  $1\frac{1}{2}$  F.)

Air -  $1\frac{1}{4}$ '

Time	Day	Date	Temp.	Balling	Remarks
7.30 AM.	2	April 20	60'	13.4?	B.H. @ 6.45 AM.
7.30 AM.	3	" 21	65.5'	10.1?	2 lt @ 2 P.M. (alt)
7.30 AM.	4	" 22	69.5'	4.65?	1 <sup>st</sup> skim @
7.30 AM.	6	" 24	69'	2.3?	
7.30 AM.	7	" 25	61.5'	2.3?	
8. AM.	8	April 26	58'	2.25?	- Reached -



No. 10/Jan.

Stout.

April 30/33

Malt - 5000 lb. P. M. C. & 250 lb. B. Barley.  
 Hops - (30 B. C.); (20 Baro + 15 Oregon); (20 Kent<sup>32</sup>).  
 6-S - 6 M - 1.5 H. M.S. - 11.25 P. - P. root - 2.  
 C. root - 3; G. root - 4.

6.57 am

Mash -  $\frac{148}{38\frac{1}{2}}$ Undrill -  $\frac{210}{8}$ ; Steam - 10'

Set Hops; Heat - 154°

Spray -  $\frac{170}{75\frac{1}{2}}$ ; Hop -  $\frac{170}{9}$ 

First runs - 22.1%

Last .. - 1.5%

Water - 38 $\frac{1}{2}$ 

8

73 $\frac{1}{2}$ 

2

732

Into Cop.

104 lbs.

Out of Cop.

94 lbs.

Balling.

14.7%

Least - \* 8 Brew (46 lbs + 1 $\frac{1}{2}$  7.)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7.30 AM.	2	April 21	60 $\frac{1}{2}$ °	14.3%	B. H. @ 5.30.
7.30 ..	3	" 22	67°	9.5%	L. H. @ 7.30 AM.
7.30 AM.	5	" 24	67°	3.5%	
7.30 AM.	6	" 25	66 $\frac{1}{2}$ °	3.3%	
7.30 AM.	8	April 27	57°	3%	- Rashed -



No. 4 Jun.

Sparkling Ale.

April 24<sup>th</sup>

Malt - 4500 lb. D.M.C.

Hops - ~~20~~ (20 B.C.<sup>32</sup>); (20 Bav. 4/10 Oregon); (20 Kent's 32)S.S. - 6 M - ~~10 K.H.S.~~6.55<sup>am</sup> Mash -  $\frac{141}{34}$ Undrilt -  $\frac{84}{8}$ ; Steam - 8 $\frac{1}{2}$ Left Top; Heat -  $\frac{154}{170}$ Gary -  $\frac{112}{73}$ ; Hop -  $\frac{2}{2}$ 

First runs - 21.7%

Last " - 17.5%

Water - 34

8

73

2

117

Inlt. Cop.

102 $\frac{1}{2}$  lbs.- 11 $\frac{1}{2}$  -

Outlt. Cop.

91 lbs.

Ballng.

13.05%

Yeast - \* 7 Brew (46 lb + 1 $\frac{1}{2}$  7.)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Ballng.	Remarks.
7.30 AM.	2	April 25	60 $\frac{1}{2}$ °	12.7%	B. 4 @ 6 AM.
7.30 AM	3	" 26	69°	8.7%	In lt. @ 7.30 AM.
4.45 AM.	3	" 26	69°	5.8%	} Attn. fast.
6.15.	3	" 26	69°	5.5%	
7.30 AM.	4	" 27	69°	3%	1 <sup>st</sup> skin @ 6 AM.
7.30 ..	5	" 28	66°	2%	
7.30 ..	8	<u>May 1</u>	57 $\frac{1}{2}$ °	1.6%	- Rashed -

No. 9 Jun.

Ale.

April 26<sup>th</sup>

Malt - 5000 Lb. P. M. Co.

Hops - (30 B. C. <sup>32</sup>); (20 Bav. <sup>51</sup> + 50 Oregon <sup>51</sup>); (20 Kent <sup>52</sup>)

6S - 6 M - 1.5 K. M. S. - 2 P.

6.55 am	Mash - $\frac{145}{37}$	First run - 21.86%
7.26.	Undulit - $\frac{310}{9}$ ; Steam - 9	Leat - 1.1%
8.28.	Set taps; Heat - 15-3°	Water - 37
	Sparg - $\frac{170}{74}$ ; Hop - $\frac{170}{2}$	74
		2
		<hr/> 121

Into Coy.

Out of Coy.

Balling.

103  $\frac{1}{2}$  lbs.

- 11 -

95  $\frac{1}{2}$  lbs.

13.9%

Least - \* 7 Brew (46 lbs. + 1  $\frac{1}{2}$  F.)Air - 1  $\frac{1}{2}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7.30 AM.	2	April 27	60 $\frac{1}{2}$ °	13.3%	B. M. @ 5.30 AM.
7.30 AM.	3	" 28	68°	9.35%	2 lb. @ 9 AM.
7.30 "	4	" 29	69°	3.85%	
7.30 "	6	May 1	65°	2.05%	
7.30 "	8	<u>May 3</u>	58°	<u>2.05%</u>	<u>- Racked -</u>



No. 3 Run.

Ale.

April 27<sup>th</sup>

Malt - 5000 lbs. D. M. Co.

Hops - (30 B.C.<sup>32</sup>); (20 Bav.<sup>31</sup> & 15 Oregon<sup>31</sup>); (20 Kent<sup>32</sup>)6 S - 6 M - ~~7.5 K. M. S.~~ - 2 P.6.58<sup>00</sup> Mash -  $\frac{145}{37}$ Undrlet -  $\frac{310}{8}$ ; Steam -  $9\frac{3}{4}$ Let Taps; Heat -  $153\frac{1}{2}$ Sparge -  $\frac{176}{74}$ ; H<sub>2</sub>O -  $\frac{120}{7}$ 

First run - 21.9%

Last .. - 1.1%

Walt -  $\frac{37}{8}$ 

74

1

130

Into Cys.

103 hll.

- 11 $\frac{1}{2}$  -

Out of Cys.

91.5 hll.

Balling.

14.9%

Yeast - \* 8 Bars (46 lb + 1 $\frac{1}{2}$  ?);Air - 1 $\frac{1}{4}$ 

Time	Day	Temp.	Balling	Remarks.
7.30 AM.	2	April 28 60°	13.6%	B. H. @ 5 AM.
" "	3	" 29 67 $\frac{1}{2}$ °	9.6%	In ht. @
7.30 "	5	May 1 68 $\frac{1}{2}$ °	2.35%	
7.30 "	8	<u>May 4</u> 58°	<u>2.05%</u>	- <u>Reached.</u> -



No 8 Jun.

Alc.

May 1<sup>st</sup>  
April

Malt - 5000 lb. D. M. Co.

Hops - (30 B.C.<sup>30</sup>), (20 Brew.<sup>31</sup> + 15 Ouzon.<sup>31</sup>), (20 Kail.<sup>32</sup>)6 S - 6 M - 1 ~~S~~ H.S. - 2 P.

D.S.T.

6.53<sup>am</sup> Mash -  $\frac{148}{57\frac{1}{2}}$ 7.43 - Malt -  $\frac{40}{8}$ ; Steam - 10 $\frac{1}{2}$ 8.25 - Set Taps; Heat - 153 $\frac{1}{2}$ Spray -  $\frac{170}{74\frac{1}{2}}$ ; Hoz -  $\frac{170}{7}$ 

First runs - 21.9%

Last .. - .85%

Wts - 37 $\frac{1}{2}$ 

8

74 $\frac{1}{2}$ 

1

121

Into Cop.

10 B hls. - 10 $\frac{1}{2}$ 

Out of Cop.

92 $\frac{1}{2}$ 

Balling

14.7%

Least - \* 10 Brew (46 lbs. + 15%)

Air - 1 $\frac{1}{2}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	May 2	61°	13.65%	B. H. @ 5:15 pm.
4.30 <sup>am</sup>	2	" 2	63°	12.65%	
7.30 <sup>am</sup>	3	" 3	69°	8.65%	2 lb. @ 4.30 <sup>am</sup>
7.30	4	" 4	69°	3.6%	1 <sup>st</sup> kind 5 AM.
7.30	5	" 5	68 $\frac{1}{2}$	2.35%	
7.30	8	May 8	58°	2.15%	- Racked.

90 lbs H<sub>2</sub>O

No. 10 Juv.

Al.

May 2/35

Malt - 5000 lbs. P.M.C.

Hops - (30 B.C.<sup>22</sup>); (20 Bais<sup>21</sup> + 10 Oregon<sup>31</sup>); (20 Kent<sup>23</sup>) = 90 lbs

6 d - 6 H - ~~15 K~~ - 2 P.

6.58<sup>am</sup> Mash -  $\frac{125}{37\frac{1}{2}}$   
 7.48 Underbit -  $\frac{210}{8}$ ; Steam - 11  
 8.32. Let Temp. Heat - 153 $\frac{1}{2}$   
 Sparge -  $\frac{170}{73\frac{1}{2}}$ ; Hot -  $\frac{170}{1}$

First runs - 21.6%  
 Last - 1.2%  
 Water - 57 $\frac{1}{2}$   
 73 $\frac{1}{2}$   
 1  
 119

Into Cys. 103 hbl. - 11 - Out of Cys. 92 hbl.

Balling 14%

Yeast - \* 10 Brev (46 lb. + 1 $\frac{1}{2}$  7.)

Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	May 3	60 $\frac{1}{2}$	13.4%	B. H @ 5:20 am.
7.50	3	4	69	8.5%	2 <sup>nd</sup> lt. @ 4:15 am.
7.30	4	5	67	3.5%	1 <sup>st</sup> skim @ 7 am.
7.30	5	6	68 $\frac{1}{2}$	2.3%	
7.30	8	May 9	58	2.05%	- Racked -



No. 4 run.

Ale.

May 3/33

Malt - 5000 lbs. D. M. Co.  
 Hops - (30 B.C.<sup>2</sup>); (20 Bav.<sup>2</sup> + 20 Oregon<sup>2</sup>); (20 Kent<sup>2</sup>) = 90 lbs.  
 6 S - 6 M - 2 P.

Mash -  $\frac{48}{56.2}$   
 Underlet -  $\frac{210}{8}$ ; Steam -  $11\frac{1}{4}$   
 6 Taps; Heat -  $154^{\circ}$   
 Sparge -  $\frac{170}{73.5}$ ; Hog -  $\frac{170}{2}$

First runs - 21.75?  
 Last .. - 1.25?  
 Water -  $36\frac{1}{8}$   
 73  
 2  
 120

In to Coy.      Out of Coy.      Balling  
 102 H. lbs.      - 105 -      92 lbs.      \* 13.6?

Least - \* 11 Brew. (4 H. lbs. +  $\frac{1}{2}$  T.)      Air -  $1\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	May 4	60.5	—	B.H.O 5.45 <sup>am</sup> .
7.30	3	" 5	69	8.45?	2 <sup>nd</sup> @ 7 <sup>am</sup> .
6 P.M.	3	" 5	69	6?	
7.30 <sup>am</sup>	4	" 6	69	3.4?	1 <sup>st</sup> skin @ 7 <sup>am</sup>
7.30 <sup>am</sup>	8	May 10	58	1.8?	- Racked.

\* Low Balling can only be accounted for by an out of mashing rate as indicated above, being one barrel less than what it has been consistently in the past -  $37\frac{1}{2}$ . Whether or not there was less malt than usual weighed out, I don't know.



No. 9 run.

Ale.

May 4<sup>th</sup>

Malt - 5000 lb. D. M. Co.

Hops - (30 B.C.) (20 Bav<sup>21</sup> & 20 Oregon<sup>31</sup>) - (20 Kent<sup>32</sup>) = 90 lbs.

6 S - 6 M - 2 P.

Mash -  $\frac{148^\circ}{36\frac{1}{2}}$   
Undrilt -  $\frac{210^\circ}{8}$ ; Steam -  $11\frac{1}{4}$ Set Temp. Heat -  $154^\circ$ Sparge -  $\frac{170^\circ}{7\frac{1}{2}}$ ; Hg -  $\frac{170^\circ}{1}$ 

First run - 21.7%

Last " - 1.25%

Water -  $36\frac{1}{2}$ 

8

71 $\frac{1}{2}$ 

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117

Into Cyp.

101

- 10 -

Out of Cyp.

91

Balling.

13.75%

Yeast - \* 12 Brew. (46 lbs + 1 $\frac{1}{2}$  lb.)" Air -  $1\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7:30 am	2	May 5	61°	13.7%	B. #2 @ 4:30 am.
6 am	2	" 5	63°	12.6%	
7:30 am	3	" 6	69 $\frac{1}{2}$ °	8.8%	
7:30 am	5	" 8	68°	2.55%	
7:30 am	8	May 11	58°	2.1%	- Rashed -

No. 3. Tue.

Alc.

May 8/33

Malt - 5000 lb. S. M. Co.  
 Hops - (30 B.C.<sup>33</sup>); (20 Bav. + 20 Ayr.) ; (20 Kent<sup>32</sup>) = 90 lb.  
 6 S - 6 M - 2 P.

6.59<sup>am</sup> Mash -  $\frac{148}{37\frac{1}{2}}$   
 Unchill -  $\frac{212}{8}$ ; Steam - 11 $\frac{1}{4}$   
 Let Temp. Heat -  
 Sparge -  $\frac{176}{72\frac{1}{2}}$ ; Hop -  $\frac{170}{7}$

First runs - 21.9%  
 Last - 1.3%

Water - 37 $\frac{1}{2}$   
 8  
 72 $\frac{1}{2}$   
 1  
 719

Into Cops. - 101 lbs. - 9 $\frac{1}{2}$  -  
 Out of Cops. - 91 lbs.

Balling, -  
 14.25%

Yeast - \* 141 Brew. (46 lbs. + 1 $\frac{1}{2}$ ?)

Air - 1 $\frac{1}{2}$

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	May 9	60°	13.8%	B.H.C. 4.30 <sup>am</sup> .
4.45 <sup>pm</sup>	"	"	62°	12.8%	
7.30 <sup>am</sup>	3	" 10	69°	8.9%	In Hot @ 6 <sup>am</sup> .
4.45 <sup>pm</sup>	"	"	"	6.4%	
7.30 <sup>am</sup>	4	" 11	69°	3.8%	1 <sup>st</sup> skin @ 9 <sup>am</sup> .
7.30 <sup>am</sup> 4.45 <sup>pm</sup>	5	" 12	"	2.4%	
7.30 <sup>am</sup>	8	May 15	58°	2.3%	- Rashed -



No. 87 run

Ole.

May, 9/33

Malt - 5000 lbs. D. M. Co.

Hops - (30 B.C.<sup>21</sup>); (20 Bav.<sup>31</sup> + 20 Oregon<sup>31</sup>); (20 Kent<sup>32</sup>) = 90 lbs

6M - 6M - 2P.

Mash -  $\frac{145}{36\frac{1}{2}}$ Unsolid<sup>21</sup> -  $\frac{210}{8}$ ; Steam - 11 $\frac{1}{2}$ Soft sps; Heat - 154 $^{\circ}$ Sparge -  $\frac{120}{13\frac{1}{2}}$ ; Hop -  $\frac{120}{1}$ 

First runs - 21.95%

Last " - 1.4%

Water - 36 $\frac{1}{2}$ 73 $\frac{1}{2}$ 

1

119

Into Cops.

101 lbs.

Out of Cops.

91

Ballings

14.25%

Yeast - #14 Brew (46 lbs + 1 $\frac{1}{2}$  F.)

Air - 14

Time	Day	Date	Temp.	Ballings	Remarks
7:30 am	2	May 10	61 $^{\circ}$	13.45%	B. 4 @ 4:30 am
4:45 pm	"	"	63 $^{\circ}$	12.7%	
7:30 am	3	" 11	69 $^{\circ}$	9%	Malt @ 6:30 am
4:45 P.M.	"	"	"	6.6%	
7:30 am	4	" 12	"	4.2%	1 <sup>st</sup> skin @ 12 Noon
4:45 P.M.	4	"	"	3.1%	
7:30 am	5	" 13	68 $\frac{1}{2}$	2.4%	
" "	8	May 16	58 $^{\circ}$	2.15%	- Rashed -

No. 10 Jun.

Sparkling Ale.

May 10<sup>56</sup>

Malt - 45.00 lbs. D. H. Co.  
 Hops - (20 B.C.); (20 Bav. & 15 Oregon<sup>51</sup>); (20 Kent<sup>52</sup>) = 75 lbs.  
 5 S - 6 M.

Mash -  $\frac{14.5}{33}$   
 Underlet -  $\frac{2.0}{8}$ ; Steam -  $10\frac{1}{2}$   
 Let Tap; Heat -  $153^{\circ}$   
 Forge -  $\frac{170}{72}$ ; Hop -  $\frac{176}{7}$

First run - 20.8%  
 Rest - 10%  
 Water - 33  
 72  
 114

In to Cap - 101 lbs. - 10 - Out of Cap - 91 lbs. Billing - 13%

Least - # 15 Brew (45 lbs. + 1 $\frac{1}{2}$  l.) Al - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Billing	Remarks
7:30 <sup>am</sup>	2	May 11	60°	12.4%	B.H @ 4.30 <sup>am</sup>
4:45 <sup>pm</sup>	"	"	61 $\frac{1}{2}$ °	11.55%	
7:30 <sup>am</sup>	3	" 12	68*	8.3%	In lt. @ 9.30 <sup>am</sup>
4:45 <sup>pm</sup>	3	"	69°	5.8%	
7:30 <sup>am</sup>	4	" 13	"	3.1%	
7:30 <sup>am</sup>	8	May 17	58°	1.7%	- Rashed -



No. 4 run.

Ale.

May 11<sup>th</sup>

Malt - 5000 lbs. P. M. Co.  
 Hops - (30 B.C.<sup>32</sup>); (20 Bav.<sup>31</sup> + 20 Oregon<sup>31</sup>); (20 Kent<sup>32</sup>) = 90 lbs.  
 6 S - 6 M - 2 P.

Mash -  $\frac{14\frac{1}{2}}{36\frac{1}{2}}$   
 Unclut -  $\frac{210}{8}$  - Steam -  $11\frac{1}{4}$   
 Set Taps; Heat -  $154^{\circ}$   
 Sparge -  $\frac{120}{72\frac{1}{2}}$ ; Hg -  $\frac{120}{2}$

First run - 21.9?  
 Last " - 1.4?  
 Water -  $36\frac{1}{2}$   
 $\frac{72\frac{1}{2}}{2}$   
119

In to Cops.                      Out of Cops.                      Belling.  
 101 lbs.                      - 11 -                      90 lbs.                      14%

Yeast - \* 16 Bw. (46 lbs + 1 $\frac{1}{2}$  7.)      Air -  $1\frac{1}{4}$ .

Time	Day	Date	Temp.	Belling	Remarks.
7.30 am	2	May 12	60°	13.8?	B. H. @ 4.40 - 2M.
4.45 P.M.	2	"	62°	12.8?	
7.30 am	3	" 13	68 $\frac{1}{2}$ °	9.35?	2 lt. @ 5.30 am.
" "	8	<u>May 18</u>	58°	<u>1.95?</u>	<u>- Racked -</u>

No 9 Run.

Stout.

May 15<sup>th</sup>

Malt - 5000 lbs. D. M. Co. + 250 lbs. B. Barley.  
 Hops - (30 B. C.); (20 Bav. + 20 Oregon); (20 Kent.) = 90 lbs.  
 WS - 6 M - 112½ P. - S. wort - 2; C. wort - 3; G. wort - 4.

6.55<sup>am</sup> Mash -  $\frac{148}{382}$   
 7.47 " " Mash -  $\frac{910}{8}$ ; Steam - #4 12"  
 8.32 " " Set taps; Heat - 154°  
 Sparge -  $\frac{170}{712}$ ; Hy -  $\frac{120}{2}$

First run - 21.95%  
 Last " - 1.15%  
 Water - 38½  
 5  
 71½  
 2  
 120

Into Cyp. 103 Hlls. - 10 - 93 Hlls.

Out of Cyp.

Balling 14.6%

Last - \* 17 Brew (45 Hll. + 1½ T.) Air - 14°

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	May 16	56°	14.7%	B.H @ 5.15 <sup>am</sup>
4.30 <sup>am</sup>	2	" 16	62°	13.4%	
7.30 <sup>am</sup>	3	" 17	68°	10.15%	2 Ht @ 9 <sup>am</sup>
4.30 <sup>P.M.</sup>	3	" 17	69°	7.9%	
7.30 <sup>am</sup>	4	" 18	69°	5.3%	1 <sup>st</sup> skin @ 4.45 <sup>P.M.</sup>
4.30 <sup>P.M.</sup>	4	" 18	69°	4.45%	
7.30 <sup>am</sup>	5	" 19	69°	3.45%	
7.30 <sup>am</sup>	8	May 22	58½°	2.9%	- Racked -



No. 3 Jun.

Alc.

May 16/33

Malt - 5000 lb. O. M. Co. + 75 lb. Samples.  
 Hops - (30 B. C<sup>33</sup>); (20 Bav. + 20 Oregon); (20 Kent<sup>33</sup>) = 90 lb.  
 S - 6 M - 1 1/2 P.

6.58<sup>am</sup> Mash -  $\frac{145}{36}$   
 Mchlt -  $\frac{210}{8}$ ; steam - 10 1/2  
 Set Tops; heat - 154°  
 Sparg -  $\frac{121}{72}$ ; Hg -  $\frac{120}{2}$

First run - 21.6?  
 Last " - 1.4?  
 Water - 36  
 72  
 2  
 118

Into C<sup>y</sup>. 101 lbs. - 10 1/2 - Out of C<sup>y</sup>. 90 1/2

Balling 13.9?

Spent - #17 Brew. (46 lb. + 1 1/2 f.)

Air - 14

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	May 17	60°	13.6?	B. H. @ 4.30 <sup>am</sup>
4.30 <sup>pm</sup>	2	" 17	61 1/2°	12.8?	
7.30 <sup>am</sup>	3	" 18	67°	9.6?	Inlt. @ 11 <sup>am</sup> (C <sup>33</sup> )
4.30 P.M.	3	" 18	69°	7.1?	
7.30 <sup>am</sup>	4	" 19	69°	4.1?	1 <sup>st</sup> skim @ 11.45 <sup>am</sup>
4.30 P.M.	4	" 19	69°	3.25?	
7.30 <sup>am</sup>	5	" 20	69°	2.5?	
7.30 <sup>am</sup>	8	<u>May 23</u>	58°	<u>2.15?</u>	<u>- Racked -</u>

No. 8 Jun

Ale

May 17, <sup>14.3</sup>

Malt - 5000 Ds. D. M. Co.

Hops - (30 B.C.); (20 Bav. + 20 Oregon.); (20 Kent.) = 90 lbs.

6 S - 6 M - 1 1/2 P. - 1 1/2 K.H.S. added on July 14.

6.58 am Mash -  $\frac{141}{36}$ 7.31 .. Muddled -  $\frac{0.10}{8}$ ; Steam - 10 1/38.30 .. Set Taps; Heat -  $154 \frac{1}{2}$ <sup>170</sup>  
Sparge -  $\frac{126}{72}$ ; Hop -  $\frac{1}{1}$ 

First run - 22% ?

Cost - 1.22% ?

Water - 36

7 1/2

1

117

Into Cyp.

101 lbs. - 10 1/2 -

Out of Cyp.

90 1/2 lbs.

Balling

14 1/2

Yeast - #17 Brew (46 lbs. + 1 1/2 lb.)

Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	2	May 18	60 1/2°	13.75%	12.4 @ 4.45 am
4.30 P.M.	2	" 18	62 1/2°	12.7%	
7.30 am	3	" 19	69°	9%	2.4 @ 5.45 am
4.30 P.M.	3	" 19	67°	6.55%	
7.30 am	4	" 20	67°	4.2%	1 <sup>st</sup> skin @ -
7.30 P.M.	7	May 23	57 1/2°	2.2%	- Racked -



No. 10 Run.

Ale.

May 18<sup>th</sup>

Malt - 5000 lb. P. & C. M. G. (4 of P. & 1 of C.)  
 \* Hops - (30 B. C.); (20 Kent<sup>(186)</sup> & 20 Oregon); (20 Kent<sup>(186)</sup>) = 90 lb.  
 N.S. - 6 M - 1 1/2 P. - 1 1/2 K. M. S. added on July 14.

6.59<sup>am</sup> Mash -  $\frac{148}{36}$   
 7.46 Undribb -  $\frac{310}{7}$ ; Stem -  $10\frac{1}{2}$   
 8.30 Set Taps; Heat -  $154^{\circ}$   
 Sponge -  $\frac{120}{72}$ ; Hops -  $\frac{120}{1}$

First runs - 21.65?  
 Last " - 1.0?  
 Water - 36  
 8  
 72  
 1  
 117

Into Cys.

101 lbs.

- 10 1/2 -

Out of Cys.

90 1/2 lbs.

Balling

13.8?

Yeast - \* 19 Brew (46 lb. + 107.)

Air - 1 1/2

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	May 19	61°	13.3?	B. 4 @ 7.30 <sup>am</sup> .
4.30 P.M.	2	"	63 1/2	12.1?	
7.30 <sup>am</sup>	3	" 20	68'	8.3?	2 M. @
10 <sup>am</sup>	4	" 21	69°	3.---	1 <sup>st</sup> skin @ 9 <sup>am</sup>
7.30 <sup>am</sup>	8	<u>May 25</u>	57 1/2°	<u>2.2?</u>	- Reached -

No. 4 Run.

Be.

May 22<sup>nd</sup>

Malt - 5000 lb. C. M. Co

Hops - (30 B. C. S.); (20 Kent<sup>1930</sup> & 20 Oregon<sup>1931</sup>); (20 Kent<sup>1932</sup>) = 90 lbs.

65 - 6 M - 12 P - 12 K. M. S. added July 14.

7 am Mash -  $\frac{145}{38}$ 7.50 " The dubt -  $\frac{810}{8}$ ; Steam - 10½

8.34 " 1st Pops; Heat - 15½

Spurge -  $\frac{68}{8}$ ; Hops -  $\frac{170}{3}$ 

First runs - 20.978

Cool - 1.877

Water - 38

$$\begin{array}{r} 8 \\ 6 \\ 5 \\ 3 \\ \hline 127 \end{array}$$

Int. Cyp.

96 lbs - 10 -

Out of Cyp.

86

Balling.

14%

Yeast - \* 22 Brew (46 lb. &amp; 1½ F.)

Air - 14

Time	Day	Date	Temp.	Balling.	Remarks
7.30 am	2	May 23	60½	13.6%	B. H. @ 4.45 am
7.30 am	4	" 25	69°	3.6%	1 <sup>st</sup> skin @ 4.30 am
7.30 am	5	" 26	68½	2.4%	
7.30 am	8	May 29	58°	2.1%	- Reached -



No. 9 Jun. Stout. May 23<sup>rd</sup>

Malt - 5000 lbs. C. M. Co. + 250 lbs. B. Paley.  
 Hops - (30 B. <sup>1931</sup>), (20 Kents <sup>1930</sup> + 20 <sup>1931</sup>); (20 Kents <sup>1931</sup>) = 90 lbs.  
 6 B. - 6 M - ~~5 P.~~ 11 1/2 P.; L. root - 2; C. root - 3; G. root - 4.  
 2 K. M.S.

6.57 am	Wash - $\frac{145}{39}$	
7.45	Muddled - $\frac{20}{8}$ ; Steam - 10 3/4	First runs - 21.25%
8.33	Set Top; Heat - 154	Last " - 1.4%
	Sparge - $\frac{170}{70}$ ; Kp - $\frac{170}{2}$	Water - 39
		8
		70
		2
		119

Into Cop.	Out of Cop.	Balling.
100 lbs. - 9 1/2 -	90 1/2	14.6%
Yeast - * 22 Brew (46 lbs. + 1 1/2 F.)		Air - 1 1/4'

Time	Day	Date	Temp.	Balling	Remarks
7.30 am	2	May 24			BH. @ 4.45 am.
7.30	3	25	69'	9.45?	L.H. @ 4.30 am.
4.45 P.M.	3	25	69°	7.35?	
7.30 am	4	26	61'	5.1?	1 <sup>st</sup> skin @
<del>7.30 am</del>	<del>4</del>	<del>26</del>			
<del>7.30 am</del>	<del>5</del>	<del>May 27</del>			
7.30 am	8	May 30	58°	3% -	Racked -

No. 3 run.

Ala.

25th/3

May 26

Malt - 5000 lbs C. M. Co.

Hops - (30 B. C. <sup>34</sup>); (20 Kent <sup>30</sup> + 20 Oregon <sup>2</sup>); (20 Kent <sup>33</sup>) = 90 lbs.

6 S - 6 M - 1 1/2 B. - 1 1/2 K. H. S. (July 14)

7 am

Mask -  $\frac{148}{37}$   
 Underlet -  $\frac{210}{8}$ ; Steam - 9 1/4  
 Wet Taps; Heat - 156  
 Gauge -  $\frac{72}{69 1/2}$ ; Hg -  $\frac{120}{2}$

First run - 21.0%

Fuel - 1.4%

Water - 37 1/2

8 1/2

2

116

In to Cg.

97 lbs.

Out of Cg.

- 10 1/4 -

86 1/4

Billing

141.2%

Yeast - \* 23 Brew (43 lbs. + 1 1/2 %)

Air - 1 1/4

Time	Day	Date	Temp.	Billing	Remarks.
7.30 am	2	May 26	60 1/2°	13.8%	B.A. @ 5.30 am.
4.30 pm	2	" 26	62°	12.9%	
7.30 am	3	" 27	69°	9.1%	
4.30 am	3	" 27	64°	6.8%	
10 am	4	" 28	69°	3.6%	at skin @ 8 am.
1.30 pm	5	" 29	68°	2.55%	
7.30 am	8	May June 1	58°	2.25%	- Racked -



No. 8 Jun.

Alc.

May 26<sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Drops - (30 B.C.<sup>32</sup>); (20 Kents<sup>30</sup> + 20 Queens<sup>31</sup>); (20 Kents<sup>32</sup>) = 90 lbs.

No S - 6 M - 1 1/2 P - 1 1/2 K. M. S. (July 14)

6.58<sup>am</sup> Mash -  $\frac{146}{38}$ 7.48<sup>am</sup> No. 101 - 8; Steam - 8 1/28.30<sup>am</sup> Set Taps; Heat - 154<sup>o</sup>Sparg -  $\frac{140}{68}$ ; Hog -  $\frac{170}{2}$ 

First run - 21.87

Last .. - 1.67

Water - 38

68

2

116

Into C.

98 lbs.

- 10 1/2 -

Out of Cap.

87 1/2

Balling.

14.27

Lost - \* 23 Brew (46 lbs. + 1 1/2 T.)

Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks
7.30 AM.	2	May 27	60°	13.77	B. 4. @
6 P.M.	3	" 28	69°	6.57	
7.30 <sup>am</sup>	4	" 29	69°	3.957	1 taken @ 10.15 <sup>am</sup>
7.30 <sup>am</sup>	8	June 2	58°	2.27	- Rashed -

No. 10 Jun.

Al.

May 29.<sup>5</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B. C.<sup>22</sup>); (20 Kent<sup>22</sup> + 20 Oregon<sup>22</sup>); (20 Kent<sup>22</sup>) = 90 lbs.

6 S - 6 M - 1 1/2 P. - 1 1/2 H. N.S. (July 14)

7<sup>am</sup> Mash -  $\frac{14}{38}$   
 7.45.. Unhult -  $\frac{2/10}{8}$ ; Steam -  $8\frac{3}{4}$   
 8.30.. Set Taps; Heat  $163^{\circ}$   
 Sparge -  $\frac{171}{69}$ ; H<sub>2</sub>O -  $\frac{170}{2}$

First run - 20.9?

Last - 1.5?

Waste - 38

69

117

Inlet C<sub>2</sub>

99 lbs.

Outlet C<sub>2</sub>

- 10 1/2 - 88 1/2

Balling

14.1?

Yeast - \* 25 Brui (46 lbs + 1 1/2 T.) Air - 14

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	May 30	61°	13.35?	B.H @ 4.30 <sup>am</sup>
4.30 <sup>PM</sup>	..	..	63°	12.3?	
7.30 <sup>am</sup>	3	.. 31	69°	8.15?	Inlet @ 4.45 <sup>am</sup>
4.30 <sup>PM</sup>	3	..	..	5.85?	
7.30 <sup>am</sup>	4	June 1	69°	3.4?	1 <sup>st</sup> skim @ 6 <sup>am</sup>
4.30 <sup>PM</sup>	..	..	..	2.75?	
7.30 <sup>am</sup>	8	June 5	58°	1.95?	- Rashed -



No. 47 un.

Ale.

May 30.<sup>13</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B.C.<sup>30</sup>); (20 Kent<sup>30</sup> + 20 Oregon<sup>31</sup>); (20 Kent<sup>32</sup>) = 90 lbs.

6 S; 6 M; 1 1/2 P. - 1 1/2 K. M. S. - (July 14)

6.59<sup>am</sup> Mash -  $\frac{14 \frac{1}{2}}{37 \frac{1}{2}}$   
 7.48 Viduit -  $\frac{2.0}{8}$ ; Steam - 8 1/4  
 8.30 Set Taps, Heat - 154°  
 Sponge -  $\frac{12}{69 \frac{1}{2}}$ ; Hops -  $\frac{1.20}{2}$

First run - 21.25?  
 Last - 1.45?  
 Water - 37 1/2  
 8  
 69 1/2  
 2  
 117

Into Cys.

99 lbs.

- 10 -

Out of Cys.

89 lbs.

Balling

13.95?

Yeast - \* 9 lbs (46 lbs + 1 1/2 lbs)

Air - 1 1/4

Time	Day	Outs	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	May 31	61°	13.41?	B.H. @ 4.15 <sup>am</sup>
4.30 <sup>am</sup>	2	"	63 1/2	12.5?	
7.30 <sup>am</sup>	3	June 1	69°	8.15?	In Mt @ 2.30 <sup>am</sup>
4.30 <sup>PM</sup>	3	"	"	6?	
7.30 <sup>am</sup>	4	" 2	"	3.6?	1 <sup>st</sup> skin @ 8 <sup>am</sup>
7.30	8	June 6	58°	1.95?	- Racked -

No. 7 Run.

Alc.

May 31<sup>st</sup>

Malt - 5000 lb. C. M. Co.  
 Hops - (30 B.C.<sup>(31)</sup>); (20 Kent<sup>(30)</sup> + 20 Otago<sup>(31)</sup>); (20 Kents<sup>(32)</sup>) = 90 lb.  
 6 B; 6 M; 1 1/2 R - 1 1/2 K.M.S. (July 14).

7 <sup>am</sup>	Mash - $\frac{141}{37\frac{1}{2}}$	First runs - 20.95%
7.48	Underlet - $\frac{210}{8}$ ; Steam - 8 3/4	Lost .. - 1.4%
8.31	Set Taps; Heat 154°	Water - 37 1/2
	Sparge - $\frac{120}{69\frac{1}{2}}$ ; Hop $\frac{170}{2}$	8
		69 1/2
		2
		<u>117</u>

Into Cop.	Out of Cop.	Balling
99 lbs.	- 10 3/4 - 88 1/4	14%

Yeast - # 27 Brew (46 lbs. + 1 1/2 lb.)      Air - 1 1/4

Time	Day	Date	Temp	Balling	Remarks
7.30 <sup>am</sup>	2	June 1 <sup>st</sup>	61°	13.4%	B.H. @ 4.30 <sup>am</sup>
4.30 P.M.	2	..	64°	12.3%	
7.30 <sup>am</sup>	3	.. 2	69°	8%	Dist. @ 2.10 <sup>am</sup>
7.30 <sup>am</sup>	8	June 7	58°	2 1/2%	<u>Reached</u>



No. 9 Jun.

Al.

Quasi<sup>st</sup>

Malt - 5000 lbs. C. M. Co.  
 Hops - (30 B.C.<sup>32</sup>), (20 Kent<sup>30</sup> + 20 Oregon<sup>31</sup>), (20 Kent<sup>32</sup>) = 90 lbs.  
 6 S - 6 M - 1 $\frac{1}{2}$  P. - 1 $\frac{1}{2}$  K. M. S. (July 14).

7<sup>am</sup> Mash -  $\frac{143}{38}$ 7.48 .. Under -  $\frac{916}{8}$ ; Steam - 8 $\frac{3}{4}$ 

8.32 .. Set Taps, Heat - 153°

Sparg -  $\frac{121}{69}$ ; Hop -  $\frac{121}{2}$ 

First run - 317

Last .. - 1..

Water - 38

8

69

2

117

In Co.

98 $\frac{1}{2}$  lbs.

Out of Co.

- 12 - 87 $\frac{1}{2}$  lbs.

Balling.

147

Least - # 28 Brew (46 lbs + 1 $\frac{1}{2}$  7.)

Air - 17

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	June 2	61 $\frac{1}{2}$ °	13.47	B. H. @ 3.45 <sup>am</sup>
"	5	" 5	67°	2.27	
"	8	June 8	58°	<u>2</u> <sup>7</sup> / <sub>0</sub>	- Rashed -

No 37 run.

Ole.

June 5<sup>th</sup>

Malt - 5000 lb. C. M. Co.

Hops - (30 B. P.), (20 Kent<sup>20</sup> + 20 Oregon<sup>31</sup>); (20 Kent<sup>22</sup>) = 90 lbs.

6 S - 6 M - 1 1/2 P. - 1 1/2 K. U.S. (July 14).

6.57 <sup>am</sup>	Mash - $\frac{148}{38}$	First runs - 21.1%
7.46	Yr. dilut - $\frac{210}{8}$ ; Steam - 8 1/2	Lost - 1.4%
8.32	Let Taps Heat - 15 1/2	Water - 38
	Sparge - $\frac{170}{69}$ ; H <sub>2</sub> O - $\frac{170}{2}$	8
		69
		2
		117

Into Cyp.

98 1/2 bbls.

Out of Cyp.

- 10 1/2 -

88 bbls.

Balling.

14.1%

Yeast - 29 Brew (46 lbs. + 1 1/2 F.)

Air - 1 1/4

Time	Day	Date	Temp	Balling	Remarks
7.30 <sup>am</sup>	2	June 6	61°	13.6%	B. H. @
4.20 PM	"	"	63°	12.65%	
7.30 <sup>am</sup>	3	" 7	67°	8.35%	2 lt. @ 3.40 <sup>am</sup>
4.30 P.M.	"	"	"	6.1%	
7.30 <sup>am</sup>	4	" 8	"	3.5%	Makin @ 7.50 <sup>am</sup>
"	8	June 8	58°	2.7%	- Rashed -



16.87 min

Sparkling Ale

June 5<sup>th</sup>

Malt - 45.00 lbs. C.M. Co.  
 Hops - (20 B.C.); (20 Kent<sup>70</sup> + 15 Oregon<sup>31</sup>); (20 Kent<sup>31</sup>) = 75 lbs.  
 5S - 6 M. - 1 1/2 K. U.S. (July 14)

Mash:  $\frac{148}{52\frac{1}{2}}$   
 Underhlt -  $\frac{210}{8}$ ; Steam - 72  
 Set Taps; Heat - 154  
 Gauge - 65 1/2; Hvy -  $\frac{120}{7}$

First run - 20.67  
 Last - 1.37  
 Water - 98 1/2  
 68 1/2  
 1  
 111

Int. Cap. 98 lbs. - 11 - Out. Cap. 87 lbs.

Balling 12.97

Yeast - x 29 Brew (46 lbs. + 1 1/2 7.)

Air - 14

Time	Day	Date	Temp.	Balling	Remarks
7.30	2	June 7	60°	12.457	B.H. @ 5
4.30 P.M.	"	"	62°	11.67	
7.30	3	" 8	69°	8.057	In ht. @ 7.15 <sup>am</sup>
7.30	8	July 13	57°	1.67	Racked

No. 107m.

Al.

June 7.<sup>th</sup>

Malt - 5000 lbs. C. M. Co.  
 Hops - (30 B. P.<sup>32</sup>); (20 Kent<sup>30</sup> + 20 Oregon); (20 Kent<sup>22</sup>) = 90 lbs.  
 65 - 6 M - 1 $\frac{1}{2}$  P. + 1 $\frac{1}{2}$  K. M. S. (July 14).

7 <sup>am</sup>	Mash - $\frac{145}{38}$	First runs - 20.85%
7.45.	Unbuilt - $\frac{210}{8}$ ; Steam - 8 $\frac{1}{2}$	Last - 15%
8.30.	Set Taps; Heat -	Water - 38
	Sparge - $\frac{170}{69}$ ; Hop - 2	8
		69
		2
		<u>117</u>

Into Cys.	Out of Cys.	Balling.
98 $\frac{1}{2}$ hll.	- 10 $\frac{1}{2}$ -	88 hll.
		14%

Least - #30 Brews (46 lbs. + 1 $\frac{1}{2}$  7.) Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	June 8	60°	13.5%	B. H. @ 5.15 <sup>am</sup>
7.30 <sup>am</sup>	8	June 14	58°	1.9%	Packed



No. 4 Run.

Ale.

June 8<sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B. C.<sup>30</sup>); (20 Kent<sup>30</sup> + 20 Oregon); (20 Kent<sup>31</sup>) = 90 lbs.

W.S. - G.M. - 1 1/2 P. - 1 1/2 K.M.S.

7<sup>am</sup> Mash -  $\frac{145}{37\frac{1}{2}}$   
 7.49. Unboiled -  $\frac{210}{8}$  Steam - 8 1/2  
 8.32. Let open; Heat - 154°  
 Sparge -  $\frac{175}{2}$ ; Hot -  $\frac{170}{2}$

First run - 20.9%  
 Last - 1.4%  
 Total - 37 1/2  
 69 1/2  
 2  
 117

Into Coy. 98 1/2 lbs. - 11 - Out of Coy. 87 1/2

Balling. 74.1%

Least - # 31 or 32 Brews (46 lbs. + 1 1/2 T.) Als - 1 1/4

Time	Day	Date	Temp	Balling	Remarks
7.30 A.M.	8	June 15	58°	1.8%	Racked

No. 7 run.

Al.

June 9.<sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 P. l.<sup>32</sup>); (20 Kents<sup>30</sup> + 20 Oregon<sup>31</sup>); (20 Kents<sup>32</sup>) = 90 lbs.

W.S. - 6 M - 1 1/2 P. - 1 1/2 K. M. S. (July 14).

7 am Mash -  $\frac{148}{37\frac{1}{2}}$ 7.49 " Hydelt -  $\frac{210}{8}$  Steam - 8 1/2

8.32 " Set Taps; Heat - 154 1/2

Spurge -  $\frac{120}{69\frac{1}{2}}$ ; Hy -  $\frac{170}{2}$ 

First run - 21%

Last - 1.45%

Water - 37 1/2

8

69 1/2

2

117

Into Cys.

Out 1/2 Cys.

98 1/2 hls. - 10 1/2 - 8 1/2

Balling

14.1%

Yeast - \*33 Brew (46 lbs + 1 1/2 f.)

Air - 1 1/4

Time	Day	Date	Temp	Balling	Remarks
7.30 A.M.	5	June 13	69°	2.53%	
7.30 "	7	" 15	61.5°	2.1%	
7.30 "	8	<u>June 16</u>	59°	<u>2.0%</u>	<u>Racked</u>



No. 97 Jun.

Stout.

June 12.<sup>5</sup>

Malt - 5000 lbs. C. M. C. &amp; 2500 lbs. B. Barley.

\* Hops - (30 B. C.<sup>2</sup>); (20 Kent<sup>30</sup> & 20 Oregon<sup>31</sup>); (20 Kent<sup>32</sup>) = 90 lbs.G.S. - 6 M - 1 1/2 P. (20 B. C.<sup>1</sup> + 20 B. C. <sup>holding</sup>) S. root - 2; C. root - 3

G. root - 4; 1 1/2 K. M. S.

7<sup>am</sup> Mash -  $\frac{101}{39}$ You addit -  $\frac{210}{8}$ ; Steam - 9 1/2

Let Hops heat - 15 1/2

Sparge -  $\frac{120}{70}$ ; Hops -  $\frac{170}{2}$ 

First run - 21.15

Last - 1.6 1/2

Water - 39

8

70

2

119

Into Cop.

100 lbs. - 10 -

Out of Cop.

90 lbs.

Balling

14.6 1/2

Yeast - #33 Brew (46 lbs + 1 1/2 7)

Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks.
7.30 A.M.	2	June 13	60 1/2	13.85%	B. H. at 5.00 A.M.
4.30 P.M.	2	" 13		13.1%	
7.30 A.M.	3	" 14	69 1/2	9.0%	
7.50 A.M.	4	" 15	69°	5.0%	
4.30 "	4	" 15	69°	4.15%	
7.30 "	5	" 16	69°	3.4%	
7.30 "	8	June 19	58°	3.0% -	Racked

Turn No 3

Ale

June 13, 1938

Malt - 5000 lbs. C. M. Co.

Hops - 30 B.C. - 20 B.C. &amp; 20 Golding - 20 Kent

6 L - 6 - M - 1 1/2 P. - 1 1/2 K. M. S. (July 14).

7.00 A.M.	Mash	$\frac{148}{37\frac{1}{2}}$	First Runs - 20.6%
7.45 " "	Underlet	$\frac{210}{8}$ ; Steam 7 1/2'	Last " - 1.6%
8.27 " "	Set Taps - Heat 153°		Water - 37 1/2
	Sparge	$\frac{120}{67\frac{1}{2}}$ ; N.S. $\frac{170}{2}$	8
			69 1/2
			2
			117

Into Copper  
98 1/2Out of Copper  
88Balling  
13.95%

Yeast - 46 lbs. Brew 33 &amp; 1 1/2 fl.

Time	Day	Date	Temp.	Balling	Remarks
4.30 P.M.	2	June 14, '38	60 1/2°	13.6%	B. N. at 5.15 AM
7.30 A.M.	3	" 15	<del>60 1/2</del> °	8.7%	
4.30 P.M.	3	" 15		6.4%	
4.30 <sup>2</sup> M.	4	" 16	69°	3%	1 <sup>st</sup> skin @ 7.40
8 " "	5	" 17	67°	2.45%	
7.30 " "	8	<u>June 20</u>	58°	2.1%	- Rashed -



Time No 8

Ale

June 14, 1933

Malt - 5000 lbs. C. M. Co.

Hops - 30 B.C. - 20 B.C. &amp; 20 Goldings - 20 Kent

6 S - 6 M - 1½ P - 1½ K.M.S. (July 14).

7.05	Mash $\frac{148}{37\frac{1}{2}}$	First Run	20.4%
7.50	Underlet $\frac{210}{8}$ Steam 7½'	Last "	1.4%
8.32	Set Taps - Heat 153°	Water -	37½
	Sparge $\frac{120}{69\frac{1}{2}}$ ; N.S.		8
			69½
			1
	Into Copper	Out of Copper	Balling
	98½	88	13.9

Yeast - 46 lbs. off Brew 34

Time	Day	Date	Temp	Balling	Remarks
7.30 A.M.	2	June 15	60½°	13.4%	B.N. 5.45 A.M.
4.30 P.M.	2	" 15		12.7%	
7.30 A.M.	3	" 16		8.9%	In Heat 5.45
4.30 P.M.	3	" 16	69°	6.6%	
8 am	4	" 17	68°	3.9%	1st skin @ 10 am
7.30 am	5	June 21	57°	2.7%	- Racked -

Tun No 10

Ale

June 15, 1933

Malt - 5000 lbs. C. M. Co.

Hops - 30 B.C. - 20 B.C. + 20 Golding - 20 Kent.

6 d = 6 M - 1 1/2 P - 1 1/2 K. H. S. (July 14).

6.55 AM	Mash	$\frac{148}{57\frac{1}{2}}$	First Run - 20.4%
7.40 "	Underlet	$\frac{210}{8}$ Steam 8'	2nd " - 1.7%
8.25	Set Taps - Heat	15-4°	Water 37 1/2
	Sparge	$\frac{120}{68\frac{1}{2}}$ ; H.S. $\frac{120}{1}$	8
			68 1/2
			1
			115

Into Copper  
98Out of Copper  
88Balling  
13.95

Yeast - 46 lbs from Brew No. 38

Time	Day	Date	Temp.	Balling	Remarks
7.30 AM	2	June 16	60 1/2°	13.5%	B.H. 6.00 AM
4.30 P.M.	2	" 16	62 1/2°	12.6%	Drift @
7.30	3	" 17	69°	8.25%	<del>Drift @</del>
"	5	" 19	67°	2.3%	
"	8	June 22	58°	2.05%	- Reashed -



No. 4 run.

Ale.

June 16<sup>th</sup>

Malt - 5000 lbs. C. M. Co.  
 Dops - 30 B.C.<sup>100</sup>; (20 B.C.<sup>32</sup> + 20 B.C. Yell.<sup>12</sup>); (20 K<sup>30</sup>) = 90 lbs.  
 16 S. - 6 M - 1 1/2 P. - No K.M.S. added.

Mash -  $\frac{145}{37\frac{1}{2}}$   
 Underlet -  $\frac{21}{8}$  Steam - 8  
 Set Taps; Heat = 154°  
 Pong -  $\frac{120}{68\frac{1}{2}}$ ; Hy -  $\frac{120}{2}$

First runs - 20.8  
 Last - 1.72  
 Water - 37 1/2  
 8  
 68 1/2  
 2  
 116

Into Cys.  
 98 lbs. - 11 -

Out of Cys.  
 87 lbs.

Balling.  
 14%

Yeast - #37 Brew (46 lbs. + 1 1/2?)

Air - 0  
 No oxygen due to oil being in line

Time	Day	Date	Temp.	Balling	Remarks
7.30 am	2	June 17	61°	13.45?	B. 4 @ 57.50 am
"	4	" 19	61°	4.17?	1 <sup>st</sup> skin @ 11.50 am
"	5	" 20	62°	2.57?	
No. K.M.S.	8	June 23	58°	2.15?	- Reached $\frac{1}{34}$ Vat

31 July. Vat 34 tested at 2%

No. 77

Ale.

June 19<sup>th</sup>

Malt - 5000 lbs. C. M. Co.  
 Hops - (30 B. C.); (20 B. C. + 20 B. C. Ghd.); (20 Kent) = 90 lbs.  
 G.S. - 6 M - 1 1/2 P. - No K. M. S. added.

6.57 <sup>am</sup>	Mash - $\frac{41}{37\frac{1}{2}}$	First run - 20.9%
7.47	Wydubt - $\frac{24}{8}$ ; Steam - 8'	Last " - 1.7%
8.28	Let Taps; Heat - 153 $\frac{1}{2}$	Water - 37 $\frac{1}{2}$
	Sparge - $\frac{12}{67\frac{1}{2}}$ ; Hg - $\frac{120}{7}$	8
		67 $\frac{1}{2}$
		<u>114</u>

Into Cp.	Out of Cp.	Balling
97 $\frac{1}{2}$ lbs.	- 10 $\frac{1}{2}$ -	87
		14.3%

Yeast - # 39 Brew (46 lbs. + 1 1/2 lb.)      Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	June 20	60°	13.6%	B.H. @ 5.30 <sup>am</sup>
4.30 P.M.	2	"	62°	12.8%	
7.30 <sup>am</sup>	3	" 21	69°	8.85%	In lt. @ 6 <sup>am</sup>
4.30 P.M.	3	"	69°	6.5%	
7.30 <sup>am</sup>	4	" 22	69°	3.65%	1 <sup>st</sup> John @ 8.10 <sup>am</sup>
No K.M.S.	8	<u>June 26</u>	57 $\frac{1}{2}$	<u>2.15%</u>	<u>Reached</u> vat 34



No 24                      67                      14%                      1.9  
 25                      110                      14%                      1.9

14.0  
 1.9  
 -----  
 12.1  
 .42  
 -----  
 24.2  
 484.  
 -----  
 5,082

5.08% by w.

2(5.08)  
 -----  
 2,54

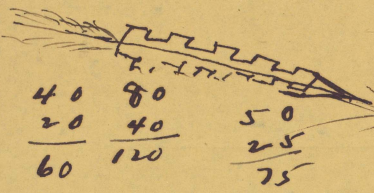
50% = 2.54

32  
 50  
 -----  
 1600

2.54 =  $\frac{50}{2.54} \times 3.2$  (63)

1600  
 1524  
 -----  
 760  
 62

63 ale  
 37 w  
 -----  
 100



40 80  
 20 40  
 -----  
 60 120

50  
 25  
 -----  
 75

60	3	40	-	60	-	40	80
30		23	-	30	-	20	40
90	2	60				60	120
	1	30					

olands 4.91% 5.10%  
 Kutta 5.08

June 23/33

Brew # 42 60 Pkts.

June 26/33

Brew # 43 60 Pkts.

Oct. # 34

60 - 15

40 - 22  $\frac{6}{10}$

~~38~~ - 22



$$\begin{array}{r}
 14.2 \\
 13.9 \\
 \hline
 2 \sqrt{28.1} \\
 14.05 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 2.4 \\
 2.25 \\
 \hline
 2(4.65) \\
 2.30 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 14.05 \\
 2.3 \\
 \hline
 11.7 \\
 .42 \\
 \hline
 234 \\
 468 \\
 \hline
 4.914
 \end{array}$$

$$\begin{array}{r}
 14 \\
 14.3 \\
 \hline
 2 \sqrt{28.3} \\
 14.15 \\
 \hline
 \end{array}$$

2.1

2.1%

$$\begin{array}{r}
 14.15 \\
 2 \\
 \hline
 12.15 \\
 .42 \\
 \hline
 \end{array}$$

last 4.9% also  
 this 5.1% also.

$$\begin{array}{r}
 2430 \\
 4860 \\
 \hline
 51030
 \end{array}$$

Shipment for Raffetto for 8 Aug.

1000 doz pines	- 900 gals.
150 - quarts.	255 gals.
	<hr/>
	1155 gals.

31 July 1933

40	bbls	ale	Vat 34	Brews	42 + 43
23	"	water.			
<hr/>					
63	bbls	and	well	mix.	

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No. 9 Jun.

Ab.

June 20<sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Ways - 30 B.C.<sup>32</sup>; (20 B.C.<sup>32</sup> + 20 B.C. Felling<sup>32</sup>); (20 K<sup>32</sup>) = 90 lbs.

6 S - 6 M - 1 1/2 P - 1 1/2 K. M. S. (July 14)

7 <sup>am</sup>	Mash - $\frac{148}{37\frac{1}{2}}$	First runs - 30.8%
7.49	Undrill - $\frac{210}{8}$ ; Steam - 8 1/2	Last - 1.65%
8.30	Set Taps; Heat - 154°	Water - 37 1/2
	Sparge - $\frac{120}{67\frac{1}{2}}$ ; Hot - $\frac{120}{2}$	8
		67 1/2
		2
		<u>115</u>

Intr Cop.	Out of Cop.	Balling.
98 lbs	- 10 1/2 -	87 1/2
		14%

Yeast - #39 Brew (6 lbs + 1 1/2 t)	Air - 1 1/4
------------------------------------	-------------

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	2.	June 21	59 1/2°	13.45%	B.H. @ 6 am; Slack in temp.
4.30 P.M.	-	" "	61°	12.85%	
7.31 am	3.	" 22	61 1/2°	9.35%	In lt. @ 8.45 am
4.30 P.M.	3	" "	69°	7.1%	
7.30 A.M.	4	" 23	69°	4.1%	- 1 <sup>st</sup> skim @ 11.50 am
4.30 P.M.	4	" "	69°	3.2%	
7.30 A.M.	5	" 24	69°	2.45%	
" "	6	June 27	58°	2.0%	- Racked -

No. 3 run.

Alc.

June 21<sup>st</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B. C.); (20 B. C. + 20 B. C. Folking); (20 Kent<sup>2L</sup>) = 90 lbs.

6 S - 6 M - 1 1/2 P; - 1 1/2 K. M. S. (July 14)

7 <sup>am</sup>	Wash - $\frac{41}{37}$	First run - 20.97
7.49.	Unchillt - $\frac{210}{8}$ ; Steam - 8 1/4	Last - 17.7
8.30.	Set Taps; Heat - 15 1/2	Water - 37
	George - 68 <sup>20</sup> ; Hops - 12 <sup>12</sup>	68
		2
		115

Into Cop	Out of Cop	Balling
98 lbs.	- 11 -	87 lbs.
		1415

Least - 1140 Brew (46 lb. + 1 1/2 P.)	Air - 1 1/4
---------------------------------------	-------------

Time	Day	Date	Temp	Balling	Remarks
7.30 <sup>am</sup>	2	June 22	60°	13.77	B. H. @ 5:10 <sup>am</sup>
4.30 P.M.	"	"	62°	12.77	
7.30 <sup>am</sup>	3	" 23	69°	8.87	2 lb. @ 6 <sup>am</sup>
4.30 P.M.	3	" "	"	6.357	
7.30 <sup>am</sup>	4	" 24	"	3.457	1 <sup>st</sup> skin @ 7 <sup>am</sup>
"	8	June 28	57 1/2°	1.957	- Rashed -



No. 87 run

Ale.

June 22/33

Malt - 5000 lbs. C. M. Co.

Hops - (30 B. C. <sup>32</sup>); (20 B. C. <sup>32</sup> + 20 B. C. Golding); (20 Kent <sup>22</sup>) = 90 lbs.

6S - 6 M - 1 1/2 P. - 1 1/2 K. M. S. (July 14)

7<sup>am</sup> Wash.  $\frac{147}{37}$   
 7.51. Malt -  $\frac{212}{8}$ ; Steam -  $8\frac{1}{2}$   
 8.52. 1. Set Taps; Heat -  $154^{\circ}$   
 Sparge -  $\frac{170}{68}$ ; Hops -  $\frac{170}{2}$

Yeast run - 20.9%  
 Lost - 1.65%  
 Water - 37  
 8  
 68  
 2  
 115

Inlet Cop. 98 Shells. -  $10\frac{3}{4}$  -  $8\frac{7}{4}$

Out of Cop.

Balling. 14.?

Yeast - \* 41 Brew (46 lbs. + 157.)

Air - 14

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	June 23	60°	13.45%	B. H. 5.45 <sup>am</sup>
4.30 P.M.	2	"	62°	12.65%	
7.30 <sup>am</sup>	3	"	24 69°	8.95%	Dult @ 6.45 <sup>am</sup>
7.30 <sup>am</sup>	4	"	29 58°	2.0%	- Rashed -

No. 107m.

Alb.

June 23<sup>rd</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B. C. 32); (200 C. 32 + 20 B. C. Telling); (20 Kents + 30 G. 91) = 90 lb.

6 S. - 6 M - 1 1/2 P. - 1 1/2 K. H. S. (July 14)

7<sup>00</sup> Mash -  $\frac{148^{\circ}}{37\frac{1}{2}}$   
 7.52 Underbit -  $\frac{210^{\circ}}{8}$ ; Steam - 8 1/2  
 8.33. Set Tap; Heat - 153  
 Gauge -  $\frac{120}{67\frac{1}{2}}$ ; Hg -  $\frac{120}{2}$

First run - 20.62

Cost - 1.62

Water - 37 1/2

8

67 1/2

2

115

Into Cyp.

98 lbs.

- 10 1/2 -

Out of Cyp.

77 1/2

Ballig.

13.95

Yeast - #42 Brew (46 lbs. + 1 1/2 7.)

Air - 14

Time	Day	Date	Temp.	Ballig.	Remarks.
7.30	2	June 24	60 1/2	13.47	B. H. @ 5.15 am
"	4	" 26	69	3.45	1 <sup>st</sup> skin @ 4 am
"	8	June 30	57 1/2	2.05	- Rashed -



No. 4 run.

Ale.

June 26.

Malt - 5000 lbs. C. M. Co.

\* Hops - (30 B. C.<sup>32</sup>); (20 B. C.<sup>32</sup> + 20 B. C. Goldings<sup>32</sup>); (20 B. C. Goldings<sup>32</sup>) = 90 lbs.  
 6 S. - 6 M. - ~~15 # 1/2 S.~~ 1 1/2 P. - 1 1/2 N. M. S. (July 14)

6.59<sup>am</sup> Mash -  $\frac{41}{37\frac{1}{2}}$   
 7.48 Underlet -  $\frac{21}{8}$ ; Steam -  $8\frac{1}{2}$   
 8.31 Left Taps: Heat -  $154\frac{1}{2}$   
 Sparge -  $\frac{120}{67\frac{1}{2}}$ ; Hop -  $\frac{120}{2}$

First runs - 21.0<sup>9</sup>  
 out - - 1.6<sup>9</sup>  
 Water - 37 1/2  
 Y  
 67 1/2  
 2  
 115

Into Cg.

9 Edkls.

- 10 1/2 -

Out of Cg.

8 1/2

Balling

13.95<sup>9</sup>

Yeast - # 43 Brew (4/6 lbs. + 1 1/2 7.)

Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks.
7.31 <sup>am</sup>	2	June 27	61°	13.5 <sup>9</sup>	B.H. @ 5.30 <sup>am</sup>
4.30 P.M.	"	"	63 1/2°	12.7 <sup>9</sup>	
7.30 <sup>am</sup>	3	" 28	61°	8.4 <sup>9</sup>	In lt. @ 3 <sup>am</sup>
4.30 P.M.	3	"	61°	6.55 <sup>9</sup>	
7.30 <sup>am</sup>	4	" 29	61°	3.75 <sup>9</sup>	1 <sup>st</sup> skin @ 6 <sup>am</sup>
4.30 P.M.	4	"	"	3.15 <sup>9</sup>	
7.30 <sup>am</sup>	8	July 3	58°	2.1 <sup>9</sup>	- Reached -

No. 7 Run.

Al.

June 27<sup>th</sup>

Malt - 5000 lb. C. M. Co.

Hops - (30 B. P.) (20 B. P. + 20 B. P. July); (20 B. P. July) = 90 lb

6 S - 6 M - 1 1/2 P. - 1 1/2 K. M. S. (July 14)

Mash -  $\frac{141}{37}$   
 Hydrolit -  $\frac{215}{8}$ ; Steam - 8 1/2  
 Jet Temp; Heat - 156  
 Sparg -  $\frac{125}{68}$ ; Hop -  $\frac{125}{2}$

First run - 20.9%  
 - 1.5%  
 Wtd -  $\frac{37}{8}$   
 68  
 2  
 115

Int. Cop.  
 97 1/2 bbls. - 11 -

Int. Cop.  
 86 1/2

Balling.  
 14.15%

Leas. - # 44 Brew (46 lb + 1 1/2 7.) Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	2	June 28	60 1/2	13.9%	B.H @ 6.15 am
4.30 P.M.	"	"	62 1/2	12.9%	
7.30 am	3	" 29	69	8.95%	2 <sup>nd</sup> lb. @ 4 am
4.30 P.M.	"	"	"	6.55%	
7.30 am	4	" 30	68 1/2	4.2%	1 <sup>st</sup> skin @ 11.30 am
4.30 P.M.	"	"	69	3.4%	
7.30 am	8	July 4	57 1/2	2.3%	- Racked -



No. 9 Jun.

Stout.

June 28<sup>th</sup>

Malt - 5000 lbs. C. M. Co.  
 Hops - (30 B.C.<sup>32</sup>), (20 B.C.<sup>32</sup> + 20 B.C.<sup>32</sup>), (20 B.C.<sup>32</sup> July) = 90 lbs.  
 6 S. + 6 M. - 112½ P. - S. root - 2; C. root - 3; G. root - 4.  
 2 K. M. S.  
 7 am Mash -  $\frac{148}{38\frac{1}{2}}$  First runs - 20.65?  
 7.50 " Underlet -  $\frac{210}{8}$ ; Steam - 8½ Last .. - 1.8?  
 8.31 " Let Hops; Heat - 155½ Water - 35½  
 Sprig - 70½; Hops - 2 70½  
 2

119

Inlet Cyp. 100 lbs. -10 - Out. of Cyp. 90 Balling. 14.35?

Yeast - \* 45 Brew (46 lbs. + 15 7.) Qi - 14

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	2	June 29	61½°	13.9?	B.H. @ 4.40 am.
4.30 P.M.	"	"	64°	12.85?	
7.30 am	3	" 30	69°	8.8?	In H. @ 1.30 am.
4.30 P.M.	"	"	"	6.8?	
7.30 am	8	July 5	57°	3.1?	- Rashed -

No. 3 Run.

Ale.

June 29.

\* Malt - 5000 lbs. C. M. Co.  
 Hops - (30 B. C.), (20 B. C. + 20 B. C. <sup>32</sup>), (20 ~~B. C.~~ <sup>32</sup>) = 90 lbs.  
 6 S - 6 M - 1 1/2 P - 1 1/2 K. M. S. (July 14). Kents (1882)

Mash -  $\frac{145}{37}$   
 Malt -  $\frac{210}{8}$ ; Steam - 6 1/2  
 Set taps; Heat - 153°  
 Sparge -  $\frac{120}{68}$ ; Hop -  $\frac{120}{2}$

First runs - 20.68°  
 Last - 1.77°  
 Water - 37  
 68  
 2  
 115

Into Cyp.

97 1/2

Out of Cyp.

- 11 - 76 1/2

Balling.

14.27

Least - #44 Brew (46 lb. + 1 1/2 F.)

Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks.
7:30 am	2	June 30	60 1/2°	13.87	B.H. @ 6.15 am.
4:30 P.M.	"	"	62 1/2°	13.17	" again skinned
7:30 am	5	July 3	69°	3.37	off @ 8.15 am
"	7	" 5	63°	2.77	↳ Late skimming.
"	8	July 6	51°	2.77	1 <sup>st</sup> skini @ 6.30 P.M.
				<u>Reached</u>	on July 2.



8  
No. Run.

Stout.

July 3<sup>rd</sup>.Malt - 5000 lb. C. M. Co. + 250 lb. B. Barley  
Hops - (30 B. C.<sup>11</sup>); (20 B. C.<sup>11</sup> + 20 B. C. <sup>12</sup>); (20 Cent.<sup>12</sup>) = 90 lb.6 S - 6 M - 11 R $\frac{1}{2}$  P. - S. root - 2; C. root - 3; G. root 4

2 K. U.S.

6.57<sup>am</sup> Mash -  $\frac{145}{39}$ 7.45 - Undelet -  $\frac{210}{8}$ ; Steam -  $7\frac{1}{2}$ 8.32 - Let Tap; Heat -  $155^{\circ}$ Sparger  $\frac{170}{68}$ ; Hop -  $\frac{170}{2}$ 

First runs - 21.17

Last - 2.13

Water - 39

8

68

2

114

Into Cys.

100 hlls.

-  $9\frac{1}{2}$  -

Out of Cys.

90 $\frac{1}{2}$  hlls.

Balling.

14.7<sup>?</sup>Yeast - #. 48 Brew (46 lb. + 1 $\frac{1}{2}$  lb.)Air -  $14^{\circ}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	July 4	60 $\frac{1}{2}$ <sup>o</sup>	14.25 <sup>?</sup>	B. H. @ 7 <sup>am</sup>
4.30 P.M.	"	"	62 <sup>o</sup>	13.45 <sup>?</sup>	
7.30 <sup>am</sup>	3	" 5	69 <sup>o</sup>	10.7 <sup>o</sup>	2 <sup>nd</sup> at @ 7 <sup>am</sup>
4.30 P.M.	"	"	"	7.9 <sup>?</sup>	
7.30 <sup>am</sup>	4	" 6	"	5.5 <sup>?</sup>	
1.45 P.M.	"	"	"	4.95 <sup>?</sup>	
4.30 P.M.	"	"	"	4.85 <sup>?</sup>	
7.30 <sup>am</sup>	5	" 7	"	3.9 <sup>?</sup>	
" "	8	July 10	57 <sup>o</sup>	3.2 <sup>?</sup>	- Reached -

No. 10 Jun.

Ale.

July 4. <sup>4</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B.C.<sup>2</sup>); (20 B.L.<sup>2</sup> + 20 B.C. G.<sup>2</sup>); (20 K.<sup>2</sup>) = 90 lb.

6 S - 6 M - 1 1/2 P. - 1 1/2 K. M.S. (July 14).

7:01<sup>am</sup> Mash -  $\frac{148}{37}$   
 Underlet -  $\frac{218}{8}$ ; Steam - 6 1/2'  
 Set Taps; Heat - 153  
 Sparge -  $\frac{120}{68}$ ; Hops -  $\frac{170}{1}$

First run - 20.5<sup>?</sup>Last - 2.0<sup>5</sup>

Water - 37

8

68

---

1

114

Out Cop.

98 lbs.

Out Cop.

- 10 1/2 -

87 1/2

Balling

14.1<sup>7</sup>

Least - \* 49 Bar (46 lbs. + 1 1/2 7.)

Air - 1 1/4.

Time	Day	Date	Temp.	Balling	Remarks
7:30 <sup>am</sup>	2	July 5	60 1/2°	13.55 <sup>?</sup>	B.H @ 5.45 <sup>am</sup>
4:30 P.M.	-	-	62 1/2°	12.8 <sup>?</sup>	
7:30 <sup>am</sup>	3	" 6	69°	8.45 <sup>?</sup>	Dlt. @ 4 <sup>am</sup>
4:30 P.M.	-	-	-	6.1 <sup>?</sup>	
7:30 <sup>am</sup>	4	" 7	"	3.6 <sup>?</sup>	7 <sup>th</sup> skin @ 6 <sup>am</sup>
4:30 P.M.	-	-	"	2.9 <sup>?</sup>	
7:30 <sup>am</sup>	7	" 10	59°	2 <sup>?</sup>	
" 8	8	July 11	57°	1.95 <sup>?</sup>	- Rashed -



No. 4 Run.

Ale.

July 5<sup>th</sup>

Malt - 5000 lb. C. M. Co.  
 Hops - (30 B.C.<sup>32</sup>), (20 B.C.<sup>22</sup>) + 20 B.C. (2<sup>1</sup>); (20 Kent<sup>32</sup>) = 90 lb.  
 GS - 6 M - 1 1/2 P. - 1 1/2 K. M. S. (July 14)

Mash -  $\frac{148}{36\frac{1}{2}}$   
 Mchlt -  $\frac{90}{8}$ ; Steam - 8  
 St. Temp., Heat - 153  
 Sparg -  $\frac{170}{68\frac{1}{2}}$ ; Hop -  $\frac{170}{2}$

First runs - 20.85%  
 Cost - 1.7%  
 Water -  $\frac{36\frac{1}{2}}{8}$   
 68 1/2  
 2  
 115

Inlet Cyp. 98 - 11 - Outlet Cyp. 88

Balling 13.9%

Yeast - ~~11~~ <sup>47450</sup> Brews. (46 lb + 1 1/2 T.) Au - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	2	July 6	60°	13.45%	B. H. @ 7.45 am
4.30 P.M.	-	-	62°	12.77	
7.30 am	3	7	68 1/2°	<del>12.77</del> 9.4%	In M. @ 7.50 am
4.30 P.M.	-	-	69°	7.1%	
7.30 am	8	July 12	57°	2.15%	- Reached -

No. 9 Jun.

Sparkling Ale.

July 6<sup>th</sup>

Malt - 2500 lbs. C.M.C.  
 Hops - (20 B.C.<sup>3</sup>), (20 B.C.<sup>1</sup> + 15 B.C.<sup>2</sup>), (20 Kent<sup>32</sup>) = 975 lbs.  
 545 - 6 M. - 1/2 K. N.S.

7<sup>am</sup> Mash -  $\frac{141}{33}$   
 7.45 " Underbit -  $\frac{210}{8}$ ; Steam - 7  
 8.25 " Set Taps; Heat - 154°  
 Sparg -  $\frac{170}{67}$ ; Hg. -  $\frac{110}{2}$

First runs - 20.35%  
 Last " - 1.5%  
 Water - 33  
 67  
 2  
 110

Out of Cop.  
 96 1/2 lbs.

- 9 1/2 -

Out of Cop.  
 86 lbs.

Balling.  
 12.95%

Yeast - \* 50 Brew (46 lb. + 1/2 7)

Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks
7.30 am	2	July 7	61°	12.9%	B.H. @ 5.15 am
4.30 P.M.	"	"	63°	11.45%	
7.30 am	8	July 13	<del>57</del> 57°	1.85%	- Racked -



No. 7 run.

Ale.

July 7.<sup>th</sup>

Malt - 5000 lb. C. M. Co.

Hops - (30 B.C.<sup>31</sup>); (20 B.C.<sup>32</sup> + 20 B.C.<sup>32</sup>); (20 Kendl.<sup>31</sup>) = 90 lb.

6 S - 6 M - 1 1/2 P. - 1 1/2 K. M. B. (July 14).

6.57<sup>am</sup> Mash -  $\frac{145}{37}$ 7.46 .. Underlet -  $\frac{90}{8}$ ; Steam - 8'8.31 .. Set Taps, Heat -  $\frac{153}{170}$ Sparge  $\frac{170}{65}$ ; Hy -  $\frac{170}{2}$ 

First run - 20.85?

Last - 1.85?

Water - 37

68

2

---

115

Inb Cys

97 1/2 lbs.

Out of Cys.

86 1/2

Balling

14%

Yeast - # 51 Brew (46 lb. + 1 1/2 ?)

Air - 14'

Time	Day	Date	Temp.	Balling	Remarks
6 P.M.	3	July 7	68'	7.2?	B. H. Lat
7.30 A.M.	4	" 10	69 1/2	5.1?	2 lt. lat.
1.40 P.M.	"	" "	"	4.4?	1 <sup>st</sup> skim @ 4 P.M.
4.30 P.M.	"	" "	"	4.2?	
7.30 <sup>am</sup>	5	" 11	69°	3.3?	
7.30 <sup>am</sup>	8	July 14	57°	2.45?	- Racked. -

No. 3 run.

Alb.

July 10. <sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B. C. <sup>31</sup>); (20 B. C. <sup>31</sup> + 20 B. C. Glys. <sup>21</sup>); (20 Kent <sup>31</sup>) = 90 lbs.

6.5 - 6 M - 1 1/2 P. - 1.5 K. N.S.

6.57<sup>am</sup> Mash -  $\frac{145}{37}$   
 7.49 Hydant -  $\frac{37}{8}$ ; Steam - 8  
 8.30 Let Taps; Heat - 154°  
 Sparge -  $\frac{120}{68}$ ; Hqr -  $\frac{120}{7}$

First runs - 20.8%  
 Heat - 175%  
 Water - 37  
 8  
 68  
 114

Into Cyp.

97 1/2 lbs.

- 10 -

Out of Cyp.

87 1/2 lbs.

Balling

14.1%

Least - # 53 Bar (46 lbs. + 1 1/2 T.)

Air - 14°

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	July 11	60°	13.6%	B.H. @ 5.46 <sup>am</sup>
4.30 P.M.			62°	12.8%	
7.30 <sup>am</sup>	3	" 12	69°	8.65%	Doubt. @ 6 <sup>am</sup>
4.30 P.M.			"	6.1%	
7.30 <sup>am</sup>	4	July 13	"	3.4%	1 <sup>st</sup> skin @ 7 <sup>am</sup>
4.30 P.M.			"	2.9%	
7.30 <sup>am</sup>	8	July 17	58°	2%	- Rashed -



No. 8 Run

Ale.

July 11.<sup>th</sup>

Malt - 5000 lbs. P. M. C.  
 Hops - (30 B. P.<sup>30</sup>); (20 B. P.<sup>30</sup> + 20 B. P.<sup>40</sup>); (20 Kent<sup>30</sup>) = 90 lbs.  
 6 S - 6 M - 1 1/2 P. - 1.5 K. M. S.

6.57<sup>am</sup> Mash -  $\frac{141}{37}$   
 7.46 " Muddled -  $\frac{310}{8}$ ; Steam - 8'  
 8.30 " Soft Taps; Heat - 154°  
 Gauge -  $\frac{171}{68}$ ; Hops -  $\frac{171}{2}$

First runs - 20.8?  
 Lost " - 1.75?  
 Water - 37  
 68  
 2  
 115

28 Cps. Out of Cps.  
 97 1/2 Chlls. - 10 1/2 - 87 Chlls.

Balling.  
 147

Yeast - # 53 Brew (46 lbs. + 1 1/2 lb.) -

Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	July 12	60°	13.6?	B. M. @ 6 <sup>am</sup>
4.30 P.M.	"	"	62°	12.7?	
7.30 <sup>am</sup>	3	" 13	69°	9.05?	Bullt. @ 7 <sup>am</sup>
4.30 P.M.	"	"	"	6.65?	
7.30 <sup>am</sup>	4	" 14	69°	3.9?	1 <sup>st</sup> King @ 9 <sup>am</sup>
4.30 P.M.	"	"	"	3.05?	
7.30 A.M.	5	" 15	67°	2.5?	
" "	8	July 18	57°	2.1?	- Racked -

No. 10 Run.

Sparkling Ale.

July 12<sup>th</sup>

Malt - 4500 lbs. C. M. Co.

Hops - (20 B. C.<sup>31</sup>); (20 B. C.<sup>31</sup> + 15 B. C.<sup>30</sup> lq.); (20 Kent) = 75 lbs.

5 S - 6 M. = 15 K. U. S.

7 <sup>am</sup>	Mash - $\frac{141}{33}$	First run - 20.6 <sup>7</sup>
7.45 <sup>am</sup>	Underbit - $\frac{210}{8}$ ; Steam - 7'	Cost - 1.3 <sup>7</sup>
8.30 <sup>am</sup>	Set 7 <sup>am</sup> ; Heat - 154°	Water - 33
	Sparg - $\frac{170}{68}$ ; Hops $\frac{121}{2}$	8
		68
		2
		111

Into Cys.

96 $\frac{1}{2}$  lbs.

Out of Cys.

- 11 - 85 $\frac{1}{2}$  lbs.

Balling.

12.9<sup>7</sup>Yeast - #54 Brew (46 lbs. + 1 $\frac{1}{2}$  T.)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	July 13	60°	12.35 <sup>7</sup>	B.H. @ 5.15 <sup>am</sup>
4.30 P.M.	"	"	62 $\frac{1}{2}$	11.4 <sup>7</sup>	
7.30 <sup>am</sup>	3	" 14	69°	7.3 <sup>7</sup>	In lt. @ 4 <sup>am</sup>
4.30 P.M.	"	"	"	4.95 <sup>7</sup>	
7.30 <sup>am</sup>	4	" 15	"	2.7 <sup>7</sup>	1 <sup>st</sup> skin @ 2 <sup>am</sup>
" "	8	July 19	56°	1.75 <sup>7</sup>	- Racked -



No.  $\frac{49}{5}$  run.

Ale.

July 13<sup>th</sup>

Malt - 5000 lb. C. M. Co.

Hops - (30 B. C.); (20 B. C. + 20 B. C. <sup>22</sup>); (20 Kent) = 90 lbs.6 S - 6 M - 1 $\frac{1}{2}$  P - 1.5 K. H. S.

6.58 <sup>am</sup>	Mash - $\frac{145}{37}$	First run - 21.1%
7.48	Up light - $\frac{210}{8}$ ; Steam - <del>8</del> 9	Last - 1.5%
8.34	Set Taps; Heat - 154°	Water - 37
	Gauge - $\frac{171}{68}$ ; H <sub>2</sub> O - $\frac{171}{2}$	8
		68
		2
		115

Into Cys.	Out of Cys.	Balling.
97 $\frac{1}{2}$ lbs.	- 11 -	86 $\frac{1}{2}$ lbs.
		14.1%

Yeast - 854 Brew (46 lb. + 1 $\frac{1}{2}$ 7.)	Air - 1 $\frac{1}{4}$
--	-----------------------

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	July 14	60°	13.7%	B. H. @ 7.30 <sup>am</sup> (late)
4.30 P.M.	"	"	62°	12.9%	
7.30 <sup>am</sup>	3	" 15	68 $\frac{1}{2}$	9.7%	In Lt. @ 8 <sup>am</sup>
7.30 <sup>am</sup>	5	" 17	68°	2.9%	
"	8	July 20	57°	2.3%	- Racked -

No 9 run.

Stout.

July 14<sup>#</sup>

Malt - 5000 lb. C. M. G. + 250 lb. B. Barley.  
 Hops - (30 B. O.); (20 B. O.; + 20 B. C. G.); (20 Kent) = 90 lb.  
 6 B - 6 M - 112½ P.; S. root - 2; P. root - 3; G. root - 4

1.5 K. M. S.

6.58<sup>am</sup>Mash -  $\frac{1.5}{38}$ 

First runs - 21.1%

7.45

Underlight -  $\frac{3.0}{8}$ ; Steam - 10'

Last .. - 1.5%

8.33.

Set Taps; Heat - 156'

Water - 38

Sparg -  $\frac{170}{67}$ ; Hg -  $\frac{170}{2}$ 

8

69

2

117

Int. Cap.

100 bbls.

- 9½ -

Out of Cap.

90½ bbls.

Balling.

14.45%

Yeast - # 55 Brew (46 lb. + 1½ 7.)

Air - 14'

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	July 15	61°	13.7%	B.H. @ 6.15 <sup>am</sup>
6 P.M.	3	" 16	69°	6.7%	
7.30 <sup>am</sup>	4	" 17	"	5.1%	1 <sup>st</sup> skin @ - 3.45 P.M.
4.30 P.M.	"	"	"	4.35%	
7.30 <sup>am</sup>	8	July 21	56½°	3%	- Racked -



M. 3 Jun.

Alb.

July 17. <sup>74</sup>

Malt - 5000 lbs. C. M. C.  
 Hops - (30 B.C.<sup>3</sup>); (20 B.C.<sup>2</sup> + 20 B.C. <sup>1</sup>/<sub>2</sub>); (20 Kent<sup>2</sup>) = 90 lb.  
 Ho S - 6 M - 45 K. M. S. - 12 P.

6.58 <sup>am</sup>	Mash - $\frac{141}{37}$	First runs - 21.7%
7.50	Mundalt - $\frac{218}{8}$ ; Steam - $5\frac{1}{4}$	Last - 16.7%
8.32	Set Taps; Heat - 156	Water - 37
	Sparg - $\frac{178}{68}$ ; Hop - $\frac{120}{2}$	68
		2
		<hr/> 115

Into Cop.	Out of Cop.	Balling.
97 $\frac{1}{2}$ lbs. - 11 $\frac{1}{2}$ -	86 lbs	14.2%

Yeast - \* 57 Brew (46 lbs. + 1  $\frac{1}{2}$  7.)      Air - 1  $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	July 18	60 $\frac{1}{2}$	13.65%	B. H. @ 4.45 P.M.
4.30 P.M.		"	63	12.7%	
7.30 <sup>am</sup>	3	" 19	69°	8.55%	2 lt. @ 4.16. <sup>am</sup>
4.30 P.M.		"	"	6.1%	
7.30 <sup>am</sup>	4	" 20	"	3.6%	1 <sup>st</sup> skin @ 6 <sup>am</sup>
4.30 P.M.		"	"	2.9%	
7.30 <sup>am</sup>	8	<u>July 24</u>	57°	20.5%	- Racked -

No. 8 Run.

Alc.

July 18<sup>th</sup>

Malt - 5000 lbs.

Hops - (30 B.C.); (20 B.C.); (20 B.C. Hop.); (20 Kent) = 90 lbs.

6 S - 6 M - 1.5 K. M.S. - 1.5 P.

6.51<sup>am</sup> Mash -  $\frac{148}{36\frac{1}{2}}$   
 7.50 Underlet -  $\frac{24}{8}$ ; Steam - 9'  
 8.32 Set Taps; Heat - 154'  
 Sponge -  $\frac{120}{68\frac{1}{2}}$ ; Hop -  $\frac{170}{2}$

First run - 20.55<sup>g</sup>  
 Last - 1.4<sup>g</sup>  
 Water - 36 $\frac{1}{2}$   
 8  
 68 $\frac{1}{2}$   
 2  
 115

Inlet Cyp.  
98 lbs.

- 11 -

Out of Cyp.  
87 lbs.Balling  
13.9<sup>g</sup>Yeast - \*58 Bow (46 lbs + 1 $\frac{1}{2}$  7)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	July 19	61°	13.3 <sup>g</sup>	B.H. @ 4.30 P.M.
4.30 P.M.	"	"	64°	12.2 <sup>g</sup>	
7.30 <sup>am</sup>	3	" 20	69°	7.9 <sup>g</sup>	Inlet @ 1.45 <sup>am</sup>
4.30 P.M.	"	"	"	5.6 <sup>g</sup>	
7.30 <sup>am</sup>	4	" 21	"	3.2 <sup>g</sup>	1 <sup>st</sup> skin @ 4 <sup>am</sup>
"	8	July 25	57°	1.95 <sup>g</sup>	Rashed



No. 10 Jun.

Ale.

July 19<sup>th</sup> 1923

Malt - 5000 lb. C. M. Co.  
 Hops - (30 B.C.); (20 B.C. + 20 B.C. 2<sup>nd</sup>); (20 Kent) = 90 lb.  
 68<sup>lb</sup> - 6 M - 1.5 K. M. S. - 1 1/2 P.

7<sup>am</sup> Wash -  $\frac{45}{37}$   
 7.50 .. Hydrant -  $\frac{21}{7}$ ; Steam - 9  
 8.33 .. Set Taps, Heat - 154°  
 Sparg -  $\frac{170}{68}$  ; Hop - 2

First run - 20.85%  
 Last : - 1.4%  
 Water - 37  
 8  
 68  
 2  
 115

In to Cys. 97 1/2 lbs. - 11 - Out of Cys. 86 1/2  
 Balling. 14.25%

Yeast - \* 60 Brew (46 lb + 1 1/2 F.) Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks
7.30 am	2	July 20	61°	13.8%	B. H. @ 4 am.
4.30 P.M.	"	"	64°	12.7%	
7.30 am	3	" 21	69°	8.35%	2 H. @ 1 am.
4.30 P.M.	"	"	"	6%	
7.30 am	4	" 22	61°	3.6%	1 <sup>st</sup> skim @ 6 am.
7.30 A.M.	8	" 26		2.0%	<u>Racked</u>

No. 4/Run.

Ab.

July 24.<sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B.C.<sup>21</sup>); (20 B.C.<sup>32</sup> + 20 B.C. Goly.); (20 <sup>32</sup>tons) = 90 lbs.

6 S - 6 M - 1.5 K.M.S. - 1.5 P.

6.58<sup>am</sup> Mead -  $\frac{145}{37}$ 7.47. Hydrolit -  $\frac{216}{8}$ ; Steam - 9 $\frac{1}{2}$ 

8.33.. Let Taps; Heat - 154°

Forge -  $\frac{178}{68}$ ; Hyg -  $\frac{170}{2}$ 

First runs - 21%

Last .. - 1.5%

Water - 37

68

2

115

2<sup>nd</sup> Cyp.  
99 lbs.

- 11 -

Out Cyp.  
87 lbs.Balling.  
14%Leact - # 62 Brew (46 lbs. + 1 $\frac{1}{2}$  F.)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	July 25	60 $\frac{1}{2}$	13.6%	B.H. @ 6 <sup>am</sup>
7.30 A.M.	3	26	69	8.4%	

Washed. July 31<sup>st</sup> 1.9%



No 7 run.

Sparkling Ale.

July 25. <sup>th</sup>

Malt - 4500 lbs. C. M. C.  
 Hops - (20 B.C.<sup>32</sup>); (20 B.C.<sup>415</sup> B.C. <sup>420</sup>); (20 Kent<sup>32</sup>) = 75 lbs.  
 5 S - 6 M - 1.5 K. U.S.

6.57<sup>am</sup> Mash -  $\frac{144}{33\frac{1}{2}}$   
 7.44 " Undrilt -  $\frac{218}{8}$ ; Steam - 8  
 8.30 " Left Taps; Heat -  $152^{\circ}$   
 Sparg -  $\frac{170}{67\frac{1}{2}}$ ; Hop -  $\frac{170}{2}$

First runs - 20.45?  
 Last - 1.4?  
 Water -  $33\frac{1}{2}$   
 $\frac{8}{68\frac{1}{2}}$   
 $\frac{2}{111}$

In G.  
 96 lbs.

- 11 -

Out of G.  
 85

Balling  
 13?

Leant - #63 Brew (46 lbs +  $1\frac{1}{2}$  T.)

Air -  $1\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 A.M.	2	July 26	$68\frac{1}{2}$	12.75	B. H. at 7.00 A.M.

Rashed. Aug 1<sup>st</sup> 1.8.90

Ale

July 26, 1953

Malt - 2500 lbs. P. M. Co.

Nops - 30 B.C. - 20 B.C. + 20 Joldings - 20 Kents.

6 J - 6 M - 1.5 K. M. S. - 1 1/2 F.

6.57 <sup>AM</sup>	Mash $\frac{148}{37}$	First Runs 20.5%
7.45	Underlet $\frac{210}{8}$ ; Steam 8'	Last Runs 1.4%
8.27	Set Taps - Heat 154°	Water 37
	Sparge $\frac{170}{68}$ ; H.S. $\frac{170}{2}$	8
		68
		<u>2</u>
		145
	Into Copper	Out of Copper
	98 lbs.	87 1/2
		Balling
		14.9%

Yeast - 46 lbs. off Brew No 64.

Time	Day	Date	Temp	Balling	Remarks
------	-----	------	------	---------	---------

					Racked Aug 2 <sup>nd</sup> 2.9%
--	--	--	--	--	---------------------------------



No. 3 Run

Stout July 31<sup>st</sup> 133

Malt 5000 c. M. c. B. Barley 250

Hops 30. B. h. 20. - B. h. 20. B. h. 20. Hunt

c. h. - 15 H. M. S. 6. M. ~~10~~ Poterium 112

S. S. 4. G. B. 3. L. H. 2. First run 20.6%

6.55 am

Mash  $\frac{150}{38}$ 

Fast " 1.8.9%

7.45 "

Underlet  $\frac{210}{8}$  Steam 9. Minutes

8.30 "

Set Gaps 154H

Water 38

H<sub>2</sub>O  $\frac{190}{69}$  Hops  $\frac{110}{62}$ 

8

69

2

---

117

In	Boiled	Out	Balling
100	9 1/2	90 1/2	14.5%

Yeast off. No. 65. Brew. 46 Lbs.

Time	Day	Date	Temp	Balling	Remarks
7.30 A.M.	8	Aug 7		3%	<u>Racked</u>

No. 80 Jun

Ale.

Aug 1st/33

Malt 5000. S. M. Co.

Hops 30. B. G. H. Co. - 20. B. G. H. Co. 20. B. G. H. Co. 20. Gunt  
S. S. G. M. 1.5. K. M. S. 1.1/2 Postulene655<sup>ans</sup> Mash  $\frac{150}{37}$ 

First run 20.3%

745 " Hordlet  $\frac{210}{8}$  Steam 8 minutes

Last " 1.8%

830 " Set Jugs 1544

Water 37

Hfg  $\frac{170}{68}$  Hfg  $\frac{170}{2}$ 

8

68

2

115

In boiler	Boiled	Out	Balling
98	10 1/2	87 1/2	13.8%

Yeast off No. 66. Brew. 46 Lm

Time	Day	Date	Temp	Balling	Remarks
7.30 A.M.	7	Aug 7		2.0%	
7.30 " "	8	" 8		<u>1.9%</u>	Racked



No. 1000

Ale

Aug 2<sup>nd</sup>/33

Malt 5000. l. M. 60

Hops 30. B. l. H. 60. 20. B. l. 20. B. l. 20. Hest

l. S. 6. M. 1.42 P. 1.54 M. S. First run 20.3%

Last " 1.8%

6.55 am Mash  $\frac{150}{36\frac{1}{2}}$

7.45 " Underlet  $\frac{210}{8}$  steam  $8\frac{1}{2}$  minutes. Water  $30\frac{1}{2}$

8.30 " set Laps 154 #  $\frac{8}{67\frac{1}{2}}$

Sp. g  $\frac{170}{67\frac{1}{2}}$  Hops  $\frac{170}{2}$   $\frac{2}{114}$

In Copper Boiled Out Balling

97. 11 86 14.90

Yeast off No 67 Brew 46 Lbs.

Time	Day	Date	Temp	Balling	Remarks
7.30 A.M.	6	Aug 7		1.8%	
7.30 "	8	" 9		<u>1.870</u>	<u>Racked</u>

Run No 4

Ale

Aug 7, 1933

Malt - 5000 lbs. C. M. Co.

Hops - 30 B.C. - 20 B.C. + 20 B.C.G. - 20 Kents.

6 S - 6 M - 1 1/2 P - 1.5 K. N.S.

6.55 A.M.	Mash	$\frac{150}{37}$	First Run	20.3%
7.45 " "	Underlet	$\frac{210}{8}$ - Steam 8'	Last Run	1.7%
8.30 " "	Set Taps - Heat	152°	Water -	37
	Sparge	$\frac{170}{67}$ ; N.S. $\frac{170}{2}$		8
				67
				2
				114
	<u>Into Copper</u>		<u>Out of Copper</u>	<u>Balling</u>
	97	-11	86	14.2%

Yeast - 46 lbs. off Brew No. 69

Time	Day	Date	Temp	Balling	Remarks
7.30 A.M.	2	Aug 8	61°	13.6%	
7.30 A.M.	3	" 9	69°	8.1%	Skimmed at 5.00 A.M.
11.30 A.M.	4	" 10	69°	2.9%	
3.30 P.M.	4	" 10	69°	2.6%	
7.30 <del>am</del>	8	<u>Aug 14</u>	57°	<u>2%</u>	<u>Racked</u>



Turn No 7

Ale

August 8, 1933

Malt - 5000 lbs. C. M. Co.  
 Hops - 30 B.C. - 20 B.C. + 20 B.C. G. - 20 Kent  
 Dried - 6 M - 1 1/2 G. - 1.54. N.S.

7.05 A.M.

Mash  $\frac{145}{37}$ 

First Run 20.5%

7.53 " "

Underlet on  $\frac{210}{8}$  Steam 8 1/2'

Last Run 1.6%

8.35 " "

Set Taps - Heat 154°

Water 37

Sponge  $\frac{170}{67}$ ; N.S.  $\frac{170}{2}$ 

8

67

2

114

Into CopperOut of CopperBalling

97

86 1/2

14

Yeast - 46 lbs off Brew 69.

Time	Day	Date	Temp	Balling	Remarks
7.30 A.M.	2	Aug 9	61°	13.6%	
3.30 P.M.	3	" 10		6.2%	
11.30 A.M.	4	" 11	69°	3.6%	Skinned at 8.30 am
7.30	8	<u>Aug. 15</u>	57°	<u>2.45%</u>	<u>-Rachd-</u>

Tun No 9

Ale

August 9, 1933

Malt - 5000 lbs. C.M. Co.

Hops - 30 B.C. - 20 P.C. + 20 B.C. G. - 20 Kents.

61 - 6 M - 1 1/2 P. - 15 K. 4/5

First Run - 20.3%

Last Run - 1.5%

7.10 A.M.

Mash  $\frac{148}{37}$ 

8.00 " "

Underlet  $\frac{210}{8}$  Steam 8'

Water - 57

8.40 " "

Set Taps - Heat 154°

8

Sparge  $\frac{170}{67}$ ; H.S.  $\frac{170}{2}$ 

67

2

114

Into Copper

97

Out of Copper

86 1/2

Balling

13.9%

Yeast 46 lbs. off Brew No. 70

Time	Day	Date	Temp	Balling	Remarks
11.00 A.M.	2	Aug 10		13.4%	
11.30 " "	3	" 11	68°	7.0%	D.H. at 1.30 A.M.
7.30 <del>am</del>	8	<u>Aug. 16</u>	57°	<u>2.15%</u>	- Racked -



No. 37 un.

Alc.

Aug. 14. <sup>79</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B.C.<sup>79</sup>), (20 B.C.<sup>79</sup> + 20 B.C. <sup>80</sup>); (20 Kents<sup>82</sup>) = 90

6S - 6M - 1.5P. - 1.5K. M. S.

7.03<sup>am</sup> Mash -  $\frac{141}{36}$ 7.51 " Muddled -  $\frac{211}{8}$ ; Stem -  $8\frac{1}{4}$ 8.33 " Self Tap; Heat -  $15\frac{1}{2}$ Garg -  $\frac{171}{68}$ ; Hy -  $\frac{171}{7}$ First runs - 20.8<sup>0</sup>Last - 1.4<sup>0</sup>Water -  $36\frac{1}{8}$ 

68

1

113

Into Cup

97 lbs. - 10 $\frac{1}{2}$  -

Out of Cup

56 $\frac{1}{2}$  lbs.

Billing

13.9<sup>0</sup>Yeast - \* 71 Brew (46 lbs + 1 $\frac{1}{2}$  7.)Alc - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp	Billing	Remarks
7.30 <sup>am</sup>	2	Aug. 15	61°	13.5 <sup>0</sup>	B.H. @ 5.15 <sup>am</sup>
4.30 P.M.	"	"	63 $\frac{1}{2}$	12.6 <sup>0</sup>	
7.30 <sup>am</sup>	3	" 16	69°	8.2 <sup>0</sup>	2 lt. @ 3 <sup>am</sup>
4.45 P.M.	"	"	"	5.85 <sup>0</sup>	
7.30 <sup>am</sup>	4	" 17	"	3.7 <sup>0</sup>	1 <sup>st</sup> skin @ 6 <sup>am</sup>
4.30 P.M.	"	"	"	3.1 <sup>0</sup>	
7.30 <sup>am</sup>	5	" 18	68°	2.55 <sup>0</sup>	
"	8	Aug. 21	58°	2.2 <sup>0</sup>	<u>Rached</u>

No. 8 Run

Al.

Aug. 15. <sup>th</sup>

Malt - 5000 lb. C. M. Co.

Hops - (30 B. C.); (20 B. C.); (20 B. C. <sup>9.32</sup>); (20 <sup>37</sup> Kunt) = 90 lbs.

6 S - 6 M - 1.5 P. - 1.5 K. M. S.

7<sup>am</sup> Mash -  $\frac{148}{36\frac{1}{2}}$   
 7.49. Undulit -  $\frac{24}{8}$ ; Steam -  $8\frac{1}{2}$   
 8.32. Let Temp, Heat -  $154^{\circ}$   
 Sparg -  $\frac{120}{67\frac{1}{2}}$ ; top -  $\frac{17}{2}$

First run - 20.5<sup>99</sup>  
 Last - 1.75<sup>99</sup>  
 Water -  $36\frac{1}{2}$   
 $\frac{8}{67\frac{1}{2}}$   
 $\frac{2}{114}$

Into Cop.

96  $\frac{1}{2}$  Hbl.

Out of Cop.

- 11  $\frac{1}{2}$  -

85

Balling.

14<sup>99</sup>Least - \* 72 Bow (46 lbs. + 1  $\frac{1}{2}$  7.)Air - 1  $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Aug. 16	61°	13.65 <sup>99</sup>	B. 4 @ 5.45 <sup>am</sup>
4.45 P.M.	-	-	63 $\frac{1}{2}$ °	12.7 <sup>99</sup>	
7.30 <sup>am</sup>	3	17	69°	8.65 <sup>99</sup>	In lt. @ 4.15 <sup>am</sup>
4.30 P.M.	-	-	-	6.17	
7.30 <sup>am</sup>	4	18	69°	3.55 <sup>99</sup>	1 <sup>st</sup> skin @ 7.45 <sup>am</sup>
7.30 <sup>am</sup>	8	Aug. 22	57°	2.4 <sup>99</sup>	- Reached -



No. 10 Run.

Stout.

Aug. 16.

Malt - 5000 lb. C. M. Co. & 2500 lb. B. Barley.  
 Hops - (30 B.C.<sup>2</sup>); (20 B.C.<sup>2</sup> & 20 B.C. <sup>1</sup>/<sub>2</sub>); (20 Kent's<sup>2</sup>) = 90 lbs.  
 6 S - 6 M - 1.5 K. M. S. - 112 1/2 P. - 1 root - 4; C. root - 3; S. root - 2

7<sup>00</sup> Mash -  $\frac{141}{38}$   
 7.51 Underlet -  $\frac{210}{8}$ ; Steam - 9  
 8.34 Set Taps; Heat - 154  
 Sparge -  $\frac{170}{70}$ ; H<sub>2</sub>O -  $\frac{170}{2}$

First run - 20.77  
 Last " - 1.757  
 Water - 38  
 8  
 70  
 2  
 114

Out of C<sub>1</sub> 100 lbs. - 9 1/2 - Out of C<sub>2</sub> 90 1/2

Balling 14.27

Yeast - 173 Brew (46 lbs. + 1 1/2 ?) Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks
7.30 am	2	Aug. 17	61°	13.87	B. H. @ 5.15 am
4.30 P.M.	-	"	63°	12.87	"
7.30 am	3	" 18	69°	8.97	In lt. @ 3 am
4.30 P.M.	-	"	"	6.657	"
7.30 am	4	" 19	"	4.47	"
"	8	<u>Aug. 23</u>	57°	<u>3.37</u>	- <u>Rached</u> -

No. 4 Run.

Ale.

Aug. 21<sup>st</sup>

Malt - 5000 lbs. C. M. Co.  
 Hops - (30 B.C.), (20 B.C. + 20 B.C. <sup>3/4</sup>); (20 Keils) = 90 lbs.  
 6 S - 6 M - 1.5 K. M. S. - 1.5 P.

7<sup>am</sup> Mash -  $\frac{46}{37}$   
 7.50. Unclut -  $\frac{40}{8}$ ; Steam -  $8\frac{3}{4}$   
 8.35. Set Taps, Heat -  $153^{\circ}$   
 Gauge -  $67$ ; Htg -  $2$

First run - 20.6?  
 Lost - 1.7?  
 Water -  $\frac{37}{8}$   
 $\frac{67}{2}$   
 114

Inlet Cg. 96 $\frac{1}{2}$  lbs. - 10 -

Out of Cg. 88 $\frac{1}{2}$

Balling. 13.95

Yeast - \* 74 Buns (46 lbs. + 1 $\frac{1}{2}$  lbs.)

Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	3	Aug. 23	68 $\frac{1}{2}^{\circ}$	9.95?	B.4. @ 9 am (L. 10.) 2 lt. @
4.30 P.M.	..	..	69 $^{\circ}$	7.5?	
7.30 am	#1	.. 24	69 $^{\circ}$	4.6?	
1.30 P.M.	-	..	-	3.9?	1 $\frac{1}{2}$ skin @ 1 P.M.
7.30 <sup>am</sup>	5	.. 25	-	2.9?	
-	8	Aug. 25	58 $^{\circ}$	2.3?	- Reached -



No. 7 Inn.

Ale.

Aug. 23<sup>rd</sup>  
23<sup>rd</sup>

Malt - 5000 lbs. C. M. C.

Hops - (30 B. C. <sup>30</sup>); (20 B. C. <sup>30</sup>); (20 B. C. <sup>30</sup>); (20 Kent. <sup>30</sup>) = 90 lbs.

6 S - 6 M - 1.5 K. M. S. - 1.5 P.

6.51<sup>am</sup> Mash -  $\frac{141}{37}$ 7.47<sup>am</sup> M. debit -  $\frac{310}{8}$ ; Steam - 8108.37<sup>am</sup> Set Taps; Heat - 153Forge -  $\frac{170}{67}$ ; Hg -  $\frac{170}{2}$ 

First runs - 20.6%

Last - 1.9%

Water - 37

67  
2  
114

Into Cys.

96 $\frac{1}{2}$  hbls.

Out of Cys.

- 10 $\frac{1}{2}$  - 86 hbls.

Balling

14%

Least - 875 Brew (46 H. + 127)

Air - 14 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	Aug. 24	61°	13.5%	B.H. @ 6.30 <sup>am</sup>
4.30 P.M.	-	-	63°	12.7%	
7.30 <sup>am</sup>	3	25	62°	8.9%	2 lt. @
4.30 P.M.	"	"	"	6.3%	
7.30 <sup>am</sup>	4	26	"	4%	1 <sup>st</sup> skin @ 9 <sup>am</sup>
"	5	Aug. 27	56 $\frac{1}{2}$ °	2.4%	- Racked

No. 9 run.

Alc.

Aug. 27<sup>th</sup>

Malt - 5000 lb. C. M. C.  
 Hops - (30 B. C.<sup>21</sup>); (20 B. C.<sup>21</sup> + 20 B. C.<sup>4</sup> Hop.); (20 Kent.<sup>17</sup>) = 90 lb  
 BS - 6 M - 1.5 K. M. S. - 1.5 P.

7 am	Mash - $\frac{145}{36}$	First run - 20.4%
7.47	Unchill - $\frac{210}{8}$ ; Steam - 9 $\frac{1}{2}$	Last - 1.7%
8.32	Get Temp. Heat - 155°	Water - 36
	Sparge - $\frac{170}{68}$ ; Hop - $\frac{170}{2}$	8
		68
		2
		<hr/> 114

Int. Cop.	Out of Cop.	Balling
96 $\frac{1}{2}$ Chlls.	- 11 $\frac{1}{2}$ -	85
		19.15%

Yeast - \* 76 Brew (46 lb. + 1 $\frac{1}{2}$  F.)      Air - 1 $\frac{1}{4}$ '

Time	Day	Date	Temp	Balling	Remarks
7.30 am	2	Aug. 25	61°		B. H. @ 9.40 am late
4.30 P.M.	"	"	62 $\frac{1}{2}$	13.25%	
7.30 am	3	" 26	69°	10.4%	2 lb. @ 7.30 am
6 P.M.	"	"	"	8.---	
9.30 am	4	" 27	"		
6 P.M.	"	"	"		pt. skin @ 9 P.M.
7.30 am	5	" 28	69°	3.9%	
" "	6	" 29	68 $\frac{1}{2}$	3.2%	
" "	7	" 30	65 $\frac{1}{2}$	2.9%	
7.30 am	9	<u>Sept. 1</u>	58°	2.8%	- Racked -



No. 3 run.

Ale.

Aug. 28<sup>th</sup>

Malt - 5000 lb. C. M. G.  
 Hops - (30 B.C.<sup>1/2</sup>); (20 B.C.<sup>1/2</sup> + 20 B.C.<sup>1/2</sup>); (20 Kent<sup>3/2</sup>) = 90 lbs.  
 65 - 6 M - 1.5 K. M. S. - 1.5 AP.

7 am	Mash - $\frac{145}{36\frac{1}{2}}$	First run - 20.65 <sup>1/2</sup>
7.50 ..	Mashlet - $\frac{340}{8}$ ; Steam - 9 $\frac{1}{2}$	Rest - 1.85 <sup>1/2</sup>
8.36 ..	Set up; Heat - 154°	Water - 36 $\frac{1}{2}$
	Sparge - $\frac{170}{67\frac{1}{2}}$ ; Hops - $\frac{170}{2}$	8
		67 $\frac{1}{2}$
		2
		114

Into Cyp.	Out of Cyp.	Balling
96 $\frac{1}{2}$ lbs.	- 10 $\frac{1}{2}$ -	86 lbs.
		14 $\frac{1}{2}$

Yeast - \* 77 Brew (Halls. + 1 $\frac{1}{2}$  7)      Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	2	Aug. 29	60 $\frac{1}{2}$ °	13.559	B. H. @ 6 am
4.30 P.M.			63°	12.6 <sup>7/8</sup>	
7.30 am	3	30	67 $\frac{1}{4}$ °	8.7 <sup>9/10</sup>	2 <sup>nd</sup> H. @ 4.15 am
4.45 P.M.			69°	6.059	
7.30 am	4	31	69°	3.03	1 <sup>st</sup> skin @ 8.45 am
4.45 P.M.				2.97	
7.30 am	8	Sept. 5	57°	2.1 <sup>9</sup>	- Racked -





No. 10/7<sup>am</sup>

Ale.

Aug. 30<sup>46</sup>

Malt - 5000 lb. C. M. G.

Hops - (30 B.C.<sup>3L</sup>); (20 B.C.<sup>3L</sup> + 20 B.C.<sup>15L</sup> 2<sup>dy</sup>); (20 Kent<sup>3L</sup>) = 90 lb.

GS - 6 H - 1.5 K. U.S. - 1.5 P.

7<sup>am</sup>Mash -  $\frac{14L}{36}$ Underlet -  $\frac{210}{8}$ ; Steam -  $9\frac{3}{4}$ 1st Lys; Heat -  $153^{\circ}$ Spent -  $\frac{120}{68}$ ; Hys -  $\frac{170}{2}$ First run - 20.8<sup>0</sup>Last - 1.6<sup>0</sup>Waste -  $\frac{36}{8}$ 

68

2

114

Intro Cop.

97 lhl.

- 11 -

Out of Cop.

86 lhl.

Ballin

14.15<sup>0</sup>Least - 78 Brent (46 lb. + 1 $\frac{1}{2}$  P.)Air -  $1\frac{1}{4}$ 

Time	Day	Date	Temp.	Ballin	Remarks
7.30 <sup>am</sup>	2	Aug. 31	60 $\frac{1}{2}$ <sup>o</sup>	13.77	B. H. @ 5.40 <sup>am</sup>
4.45 PM.	...	"	62 $\frac{1}{2}$ <sup>o</sup>	12.77	
7.30 <sup>am</sup>	3	Sept. 1	70 <sup>o</sup>	8.77	In H. @ 3.30 <sup>am</sup>
"	8	.. 6	57 <sup>o</sup>	2.47	- Racked -

No. 4 Run.

Ale.

Sept. 5.<sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B.C.<sup>32</sup>); (20 B.C. + 20 B.C. <sup>32</sup> 4<sup>32</sup>); (20 Kent<sup>32</sup>) = 90 lbs

6 S - 6 M - 1.5 K. M. S. - 1.5 P.

7 <sup>am</sup>	Mash - $\frac{124}{36}$	First run - 20.7?
7.48.	Unlilt - $\frac{210}{8}$ ; Steep - 9 $\frac{1}{2}$	Last .. - 1.6?
8.53.	Set Taps, Heat - 154°	Water - 36
	Sponge - $\frac{170}{69}$ ; Hops $\frac{170}{2}$	69
		2
		<hr/> 115

Into Cys.	Out of Cys.	Balling.
98 lbs.	- 11 -	87 lbs.
		13.85?

Least - # 80 Brew (46 lbs. + 1 $\frac{1}{2}$ T.)	Air - 1 $\frac{1}{4}$
--	-----------------------

Time	Day	Date	Temp.	Balling	Remarks
4.30 P.M.	2	Sept. 6	62°	13?	B.H. @ 9.30 <sup>am</sup> (Lab)
7.30 <sup>am</sup>	3	" 7	67°	10.4?	Dult. @ 12 <sup>noon</sup> (Lab)
4.30 P.M.	"	" "	67 $\frac{1}{2}$	8.25?	
7.30 <sup>am</sup>	4	" 8	69 $\frac{1}{2}$	5.4?	1
9.45 <sup>am</sup>	"	" "	"	5.1?	Atten. quite fast.
6 P.M.	"	" "	"	4.3?	1 <sup>st</sup> skin @ 7 P.M.
7 P.M.	5	" 9	"	3.65?	
7.30 <sup>am</sup>	7	" 11	"	2.95?	
" "	8	" 12	60 $\frac{1}{2}$	2.9?	
" "	9	Sept. 13	57°	2.8?	- Racked -



No. 7 Run.

Ale.

Sept. 6. <sup>th</sup>

Malt - 5,000 lb. C. M. Co.  
 Hops - (30 B.C.), (20 B.C. + 20 B.C. Hg.); (20 Kent) = 90 lb.  
 BS - 6 M - 1.5 K. M. S. - 1.5 P.

7<sup>am</sup> Mash -  $\frac{145}{36}$   
 7.45 - Muddle -  $\frac{210}{8}$ ; Steam -  $9\frac{2}{3}$   
 8.33.. Set Taps; Heat -  $154^{\circ}$   
 Sarge -  $\frac{120}{69}$ ; Hops -  $\frac{170}{7}$

First run - 20.8%  
 Last - 1.6%  
 Water -  $\frac{36}{8}$   
 69  
 1  
 114

Intr. Cop. 98 lbs. -  $10\frac{1}{2}$  - Out of Cop. 8  $\frac{1}{2}$  lbs. Balling 14%

Yeast - \* 81 Bow (46 lbs. + 12 7.) Air -  $1\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Sept. 7	60 $\frac{1}{2}$	13.65%	B. H. @ 6.15 <sup>am</sup>
4.30 P.M.	"	"	62	12.7%	"
7.30 <sup>am</sup>	3	" 8	61	9.05%	In lt. @ 6 <sup>am</sup>
4.30 P.M.	"	"	"	6.6%	"
7.30 <sup>am</sup>	4	" 9	"	3.95%	1 <sup>st</sup> skin @
" "	6	" 11	63	2.45%	"
" "	7	" <del>12</del>	"	"	"
" "	8	Sept. 13	57	2.43%	- Recheit

No. 9 Run.

Sparkling Ale.

Sept. 7.<sup>th</sup>

Malt - 4500 lbs. C. M. C.

Hops - (20 B.C.), (20 Bavarian<sup>(175)</sup> + 15 B.C. Hops.), (20 Kents<sup>50</sup>) = 75 lbs.

S.S. - 6 M - 1.5 K. M. S.

Mash -  $\frac{145}{32}$ Mundlet -  $\frac{24}{8}$ ; Steam - 8'

Set 20s; Heat - 153°

Sparge -  $\frac{170}{67}$ ; Hops -  $\frac{170}{2}$ 

First runs - 20.4%

Last - 1.15%

Water - 32

8

69

2

111

Into Cys.

96 lbs.

- 11 $\frac{1}{2}$  -

Out of Cys.

84 $\frac{1}{2}$  lbs.

Balling.

13.05%

Yeast - #82 Beer (50 lbs. + 1 $\frac{1}{2}$  T.)

Air - 14'

Time	Day	Date	Temp.	Balling	Remarks.
7:30 <del>am</del>	2	Sept. 8			B. H. @ 9:10. <del>(alt)</del>
4:30 P.M.	"	"	62°	12.3%	
7:30 <del>am</del>	3	" 9	67 $\frac{1}{2}$ °	9.9%	2 <sup>nd</sup> H. @
" "	5	" 11	69°	2.8%	
" "	6	" 12	66°	2.55%	
" "	8	Sept. 14	58°	2.5%	- Rashed -



No. 3 run.

Stout.

Sept. 11.  
Aug.

Malt - 5000 lb. C. M. G. & 250 lb. B. Barley.  
 Hops - (30 B. C.), (20 Bav. & 20 B. C. G. G.); (20 Kent<sup>3</sup>) = 90 lb.  
 6<sup>W</sup> - 6 M - 1.5 K. M. S. - 112 P. - 9. wet - 4; C. wet - 3; S. wet - 2.

7 <sup>am</sup>	Kash - $\frac{145}{38}$		First runs - 20.9?
7.49	Undrilt - $\frac{210}{8}$	Steam - $10\frac{3}{4}$	Lost .. - 1.9?
8.34	Steamer $\frac{120}{2}$ Heat - 156		Water - 38
	Sponge - 70	Hop - $\frac{120}{2}$	70
			2
			118

Into Cys.	Out of Cys.	Balling.
100 blbls.	- 10 $\frac{1}{2}$ - 89 $\frac{1}{2}$	14.4?

Least - \* 8 H Brew (46 lb. + 1 $\frac{1}{2}$  T.)      Oil - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	Sept. 12	60°	13.95?	B. H. @ 4.45 P.M.
4.30 P.M.	"	"	62 $\frac{1}{2}$ °	12.9?	
7.30 <sup>am</sup>	3	" 13	69°	9.1?	Undrilt. @ 6 <sup>am</sup>
4.30 P.M.	"	"	"	6.6?	
7.30 <sup>am</sup>	4	" 14	"	4.5?	1 <sup>st</sup> skin @ 10.30 <sup>am</sup>
4.30 P.M.	"	"	"	4.1?	
7.30 <sup>am</sup>	5	" 15	68 $\frac{1}{2}$ °	3.65?	
" ..	8	<u>Sept. 11</u>	57 $\frac{1}{2}$ °	<u>3.3?</u>	- <u>Rachef</u> -

No. 8 Run.

Alc.

Sept. 12. <sup>th</sup>

Malt - 5000 lb. C. M. Co.

\* Hops - (30 Fuggles); (20 B<sup>75%</sup> + 20 B. C. G<sup>100%</sup>); (20 Kents) = 90 lb  
6 S - 6 M - 1.5 K. M. S. - 1.5 P.

7 <sup>am</sup>	Kash - $\frac{14\frac{1}{2}}{36}$	First run - 20.9?
7.49	Underlet - $\frac{8.10}{8}$ ; Steam - 9 $\frac{1}{2}$	Last - 1.9?
8.54	Set Taps; Heat - 15 $\frac{1}{2}$	Water - 36
	Sparg - $\frac{110}{69}$ ; Hop - $\frac{120}{2}$	8
		69
		2
		<u>115</u>

Into C <sup>g</sup> .	Out of C <sup>g</sup> .	Balling.
98 lbs.	- 10 $\frac{1}{2}$ -	13.8?
		57 $\frac{1}{2}$

Least - * 84 Brew (46 lb. + 1 $\frac{1}{2}$ T.)	Air - 1 $\frac{1}{4}$
---	-----------------------

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Sept. 13	60°	13.15?	B.H. @ 5.15 <sup>am</sup>
4.30 P.M.	"	"	61 $\frac{1}{2}$	12.3?	
7.30 <sup>am</sup>	3	"	69°	9.4?	Inlet - at 7.30 <sup>am</sup>
4.31 P.M.	"	"	"	5.85?	
7.30 <sup>am</sup>	4	"	10°	3.3?	1 <sup>st</sup> skim @ 6 <sup>am</sup>
4.30 P.M.	"	"	6 $\frac{1}{2}$	2.7?	
7.30 <sup>am</sup>	8	Sept. 19	5 $\frac{1}{2}$	2.2?	- Rashed -



No. 10 Jun.

Al.

Sept. 13<sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B.C. Ingles.); (20 Pavo. &amp; 20 B.C. Gg.); (20 Kent.) = 90 lbs.

65° - 6 M - 1.5° K. U.S. - 1.5° P.

7<sup>am</sup> Mash -  $\frac{145}{36}$   
 7.49. Underht -  $\frac{210}{8}$ ; Steam -  $9\frac{1}{2}$   
 8.34. Set Taps; Heat -  $154^{\circ}$   
 Sparg -  $\frac{120}{69}$ ; Hg -  $\frac{120}{2}$

First runs - 20.89  
 Last " - 21.7  
 Water - 36  
 8  
 69  
 2  
 115

Inlt. Cps. - 98 lbs. - 11 - Out of Cps. - 87 lbs.

Balling - 13.89

Least - \* 85 Brew (16 lbs. + 1 1/2 f.)

Al - 14.

Time	Day	Date	Temp.	Balling	Remarks
7.45 <sup>am</sup>	2	Sept. 14	66°	13.15 <sup>9</sup>	B. H. @ 4.30 <sup>am</sup>
4.30 P.M.	"	"	62 1/2	12.2 <sup>9</sup>	
7.30 <sup>am</sup>	3	" 15	69°	8.35 <sup>9</sup>	In lt. @ 5.45 <sup>am</sup>
4.30 P.M.	"	"	"	5.8 <sup>9</sup>	
7.30 <sup>am</sup>	4	" 16	"	3.15 <sup>9</sup>	1 <sup>st</sup> skim @ 5.30 <sup>am</sup>
"	8	Sept. 20	56 1/2	2.1 <sup>9</sup>	Racked -

No. 4 run.

Sparkling Ale.

Sept. 18.

Malt - ~~5000~~<sup>4500</sup> lbs. C. H. Co.\* Hops - (20 B.C. Fuggle.); (25 Baw. + 10 B.C. Gd.); (20 Kent) = ~~75~~  
= 75 lbs.

S.S. - 6 M. - 1.5 K. M.S.

7 am

Wash -  $\frac{145}{33}$ 

First runs - 20.7%

7.50..

Mudlet -  $\frac{210}{8}$ ; Steam - 8 1/4

Last " - 1.4%

8.33..

Set Taps; Heat - 153°

Water -  $\frac{33}{8}$ Sparge -  $\frac{120}{68}$ ; Hops  $\frac{120}{2}$ 

68

2

111

Inlet Cys.

Out of Cys.

Balling.

96 lbs.

- 11 -

85 lbs.

13.05%

Least - \* 87 Brew (46 lbs. + 1 1/2 T.)

Air - 1 1/4

Time	Day	Date	Temp	Balling	Remarks
7.30 am	2	Sept. 19	61°	12.45%	B.H. @ 4.15 am
4.30 P.M.	"	"	63 1/2°	11.55%	
7.30 am	3	" 20	69°	6.65%	2 lt. @ 1.30 am
4.30 P.M.	"	"	"	4.25%	1 skin @ 11 am
7.30 am	4	" 21	"	2.6%	
4.40 P.M.	"	"	67°	2.25%	
7.30 am	5	" 22	65°	2.15%	
7.30 am	8	Sept. 25	56 1/2°	2%	- Reached -



No. 7 run.

Alc.

Sept. 19/33

Malt - 5000 lb. C. M. Co.  
 Hops - (30 <sup>31</sup> Fuggles); (20 <sup>31</sup> Bais + 20 <sup>31</sup> B.C. Hops.); (20 <sup>31</sup> Kents) = 90 lbs.  
 6 S - 6 M 1.5 K. M. S. - 1.5 P.

Kash -  $\frac{141}{36\frac{1}{2}}$   
 Under -  $\frac{214}{8}$ ; Steam -  $9\frac{1}{2}$   
 Steam Sol Hops; Heat -  $153\frac{1}{2}$   
 Sauge -  $\frac{170}{8\frac{1}{2}}$ ; Hy -  $\frac{170}{2}$

First runs - 20.5%  
 Last .. - 1.75%  
 Water -  $36\frac{1}{2}$   
 68 $\frac{1}{2}$   
 2  
 115

Out of Cop. 98 lbs. - 11 $\frac{1}{2}$  -  
 Out of Cop. 86 $\frac{1}{2}$  lbs.

Balling. 13.8%

Yeast - \* 87 Brew (46 lb + 1 $\frac{1}{2}$  F.)

Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	2	Sept. 20	60°	13.15%	B. H. @ 4. am
4.30 P.M.	-	-	62 $\frac{1}{2}$	12.15%	
7.30 am	3	" 21	69°	8.0%	L. H. @ 4.45 am
4.30 P.M.	"	"	"	5.4%	
7.30 am	4	" 22	"	3.15%	1 <sup>st</sup> skin @ 5 am
4.30 P.M.	"	"	"	2.6%	
7.30 am	5	" 23	67°	2.3%	
" "	8	Sept. 26	57°	2.15%	- Racked -

No. 9 Jun.

Alc.

Sept. 20<sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 Fuggles), (20 Bais. + 20 B. C. Hops); (20 Kents) = 90 lbs.

6 S - 6 M 1.5 H. M. S. - 1.5 P.

7<sup>am</sup> Mash -  $\frac{148''}{36\frac{1}{2}}$   
 7.49 - Underbit -  $\frac{916''}{8}$ ; Steam -  $10\frac{1}{4}$   
 8.35 - Set Taps; Heat -  $154^{\circ}$   
 Sponge -  $\frac{170''}{68\frac{1}{2}}$ ; Hop -  $\frac{170''}{2}$

First run - 20.8?  
 Last " - 1.7?  
 Water -  $36\frac{1}{2}$   
 8  
 68 $\frac{1}{2}$   
 2  
 115

Into Co.  
 98 lbs.

- 12 -

Out of Co.  
 86 lbs.

Balling  
 14%

Heat - \* 88 Brew (46 lbs. +  $1\frac{1}{2}$  F.)

Air -  $1\frac{1}{4}$ '

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Sept. 21	60 $\frac{1}{2}$	13.45?	B.H. @ 4.45 <sup>am</sup> =
4.30 P.M.	"	"	62 $\frac{1}{2}$	12.5?	
7.30 <sup>am</sup>	3	" 22	69 <sup>o</sup>	8.6?	Inlt. @ 5 <sup>am</sup>
4.30 P.M.	"	"	"	6.15?	
7.30 <sup>am</sup>	4	" 23	"	3.65?	
" "	8	<u>Sept. 27</u>	57'	2.25?	<u>Reached</u>



No. 3 run.

Al.

Sept. 25<sup>th</sup>

Malt - 5000 lb. C. M. Co.

Hops - (30<sup>31</sup> Fuggles); (20<sup>21</sup> Bav. + 20<sup>31</sup> B. C. Poly); (20<sup>31</sup> Kent) = 90 lb.6<sup>5</sup> - 6<sup>h</sup> - 1.5 K. M. S. - 1.5 P.

7<sup>am</sup> Mash -  $\frac{148}{36\frac{1}{2}}$   
 7.46 " Underlet -  $\frac{111}{4}$ ; Steam -  $10\frac{1}{4}$   
 8.31 " Set Taps; Heat -  $154\frac{1}{2}$   
 Spruce -  $\frac{171}{6\frac{1}{2}}$ ; Hop -  $\frac{171}{2}$

First run - 21.4?  
 Last .. - 1.6?  
 Water - 36 $\frac{1}{2}$   
 $\frac{8}{8}$   
 $\frac{68\frac{1}{2}}{2}$   
 115

Into Cys.

98 lbs

- 11 -

Out of Cys.

87 lbs

Balling.

14?

Leant - X 98 Brew (46 lb + 1 $\frac{1}{2}$  f.)

Air - 14?

Time	Day	Date	Temp.	Balling	Remarks.
7.31	2	Sept. 26	60	13.45?	B.H. @ 4 <sup>am</sup>
4.30 P.M.	"	"	62 $\frac{1}{2}$	12.45?	
7.30	3	" 27	61	8.15?	In lt. @ 4.15 <sup>am</sup>
4.30 P.M.	"	"	"	5.5?	
7.30	4	" 28	"	3.4?	1 <sup>st</sup> skin @ 5 <sup>am</sup>
"	8	<u>Oct. 22</u>	57	<u>2.2?</u>	<u>- Racked -</u>

No. 87 un.

Ale.

Sept. 26<sup>th</sup>

Malt - 5000 lb. C. M. Co.

Hops - (30 Fuggles); (20 Bais. + 20 B.C. Hops.); (20 Kent.) = 90 lb.

6S - 6H - 1.5K. M.S. - 1.5P.

7<sup>am</sup> Mash -  $\frac{148}{36\frac{1}{2}}$   
 7.45. Underlet -  $\frac{210}{8}$ ; Steam - 10'  
 8.31. Set Taps; Heat - 154°  
 Sparg -  $\frac{170}{69}$ ; Hop -  $\frac{171}{2}$

First run - 20.85?  
 Last " - 1.65?  
 Water - 36 $\frac{1}{2}$   
 8  
 69  
 2  
 115 $\frac{1}{2}$

Into Cyp.

98 $\frac{1}{2}$  hll.

Out of Cyp.

- 11 -

87 $\frac{1}{2}$  hll.

Balling.

13.8?

Yeast - \* 90 Brew (46 lb. + 1 $\frac{1}{2}$  F.)Air - 1 $\frac{1}{4}$ '

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Sept. 27	60°	13.7?	B.H. @ 5 <sup>am</sup>
4.30 P.M.			62 $\frac{1}{2}$	12.10?	
7.30 <sup>am</sup>	3	" 28	69°	8.2?	Underlet @ 5.40 <sup>am</sup>
" "	4	" 29	61°	3.3?	1 <sup>st</sup> skum @ 7 <sup>am</sup>
" "	8	<u>Oct. 3</u>	57°	<u>2.2?</u>	<u>- Racked -</u>



No. 10 Run.

Stout.

Sept. 27.<sup>th</sup>

Malt - 5000 lb. C. M. Co. & 250 lb. B. V. Barley  
 Hops - (30 Pilsner), (20 Bav. & 20 B. C. Gulp.); (20 Kent) = 90 lb.  
 G.S. - 6 M - 1.5 K. M. S. - 112½ P. - G. wort - 4; Curt - 3; S. wort - 2.

7<sup>am</sup> Mash -  $\frac{145}{37\frac{1}{2}}$   
 7:51 " Underbit -  $\frac{210}{8}$  Steam - 11¼  
 8:35 " Set Pops; Heat - 155½  
 Sparge -  $\frac{178}{70\frac{1}{2}}$  & Hy -  $\frac{172}{2}$

First run - 21.17  
 Last " - 1.37  
 Water - 37½  
 8  
 70½  
 2  
 118

Out of Co. 100 lbs. - 11½

Out of Co. 88½

Balling.  
 14.47

Yeast - # 91 Brew (44 lbs. + 1½ F.)

Air - 14

Time	Day	Date	Temp.	Balling	Remarks.
7:30	2	Sept. 28	62½	13.87	B. H. @ 3.45 <sup>am</sup>
"	3	" 29	69	8.507	Dr. H. @ 2.50 P.M.
"	4	" 30	"	4.47	1 <sup>st</sup> skm @ 9 <sup>am</sup>
"	8	<u>Oct. 4</u>	57	3.257	- <u>Reached</u> -

No. 4 Run

Sparkling Ale.

Oct. 2<sup>nd</sup>

Malt - 4500 lbs. C. M. Co.  
 Hops - (20 Tuggles.) ; 25 Baw. & 10 B.C. (Edg.) ; (20 Kents) = 90 lbs  
 5 S - 6 M - 15 K. U.S. = 75 lbs.

7 am Mash -  $\frac{141}{33}$   
 7.45 " Underlet -  $\frac{210}{8}$  ; Steam -  $8\frac{1}{3}$   
 8.30 " Set Taps; Heat -  $154\frac{1}{2}$   
 Spangy -  $\frac{170}{68}$  ; Hoz -  $\frac{170}{2}$

First run - 20.6?  
 Last " - 1.3?  
 Water - 33  
 8  
 68  
 2  
 111

Out Cgs. 96 lbs.      Out Cgs. 85 lbs.      Boiling 13.2?

Least - \* 93 Baw (46 lbs. + 1 $\frac{1}{2}$  7.)      Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Boiling	Remarks.
7.30	2	Oct. 3	61°	12.25?	B.H. @ 4.15 am
7.30 AM	3	" 4	61°	6.5?	Inlet @ 1.30 AM.
4.30 P.M.	-	-	"	4.3?	1 $\frac{1}{2}$ skin @ - (Cask)
7.30	4	" 5	"	2.8?	
-	5	" 6	64°	2.3?	
"	9	<u>Oct. 10</u>	57°	1.8?	- Racked



No. 7 run.

Ale.

Oct. 2<sup>3</sup>nd

Malt - 5000 lbs. C. M. Co.

Hops - (30 Frigles); (20 Bais + 20 B. C. Hg); (20 Kent) = 90 lbs.

65 - 6 M - 1.5 K. M. S. - 1.5 P.

7 am Mash -  $\frac{141}{36\frac{1}{2}}$   
 7.50 Hydrolit -  $\frac{210}{8}$ ; Steam - 10.  
 8.35... Set Taps. Heat -  $\frac{154\frac{1}{2}}$   
 Sponge -  $\frac{17}{69}$ ; Hoz -  $\frac{12}{2}$

First run - 20.97

Last - 1.97

Water -  $\frac{36\frac{1}{2}}{8}$ 

69

2

115

Out of Cgn.

982 lbs. - 11 -

Out of Cgn.

882

Balling.

13.87

Yeast - From Keith. (Off Molen's 176 Bar)

Air -  $1\frac{1}{4}$ 

Time	Day	Date	Temp	Balling	Remarks.
4.30 PM	2	Oct. 4	61°	12.77	B. N. C. - 8.50 am
7.30 am	3	" 5		10.27	
4.45 PM	"	" "	67 $\frac{1}{2}$	7.857	
7.30 am	4	" 6	68 $\frac{1}{2}$	5.17	1 <sup>st</sup> skin @
" "	5	" 7	"	2.97	
" "	8	<u>Oct. 10</u>	58°	<u>2.37</u>	<u>Rocked</u>

No. 9 run.

Ale.

Oct. 4.<sup>th</sup>

Malt - 5000 lb. C. M. Co.

Hops - (30 Fuggler.); (20 Baw<sup>31</sup> & 20 B.C. <sup>32</sup> Gdg.); (20 Kent<sup>32</sup>) = 90 lb.

6 S - 6 M - 15 K. M. S. - 1.5 P.

6.57<sup>am</sup> Mash -  $\frac{145}{36}$ 7.46 .. Underlet -  $\frac{36}{8}$ ; Steam - 10'8.25 .. Set Taps; Heat -  $154\frac{1}{2}$ 'Spray -  $67\frac{1}{2}$ ' } Hyg -  $\frac{120}{2}$ 

First run - 20.65?

Last .. - 1.5?

Waters - 36

 $\frac{8}{8}$ 69 $\frac{1}{2}$ 2115 $\frac{1}{2}$ 

Dts Cop.

98 $\frac{1}{2}$  lbs.- 12 $\frac{1}{2}$  -

Dts of Cop.

86

Balling.

13.9?

Yeast - Fun Keith's (X77 Brew (M. L. M. S.)).

Air - 14

Time	Day	Date	Temp.	Balling	Remarks.
7.30	2	Oct. 5	59 $\frac{1}{2}$ '	13.5?	B, H @
4.45 P.M.	.	.	61'	12.8?	
7.30	3	" 6	66 $\frac{1}{2}$ '	10.05?	
"	8	<u>Oct 11</u>	57 $\frac{1}{2}$ '	<u>2.5?</u>	<u>- Rashed -</u>



No. 3 Run.

Ale.

Oct. 11/33

Malt - 5000 lb. D.C.M.C. <sup>32</sup>  
 Hops - (30 <sup>32</sup> Fingh), (20 Bais. & 20 B.C. G.Hg); (20 <sup>32</sup> Kauls) = 90 lb.  
 65 - 6 M - 7.5 K. U.S. - 1.5 P.

6.58<sup>am</sup> Mash -  $\frac{145}{37}$   
 7.47 Undelal -  $\frac{210}{8}$ ; Steam - 10  
 8.30 Set Taps; Heat - 153°  
 Sparg -  $\frac{120}{18}$ ; Hy -  $\frac{120}{2}$

First runs - 21.3?

Last " - 1.2?

Waters - 37

68

2

115

In to Cyp.

98 hll.

- 11 -

Out of Cyp.

87 hll.

Balling.

14.?

Leest - A 96 Brew (6 lb. + 1/2 F.)

Air - 1 1/4'

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Oct. 12	61°	13.5?	B.H. @ 5.15 <sup>am</sup>
4.30 P.M.	"	"	63°	12.75?	
7.30 <sup>am</sup>	3	" 13	61°	8.9?	2 H. @ 6.30 <sup>am</sup>
4.30 P.M.	"	"	"	6.6?	
7.30 <sup>am</sup>	4	" 14	"	4.4?	1 <sup>st</sup> skim @
" "	8	<u>Oct. 16</u>	57°	<u>3.0?</u>	- Reached -

No. 8 Run.

Ale.

Oct. 12/32

Malt - 5000 Lbs. C. M. G.

Hops - (30 Fuggles); (20 Bars + 20 B. C. Hdgs); (20 Lents) = 90 Lbs.

65° - 6 H - 1.5 K. M. S. - 1.5 P.

6.59<sup>am</sup> Mash -  $\frac{141}{37}$   
 7.47. W. Lalt -  $\frac{30}{8}$ ; Steam - 11  
 8.35. Set Taps; Heat - 154°  
 Sparg -  $\frac{116}{68}$ ; Hops -  $\frac{175}{2}$

First runs - 217  
 Last - - 17

Water - 37  
 8  
 68  
 2  
 115

In to Cys.  
 98 Lbs.

- 11 -

Out of Cys.  
 87

Balling  
 13.97

Yeast - X 97 Brew (46 Lbs. + 1½ 7.)

Air - 12

Time	Day	Date	Temp. -	Balling	Remarks.
4.30 <sup>am</sup>	2	Oct. 13	60°	12.67	B. H. C 7 <sup>am</sup>
4.30 P.M.	"	"	61½	12.87	
7.30 <sup>am</sup>	3	" 14	67°	9.87	In Lt. @
7.30 <sup>am</sup>	8	Oct. 19	67°	2.47	- Racked -



No. 107<sup>mm</sup>.

Ale.

Oct. 13/33

Malt - 5000 lbs. C. M. G.

Hops - (30 Fuggles) ; (20 Pils. &amp; 20 B.C. G. Hops) ; (20 Kent) = 90 lbs.

65 - 6 M - 4.5 K. U.S. - 1.5 P.

7.02 = Mash -  $\frac{141}{37}$ 7.46 = Underhill  $\frac{210}{8}$  ; Steam -  $10\frac{3}{4}$ 8.35 = Set Pans, Heat  $155^{\circ}$   
Purge  $\frac{13}{68}$  ; Hop -  $\frac{12}{2}$ 

First runs - 91.27

Last - 1.27

Water - 37

8

68

2

115

Into Cg.

98 lbs.

- 11 $\frac{1}{2}$  -

Out of Cg.

87 $\frac{1}{2}$ 

Balling.

14.7%

Yeast - \* 97 Brew (46 lbs. + 1 $\frac{1}{2}$  f.)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 am	- 2	Oct. 14	60°	13.457	B.H. @ 5-45 am
"	8	<u>Oct. 20</u>	57°	<u>2.07</u>	<u>Racked</u>

No. 4 Run.

Alc.

Oct. 16<sup>133</sup>

Malt - 5000 lbs. C. M. Co.

Boys - (30 Fungles); (20 Bais. + 20 B.C. Gdg.); (20 Kaut) = 90 lb.

65 - 6th - 1.5 K. N.S. - 1.5 P.

7 am

Mash -  $\frac{128}{37}$ Underhill -  $\frac{210}{8}$  Steam - 10'

Lift Temp; Heat - 154°

Sponge -  $\frac{110}{64}$  jH<sub>2</sub>O -  $\frac{170}{2}$ 

First runs - 21.1?

Last " - 1.2?

Water - 37

8

68

2

---

115Inlet C<sub>2</sub>  
98- 10 $\frac{1}{2}$  - Out. of C<sub>2</sub>  
84 $\frac{1}{2}$ Balling  
14?Leak - \* 98 Bm (46 lb + 1 $\frac{1}{2}$  F.)

Air - 14'

Time	Day	Date	Temp.	Balling	Remarks.
7.30 =	2	Oct. 17	60°	13.5?	B.H. @ 6 am
4.30 P.M.	"	"	62°	12.8?	
7.31 =	3	" 18	68°		Lt. @ 9 am
4.45 P.M.	"	"	69°	7.3?	
7.30 =	8	<u>Oct. 23</u>	57°	<u>2.05?</u>	<u>- Rashed -</u>



No. 7 Run.

Alc.

Oct. 17/33

Malt - 5000 lb. C. M. Co.

Hops - (30 Fuggles); (20 Baw<sup>22</sup> & 20 B.C. Cg<sup>22</sup>); (20 Kent<sup>22</sup>) = 90 lb.

65 - 6 M - 11.5 H. U.S - 7.5 P. - 7.2 P (x)

13 Reduction in amount of P.

7<sup>am</sup> Mash -  $\frac{145}{37\frac{1}{2}}$   
 7.50, Muckitt -  $\frac{210}{8}$ ; Steam - 14  
 8.30 - Set 7 taps: Heat -  
 Sparge  $\frac{120}{68}$ ; Hops -  $\frac{120}{2}$

First run - 21.2?  
 Last " - 1.15?  
 Water - 37 $\frac{1}{2}$   
 8  
 68  
 2  
115 $\frac{1}{2}$

Inb Cyp

98 $\frac{1}{2}$  lb.

- 11 -

Out of Cyp

87 $\frac{1}{2}$

Balling.

14.1?

Yeast - X 99 Brew (46 lb. + 1 $\frac{1}{2}$  F.)

Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	20	Oct. 18	60	13.6?	B. H. @ 5.45 <sup>am</sup>
4.45 P.M.	"	"	62	12.8?	
7.30 <sup>am</sup>	8	<u>Oct. 24</u>	57	<u>2.05?</u>	- Rashed -

No. 97. num.

Stout.

Oct. 18/33

Malt. 5000 lbs. C. M. Co + 250 lbs. B. Barley, jr  
 Hops - (30 Fuggles), 120 Pils. + 20 B. C. S. Hops; (20 Kents) = 90 lbs.  
 6 S - 6 M - 7.5 K. M. S - 112.5 P - 9. root - 4; C. root 3; S. root 2.

6.59	Heat - $\frac{146}{39}$	First runs - 21.3?
7.50	Modell - $\frac{210}{4}$ ; Steam - 11'	Last .. - 1.25?
8.35	Set 7 cups; Heat - $154^{\circ}$	Water - 39
	Grain $\frac{110}{2}$	8
	68	68
		2
		<u>118</u>

In to Cg.	Out of Cg.	Balling.
100 lbs.	- 11 -	14.95?

Yeast - \* 99 Buns (16 lbs. +  $1\frac{1}{2}$  7.) Air -  $1\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30	2	<u>Oct. 25</u>	57°	<u>3.0?</u>	<u>Rashed</u>



No. 3 run.

Sparkling Ale.

Oct. 23/13

Malt - 4500 lbs. C. M. Co.  
 Hops - (20<sup>31</sup> Fuggles); (25<sup>31</sup> Bais. & 10<sup>31</sup> B. C. O. Hops.); (20<sup>32</sup> Kent) = 75 lbs.  
 5 S - 6 M - 1.5 K. W. S.

7<sup>am</sup> Mash -  $\frac{45}{33}$   
 Mucil. -  $\frac{210}{8}$ ; Steam - 9'  
 Set Taps; Heat - 154°  
 Sparg - 68 $\frac{1}{2}$ ; Hops -  $\frac{120}{2}$

First run - 20.85<sup>d</sup>  
 Lost .. - 0.97°  
 Water - 33  
 68 $\frac{1}{2}$   
 2  
 11 $\frac{1}{2}$

Out of Coy.  
 96 $\frac{1}{2}$  lbs.

- 11 -

Out of Coy.  
 85 $\frac{1}{2}$  lbs.

Balling  
 13.07

Yeast - \* 101 Bais (46 lbs. + 1 $\frac{1}{2}$  7)

Air - 1 $\frac{1}{2}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Oct. 24	59°	12.5%	B.H. @ 7 <sup>am</sup> (late)
7.30 <sup>am</sup>	3	" 25	64 $\frac{1}{2}$	9.55%	2. H. @ <del>7<sup>am</sup></del>
7.30 <sup>am</sup>	4	" 26	69°	3.75%	1 <sup>st</sup> skin @ 8 <sup>am</sup>
7.30 <sup>am</sup>	5	" 27	68°	2.0%	
"	8	<u>Oct. 30</u>	55 $\frac{1}{2}$	<u>1.7%</u>	- <u>Racked</u> -

No. 8 Jun.

Ole.

Oct. 24/32

Malt - 5000 lbs. C.M. Co.

Hops - (30<sup>3</sup> Jugs), (20<sup>3</sup> Bava + 20<sup>3</sup> B.C. Jg.), (20<sup>3</sup> Kent) = 90 lbs.6<sup>3</sup> B - 6<sup>3</sup> H - 1.5<sup>3</sup> H. M.S. - 1.2<sup>3</sup> P. (5)

7<sup>am</sup> Mash -  $\frac{145}{37}$   
 7.45 " In dult -  $\frac{210}{8}$ ; Steam - 10 $\frac{3}{4}$ "  
 8.30 " Set Taps; Heat - 153 $\frac{1}{2}$ "  
 Sparg -  $\frac{170}{69}$ ; Hg -  $\frac{110}{2}$

First run - 21.55?  
 Last - 1.20"  
 Water - 37  
 8  
 69  
 2  
 116

In Gp.

99 lbs.

Out of Gp.

- 11 -

88 lbs.

Balling.

14.0<sup>9</sup>Yeast - \* 111 Brew (46 lbs. + 1 $\frac{1}{2}$  7.)Air - 1 $\frac{1}{2}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Oct. 25	59°	13.6 <sup>9</sup>	B.H. C 145.
7.30 <sup>am</sup>	3	" 26	64 $\frac{1}{2}$ °	10.6 <sup>9</sup>	In ht. @ 7 P.M. (late)
7.30 <sup>am</sup>	4	" 27	69 $\frac{1}{2}$ °	5.3 <sup>2</sup>	
2 P.M.	"	"	"	21.35 <sup>9</sup>	1 <sup>st</sup> skin @
7.30 <sup>am</sup>	8	<u>Oct. 31</u>	" 56"	2.25 <sup>9</sup>	- Rashed -



No. 10 run.

Alc.

Oct. 25<sup>th</sup>

Malt - 5000 lbs. C.M.C.

Hops - (30 Fuggles); (20 Bav<sup>3</sup> & 20 B.C. <sup>31</sup>); (20 Kent<sup>32</sup>) = 90 lbs.

6B - 6 M - 15K. M.S. - 12 P.

7<sup>am</sup>

Mash -  $\frac{141}{37}$

Miscel<sup>at</sup> -  $\frac{211}{8}$ ; Steam - 12'

Let Pops; Heat - 152°

Sponge -  $\frac{170}{69}$ ; Hops -  $\frac{170}{2}$

First run - 21.45<sup>5</sup>

Last - 1.19

Water - 38

61

2

116

Inlet Cg.

99<sup>1</sup> lbs. - 11 -

Outlet Cg.

88<sup>1</sup>

Balling.

13.99

Least - x 102 Ben (46 lbs. + 1 $\frac{1}{2}$  F.)

Alc - 1 $\frac{1}{2}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30	2	Oct. 26	60°	13.37	B. H @ 5 <sup>am</sup>
...	3	" 27	68°	8.45 <sup>9</sup>	2 lb. @ 9 <sup>am</sup>
	8	Nov. 1.	59°	1.99	- Racked -

1005

5-2

10





No 7 Tun.

Alc.

Oct. 31<sup>st</sup>

Malt - 5000 lb. C. M. Co.

\* Hops - (30 B.C.<sup>3</sup>); (20 Bains & 20 B.C. Gals.); (20 Kent<sup>3</sup>) = 90 lb.

68 - 6 M - 1.5 K.M.S. - 1.2 P.

7 am Mash -  $\frac{141'}{37\frac{1}{2}}$   
 7.52 - Underlight -  $\frac{91'}{8}$ ; Steam -  $11\frac{1}{8}$   
 8.40 .. Set Taps; Heat -  $153^\circ$   
 Sparg -  $\frac{17^\circ}{69}$ ; Hops -  $\frac{17^\circ}{2\frac{1}{2}}$

First runs - 21.30  
 Last - 1.30

Watts -  $37\frac{1}{2}$ 

69

2 $\frac{1}{2}$ 

117

Inlet Cys.

99 $\frac{1}{2}$  lbs-10 $\frac{1}{2}$ -

Out of Cys.

89

Balling.

13.9

Yeast - #105 Brew (46 lb. + 1 $\frac{1}{2}$  T.)Alc -  $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 am	2	Nov. 1	57°	13.45?	B.H. @ 6.45 am
7.30 am	3	" 2	64°	10.4?	2 lb. @ 5.30 P.M.
" "	4	" 3	69 $\frac{1}{2}$ °	5.0?	1 <sup>st</sup> skin @ 3.45 P.M.
" "	5	" 4	69°	2.65?	
" "	8	Nov. 7	57°	2.3?	- Racked -

No. 9 run.

Alc.

Nov. 1<sup>st</sup>

Malt - 5000 lbs. C. M. Co.

$$\text{Hops} - (30 \text{ B.C.}) ; (20 \text{ Bais} + 20 \text{ B.C. Gly}) ; (20 \text{ Kent}) = 90 \text{ lbs.}$$

$$6 \text{ S} - 6 \text{ M} - 1.5 \text{ K. M. S.} - 1.2 \text{ P.}$$
Mash -  $\frac{148}{36}$ Undulit -  $\frac{210}{8}$ ; Steam - 11'

Set 2 hrs; Heat - 154°

Sparge -  $\frac{170}{71}$ ; Hops -  $\frac{170}{2}$ 

First run - 21.2?

Last - 1.0?

Wash - 36

8

71

2

117.

Dut. Co.  
100 lbs.

Club of Co.

- 10 $\frac{1}{2}$  - 89 $\frac{1}{2}$  lbs.Balling.  
13.8?Yeast - X 106 Bann (46 lbs. + 1 $\frac{1}{2}$ ?)Air -  $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7.30 =	2	Nov. 2	59°	13.1?	B. 4 - @ 6.45 <sup>am</sup>
" "	3	" 3	65 $\frac{1}{2}$	9.8?	2 lt @ 5.30 P.M.
4.45 P.M.	-	-	<del>65</del>	7.4?	
7.30 =	4	" 4	69 $\frac{1}{2}$	4.1?	1 <sup>st</sup> skim @ 10.45 <sup>am</sup>
" "	8	<u>Nov. 10</u>	56°	1.85?	- Rashed -



No. 37mm.

Alc.

Nov. 6<sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Wops - (30 B. C. <sup>32</sup>); (20 B. C. & 20 B. C. <sup>33</sup> G. G.); (20 Kent) = 90 lbs

6S - 6M - 1st 7P - 1.5K. M. S.

NB Further reduction in amt. P.R.

6.56<sup>am</sup> Mash -  $\frac{145}{37\frac{1}{2}}$   
 7.49<sup>am</sup> Underlet -  $\frac{17}{8}$ ; Steam - 11  
 8.35<sup>am</sup> 1st Taps; Heat -  $154\frac{1}{2}$   
 Sponge -  $69\frac{1}{2}$ ; 1st Taps -  $\frac{17}{2}$

First runs - 21.57  
 Last - 1.057  
 Water - 37  
 8  
 69  
 2  
 117

Into Gp. 100 lbs. - 10 $\frac{1}{2}$  - Out of Gp. 89 $\frac{1}{2}$

Balling 14.07

Leest - #107 Brew (46 lbs + 1 $\frac{1}{2}$ .)

Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	Nov. 7	59 $\frac{1}{2}$	13.457	B. H. @ 6 <sup>am</sup>
4.36 P.M.	.	.	61°	12.857	
7.30 <sup>am</sup>	3	" 8	65 $\frac{1}{2}$	9.97	Dr. Lt. @ 5.30 P.M.
6 P.M.	"	"	69 $\frac{1}{2}$	7.---7	
7.30 <sup>am</sup>	4	" 9	69 $\frac{1}{2}$	4.757	1 <sup>st</sup> skin @ 4 P.M.
7.30 <sup>am</sup>	5	" 10	"	2.97	
"	8	<u>Nov. 13</u>	57°	<u>2.57</u>	- Racked -

No 8 run.

Ale.

Nov. 7.<sup>th</sup>

Malt - 5000 lbs. C. M. Co.  
 Hops - (30 B.C.); (20 Bav. & 20 B.C. Poly.); (20 Tank) = 90 lbs.  
 6<sup>5</sup> - 6 M - 19<sup>1</sup> P (7) - 1.5 K. M.S.

7<sup>am</sup> Wash -  $\frac{145}{38}$   
 7.49. Underlet -  $\frac{210}{8}$ ; Steam - ~~16~~ 16  
 9.00. Set hops; Heat - 150° <sup>only had 4 lbs. Pen.</sup>  
 Sparge -  $\frac{170}{69}$ ; Hop -  $\frac{170}{2}$  <sup>of steam.</sup>

Due to lack of steam, could not set hops on schedule.  
 Tanks were not up to proper temp. & as we had to wait.

First runs - 21.5?

Last - - 1.0?

Water - 38

4

69

2

117

Inlet Cyp.

Outlet Cyp.

Balling.

100 lbs. - 10 $\frac{1}{2}$  -89 $\frac{1}{2}$ 

14.05?

Yeast - \$108 Brew (46 lbs. + 1 $\frac{1}{2}$ ).Air - 1 $\frac{1}{4}$ .

Time	Day	Date	Temp	Balling	Remarks
7.30 <sup>am</sup>	2	Nov. 8	57 $\frac{1}{2}$	18.6?	B. H. @ 6.30 <sup>am</sup>
"	3	" 9	65°	10.35?	In lt. @ 6 <sup>30</sup> P.M.
6 P.M.	"	"	69°	7...?	
7.30 <sup>am</sup>	4	" 10	69 $\frac{1}{2}$	5.25?	1 <sup>st</sup> skim. @ -
4.30 P.M.	"	"	"	4.17	
7.30 <sup>am</sup>	8	<u>Nov. 14</u>	57°	<u>3.17?</u>	<u>Racked</u>



No. 10 Jun.

Stout.

Nov. 8. <sup>th</sup>

Malt - 5000 lb. C. M. C. & 250 lb. B. Barley.  
 \* Hops - (30 B. C. <sup>1/2</sup> Hops); (25 P. <sup>1/2</sup> & 15 B. C. <sup>1/2</sup> Hops); (20 Kent) = 90 lbs.  
 68 - 6 M - 1.5 K. M. S. - 112 1/2 lb. P.; C. root - 4; C. root 3 j. root - 2

6.58 = Mash -  $\frac{141}{37\frac{1}{2}}$   
 Underlet -  $\frac{210}{8}$ ; Steam - 11  
 Set Taps; Heat - 153°  
 Sparg -  $\frac{170}{69}$ ; Hops -  $\frac{120}{2}$

First runs - 21.07  
 Last - 1.757  
 Water - 39 1/2  
 8  
 69  
 2  
 118 1/2

Out of Cys.                      Out of Cys.                      Balling  
 101 lbs.                      - 11 -                      90 lbs.                      14.557

Yeast - \* 109 Brew (4 lbs. + 1 1/2 7.)                      Ali - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks
7.30 am	2	Nov. 9	60°	14.157	B. H. @ 6 am
" "	3	" 10	67°	10.37	2 lt. @ -
4.30 P.M.	"	"	69 1/2°	8. - °	
7.30 A.M.	8	<u>Nov 15.</u>	57°	<u>2.97</u> -	<u>Racked</u> -

No. 4 Jun.

Alle.

Nov. 13.

Malt - 5000 lb. C. M. Co.

Shops - (30 B.C. Gyp); (25 Bars + 15 B.C. Gyp); (20 Kent) = 90 lbs.  
 6 B - 6 M - 15 K. M.S. - 19 f. (7) f.

7<sup>am</sup> Wash -  $\frac{145}{38}$   
 7.51. Wash -  $\frac{210}{8}$ ; Steam - 11  
 8.35. Set Paper, Heat -  $153\frac{1}{2}$   
 Sponge -  $69\frac{1}{2}$ ; H<sub>2</sub>O -  $\frac{170}{2}$

First runs - 21.37  
 Last - 1.17  
 Water - 38  
 8  
 69 $\frac{1}{2}$   
 2  
 117 $\frac{1}{2}$

Into Cop.

100 $\frac{1}{2}$  lbs.

- 11 -

Out of Cop.

89 $\frac{1}{2}$

Balling.

14.17

Least - \* 110 Bar (216 lb. + 1 $\frac{1}{2}$  f.)

Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Nov. 14	61 <sup>o</sup>	13.65 <sup>7</sup>	B.H. @ 5.45
7.51 <sup>am</sup>	3	" 15	61 <sup>o</sup>	9.17	2 kt. @ 9 <sup>am</sup>
7.30 <sup>am</sup>	4	" 16	69 $\frac{1}{2}$	3.85 <sup>7</sup>	1 <sup>st</sup> skin @ 9 <sup>am</sup>
" "	5	" 17	67 $\frac{1}{2}$	2.3 <sup>7</sup>	
" "	6	" 18	62 <sup>o</sup>	2.1 <sup>7</sup>	
" "	8	<u>Nov. 20</u>	57 <sup>o</sup>	<u>1.97</u>	<u>- Racked -</u>



No. 7 Run.

Ale

Nov. 14.<sup>th</sup>

Malt - 5000 lb. C. M. Co.  
 Hops - (30 B.C. Gls.); (25 Bais + 15 B.C. Gls.); (20 Kats) = 90 lb.  
 6 S - 6 M - 1.5 K. H.S. - 1 of P. (?)

7<sup>am</sup> Mash -  $\frac{141}{38}$   
 Underlet -  $\frac{21}{8}$ ; Steam - 11  
 Set Taps Heat - 154°  
 Sponge -  $\frac{11}{70}$ ; Hyg -  $\frac{170}{2}$

First runs - 21.57  
 Last - 1.27

Water - 38  
 8  
 70  
 2  
 118

Into Cys.

Out of Cys.

Balling

101 lbs.

- 11 $\frac{1}{2}$  -89 $\frac{3}{4}$  lbs.

14.07

Yeast - \* 110 Brew (46 lbs. + 1 $\frac{1}{2}$  F.)

Air - 14°

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Nov. 15	60 $\frac{1}{2}$ °	13.45?	B. H. @ 6.15 <sup>am</sup>
" "	3	" 16	67°	9.6?	2 lb. @ 1.10 <sup>PM</sup>
" "	4	" 17	62 $\frac{1}{2}$ °	4.35?	1 <sup>st</sup> skin @ 12 Noon.
" "	5	" 18	68°	2.55?	
" "	8	Nov. 21	57°	2.2?	- Racked -





No. 3  
Nov. 20/33

Ale.

Malt - 5000 lb. C. M. Co.

Hops - (30 B. C. <sup>33</sup>); (20 Bav. <sup>33</sup> & 20 B. C. <sup>33</sup>); (20 <sup>33</sup> Kunt) = 90 lb.

6 lb - 6 M - 1.5 K. U.S. - 1 qt. (7) P.

7.05<sup>am</sup>Mash -  $\frac{148}{36\frac{1}{2}}$ Mash -  $\frac{210}{8}$ ; Steam - 11 $\frac{1}{2}$ Set Taps; Heat - 154 $\frac{1}{2}$ Spray -  $\frac{170}{70}$ ; Hyg -  $\frac{170}{2}$ 

First runs - 31.37

Last - 1.057

Water - 26 $\frac{1}{2}$ 

70

116 $\frac{1}{2}$ 

Into Cyp.

99 $\frac{1}{2}$  lb.- 10 $\frac{1}{2}$  -

Out of Cyp.

89 lb.

Balling.

13.87

Yeast - 113 Brew (46 lb. + 1:7.)

Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Nov. 21	60°	13.27	B.H. @ 5.30 <sup>am</sup>
4.30 P.M.	.	.	61 $\frac{1}{2}$	12.47	
7.30 <sup>am</sup>	3	" 22	68°	9.97	In lt. @
7.30 <sup>am</sup>	4	" 23	69 $\frac{1}{2}$	3.67	1 <sup>st</sup> skin @ 7 <sup>am</sup>
" "	5	" 24	67°	2.27	
" "	8	Nov. 27	57°	1.857	- Racked -

No. 87 run

Ale.

Nov. 21<sup>st</sup>

Malt - 5000 lbs. C.M.C.

Hops - (30 B.P. 94g.), (20 Bav. &amp; 20 B.C. 94g.); (20 Kent) = 90 lbs.

65<sup>lb</sup> - 6 M - 154 M.S. - 19 f. (7) P.6.57<sup>am</sup> Mash -  $\frac{41}{37}$ Undrillt -  $\frac{210}{8}$ ; Steam - 11 $\frac{1}{2}$ 

Set Taps; Heat - 154°

Sponge -  $\frac{128}{67\frac{1}{2}}$ ; Hy -  $\frac{17}{2}$ 

First run - 21.27

Last - 1.07

Water - 37

69 $\frac{1}{2}$ 

2

116 $\frac{1}{2}$ 

Auto Gp.

99 $\frac{1}{2}$  lbs.- 11 $\frac{1}{2}$  -

Auto Gp.

88 lbs

Balling.

14.07

Yeast - \* 114 Brew (46 lbs. + 1 $\frac{1}{2}$  f.)Air - 14 $\frac{1}{2}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Nov. 22	60 $\frac{1}{2}$	13.35 <sup>7</sup>	B.H. @ 5.45 <sup>am</sup>
" "	3	" 23	65°	9.27°	In lt. @ -
" "	4	" 24	67 $\frac{1}{2}$	4.17°	1 <sup>st</sup> skin @ 10 <sup>am</sup>
" "	8	<u>Nov. 28</u>	57°	<u>2.05<sup>7</sup></u>	<u>- Reached -</u>



No. 10 Jun.

Ale.

Nov. 22<sup>nd</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (30 B.C.<sup>3.14</sup>); (20 Bais + 20 B.C.<sup>3.14</sup>); (20 Kent) = 90 lbs.  
 60 - 6 M - 15 K. M. S. - 19 H (>) P.

7 am

Mash -  $\frac{145}{37\frac{1}{2}}$   
 Mashed -  $\frac{210}{8}$ ; Steam - 11'  
 Set Taps; Heat - 154°  
 Sparge -  $\frac{170}{70\frac{1}{2}}$ ; Hops -  $\frac{120}{}$

First runs - 21.35%  
 Last .. - 1.0%  
 Water - 37 $\frac{1}{2}$

8

70 $\frac{1}{2}$ 

2

118

Into Cys.

101 lbs.

- 11 $\frac{1}{2}$  -

Out of Cys.

89 $\frac{1}{2}$  lbs

Balling.

13.9%

Yeast - \* 115 Beem (46 lb. + 1 $\frac{1}{2}$  F.)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp	Balling	Remarks.
7.30 am	2	Nov. 23	60°	13.35%	B.H. @ 5.45 am.
"	3	" 24	67°	9.8%	Light @ 1.30 P.M.
"	4	" 25	69 $\frac{1}{2}$ °	4.7%	1 <sup>st</sup> skin @ -
"	8	Nov. 29	57°	2.2% -	Rashed -

No. 4 Run.

Ale.

Nov. 28<sup>th</sup>

Malt - 5000 lb. G. M. Co.

Hops - (30 B. C. <sup>30</sup>), (20 B. C. + 20 B. C. <sup>30</sup>); (20 Kent<sup>30</sup>) = 90 lb.6<sup>5</sup> - 6 M - 1.5 K. M. S. - 1.2(7) P

7<sup>am</sup> Mash -  $\frac{146}{39}$   
 7.53 Underbill -  $\frac{8.16}{9}$ ; Steam - 11'  
 8.40. Set 7 ga. Heat - 154°  
 Spang - 69; Top -  $\frac{170}{2}$

First run - 21.25?  
 Last " - 1.0?  
 Water - 39  
 7  
 69  
 2  
 118

Into Cys.

101 lbs.

Out of Cys.

-10 $\frac{3}{4}$  - 90 $\frac{3}{4}$  lbs.

Balling.

14.1?

Leach - \* 116 Brew (416 lbs. + 1 $\frac{1}{2}$  ?)Qui - 1 $\frac{1}{2}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.50 <sup>am</sup>	8	Dec 4	57°	1.95 $\frac{1}{6}$	- Rashed -



No. 9/um

Alb.

Nov. 29, 77

Malt - 5000 lb. C. M. Co.

Hops - (30 B.C.<sup>33</sup>); (20 Bais.<sup>32</sup> + 20 B.C. P<sup>33</sup>); (20 Kent<sup>32</sup>) = 90 lb.

6 S - 6 M - 1.5 K. N. S - 19 K (?) P.

7<sup>am</sup> Mash -  $\frac{141}{37}$   
 Underb<sup>t</sup> -  $\frac{210}{8}$ ; Steam - 11  
 Set Taps: Heat - 154°  
 Sparge -  $\frac{129}{70}$ ; Hops -  $\frac{170}{1}$

First runs - 21.25?

Lest - .85?

Water - 39

8

70

1

118

Total Gp.

102 Chh

- 10 $\frac{1}{4}$  -

Out of Gp.

381  $\frac{3}{4}$ 

Balling.

14.0?

Leant - \* 117 Brew (46 lb. + 1 $\frac{1}{2}$  T.)

Air - 14

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	Dec. 5	60 $\frac{1}{2}$	12.6?	B.H. @ 4 <sup>am</sup> (encl).
7.30 <sup>am</sup>	8	<u>Dec. 6</u>	57°	<u>2.0?</u>	<u>Racked</u> -

No. 107 run.

## Sparkling Ale.

Dec 4/33

Malt - 45.00 lb. C.M. Co.

Hops - (20 B.C. 3<sup>1</sup>/<sub>2</sub> gal); (25 Bav. 2<sup>1</sup>/<sub>2</sub> gal); (10 B.C. 2<sup>1</sup>/<sub>2</sub> gal); (20 Kent) = 75 lb.

5 S - 6 M - 1.5 K.U.S.

7 am Mash -  $\frac{14\frac{1}{2}}{35}$   
 Underbit -  $\frac{2\frac{1}{2}}{8}$ ; Steamer - 10'  
 Set Laps: Heat - 154'  
 Gauge -  $\frac{12\frac{1}{2}}{67}$ ; Hops -  $\frac{12\frac{1}{2}}{2}$

First run - 20.3?  
 Last - 1.35?  
 Water - 35  
 4  
 67  
 2  
 112

In to Cop.

97 $\frac{1}{2}$  lbs.

Out of Cop.

- 11 $\frac{1}{2}$  -

86 lbs.

Balling.

13.0?

Yeast - \*119 Brew (46 lb. + 1 $\frac{1}{2}$  gal.)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7:30 am	2	Dec. 5	60 $\frac{1}{2}$	12.6?	B.H. @ 4. am
"	8	Dec. 11	57	1.7?	- Racked -



No. 4 Run.

Ale.

Dec. 6. <sup>th</sup>

Malt - 5000 lbs. C. M. G.

Hops - (30 B.C. <sup>32</sup>), (20 <sup>26</sup> + 20 B.C. <sup>33</sup>); (20 Kent <sup>20</sup>) = 90 lbs.

W.S. - 6 M - 1.5 K. U.S. - 1 qt. (&gt;) P.

6.57 <sup>am</sup> Mash -  $\frac{100}{38\frac{1}{2}}$ Mash -  $\frac{20}{8}$ ; Steam - 11'

Lift Taps; Heat - 153%

Spray -  $\frac{120}{69\frac{1}{2}}$ ; Hops -  $\frac{120}{3}$ 

First runs - 20.85%

Last - 1.3%

Waste - 38  $\frac{1}{2}$ 

8

69  $\frac{1}{2}$ 

3

---

119

Into Cps.

102 lbs.

- 11 -

Out of Cps.

91 lbs.

Balling.

14.9%

Yeast - \* 120 Brew (46 lbs. + 1  $\frac{1}{2}$  F.)Air - 1  $\frac{1}{2}$ 

Time	Day	Dist	Temp.	Balling	Remarks.
7.31	2	Dec. 7	60°	13.75%	B.N. @ 6.30 <sup>am</sup>
"	8	<u>Dec. 13</u>	57°	1.85%	- <u>Rached</u> -

No. 9 run.

Ale.

Dec. 11. <sup>th</sup>

Malt - 5000 lb. C. U. C.  
 Hops - (30 B.C. <sup>20.5%</sup> <sub>10.5%</sub>); (20 Bav. + 20 B.C. <sup>33%</sup> <sub>10.5%</sub>); (20 Kent) = 90 lbs.  
 G.S. - 6 M - 1.5 K. U.S. - 19 (1/2) P.

6.57. Mash -  $\frac{141}{38}$   
 Underbed -  $\frac{210}{8}$ ; Steam - 11'  
 Set Gys. Heat - 153°  
 Sprays -  $\frac{170}{70}$ ; Hy -  $\frac{170}{2}$

First run - 21.3%  
 Last " - 1.0%  
 Water - 38  
 8  
 70  
 2  
 118

Inlet Gys. At 17 Gys.  
 102 1/2 hbb - 10 - 92 1/2

Balling  
 13.75%

Wheat - \* 121 Brew (46 lbs. + 1 1/2)

Air - 1 1/4'

Time	Day	Date	Temp	Balling	Remarks
7.50	2	Dec. 12		13.35%	B.H. @ 5.00
"	3	" 13	66 1/2°	9.6%	
"	4	" 14	69 1/2°	4.8%	1 <sup>st</sup> skin @ -
"	8	<u>Dec 18</u>	57°	<u>2.15%</u>	<u>- Rashed -</u>



No. 3 run.

Stout.

Dec. 13, '74

Malt - 5000 lbs. C.M.C. & 250 lbs. B-Barley,  
 Hops - (30 B.C.  $\frac{20 \frac{1}{2} \text{ in.}}{10 \cdot 3 \cdot 1}$ ), (20 Bar. & 20 B.C. Gals); (20 Kents) = 90 lbs.  
 6 S - 6 M - 1.5 K.M.S - 112  $\frac{1}{2}$  P. - G. root - 4; C. root - 3; S. root - 2.

6.57<sup>am</sup> Mash -  $\frac{141'}{39 \frac{1}{2}'}$ 

First run - 21.55?

7.50.. Muddled -  $\frac{9'0''}{8}$ ; Steam - 13'

Last ~ - 1.27.

8.35 Set Taps; Heat - 15.4'

Water - 39  $\frac{1}{2}$ Spongy -  $\frac{12'}{70}$ ; Hops -  $\frac{12'}{2}$ 

70

2

119  $\frac{1}{2}$ 

Inlet Gp.

Outlet Gp.

Balling.

103  $\frac{1}{2}$  hbl.- 10  $\frac{1}{2}$  -

93 hbl.

14.6?

Yeast - \* 122 Buns (46 lbs. + 1  $\frac{1}{2}$  7)Air - 1  $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	Dec. 14	68	14.2?	B-H-Q 6.50 <sup>am</sup>
" "	8	<u>Dec. 20</u>	57°	<u>2.75?</u>	- <u>Rachet</u>





No. 4 Run.

Ale.

Dec. 20

Malt - 5000 lb. C. M. Co.

Hops - (30 B.C. <sup>2</sup>); (20 B.C. <sup>2</sup>); (20 B.C. <sup>3</sup>); (20 Kent) = 90 lb.

65 - 6 M - 1.5 - K. U.S. - 19 (1) P.

7<sup>am</sup> Mash -  $\frac{141}{38}$   
 Underlet -  $\frac{816}{8}$ ; Steam -  $11\frac{1}{2}$   
 Set Top; Heat -  $153\frac{1}{2}$   
 Sparge -  $69\frac{1}{2}$ ; Hop -  $\frac{120}{2}$

First runs - 21.05

Last - 1.46

Water - 38.7

69.2

2

118

Into Cys.

102 Gall

- 11 -

Out of Cys.

91 Gall.

Balling.

13.7

Heat - \* 124 Brew (46 lbs. + 1/2 F.

Air -  $1\frac{1}{2}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Dec. 21	60	13.27	B. H. C. 6 <sup>am</sup>
7.30 <sup>am</sup>	3	" 22	66°	9.37	2 lt. @ 1.30 P.M.
" v.	8	Dec. 27	57°	2.07.	- Rashed -

No. 9 run

Sparkling Ale.

Dec. 27<sup>th</sup>

Malt - 45.00 lbs. C. M. Co.  
 Hops - (~~18~~<sup>5.80<sup>30</sup></sup> ~~7~~<sup>1.10</sup> ~~1~~<sup>0.10</sup>); (25 Baw. <sup>'31</sup> + 10 B. C. <sup>'35</sup> Hg.); (20 Kents <sup>'32</sup>) = 75 lbs.  
 5 S - 6 M - 1.5 H. M. S.

6.58 <sup>am</sup>	Med - <sup>141</sup> 34	First run - 20.8%
7.47	Mudalt - <sup>31</sup> 9; Steam - 10	Last - .09%
8.33	Set Taps; Heat - 154°	Water - 34
	Sponge - <sup>170</sup> 69; Hg. - <sup>171</sup> 2	8
		69
		2
		<u>113</u>

In to Cyo.		Out of Cyo.	Balling
97 lbs.	- 11 -	86 lbs.	13.05%

Yeast - From Keith's (46 lbs. + 1 1/2 lb.)      Air - 1 1/4

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Dec. 28	60°	12.77	B.H. @ 6.00 am.
4.33 P.M.			61°	11. - 7	
7.30 <sup>am</sup>	3	29	66°	8.67	2 lt. @ -
	8	<u>Jan 3</u>	57°	<u>1.77</u>	<u>- Rashed -</u>



No. 37 un.

Alc.

Dec. 28<sup>th</sup>

Malt - 5000 lb. C. M. Co.  
 Hops - (10 B.C. <sup>20</sup>); (20 B. <sup>32</sup>); (20 B. <sup>40</sup> + 20 B.C. <sup>40</sup>); (20 Kents) = 90 lb.  
 6 S - 6 M - 1 - K. M. S. - 1 q (17 P.)

6.58	Mash - $\frac{148}{38}$	First run - 21.5%
7.50	Undrht - $\frac{21}{8}$ ; Steam - $11\frac{3}{8}$	Last - 1.1%
8.35	Set Taps, Heat - 155°	Water - 38
	Sparge - $\frac{170}{69}$ ; Hg - $\frac{170}{2}$	69
		2
		<u>117</u>

Inb Gp.	Out of Gp.	Balling
101 lbs.	- 11 (leak) 90 lbs.	13.9%

Least - Keith's (46 lb. + 12 1/2 P.)      Air - 14°

Time	Any	Date	Temp.	Balling	Remarks
7.51	2	Dec. 22	60°	13.6%	B.H. @ 6.13
	8	Jan. 4.	57°	2.1%	- Racked -

No. 10 Run.

Stout.

Jan. 3/34

Malt - 5000 lbs. C.M.C. & 250 lbs. B. Barkly.  
 Hops - (10<sup>207</sup> B.L. <sup>112</sup>); (20<sup>3</sup> Bais. & 20<sup>3</sup> B.C. Galp. <sup>33</sup>); (20<sup>3</sup> Vant) = 90 lbs.  
 G.S. - 6 M - 1.5 K. M.S. - 112 1/2 P. - 9. w.t. - 4; C. w.t. - 3; S. w.t. - 2

6.59<sup>00</sup> Mash - <sup>14</sup>/<sub>40</sub>  
 Undrill - <sup>20</sup>/<sub>8</sub>; Steam - 13  
 Set Hops; Heat - 154°  
 Sparge - <sup>120</sup>/<sub>69</sub>; Hg - <sup>110</sup>/<sub>2</sub>

First run - 21.67  
 Last " - 1.37  
 Water - 40  
 8  
 67  
 2  
119

Out of Cg.                      Out of Cg.                      Belling.  
 103 1/2 lbs.                      - 9 1/2 -                      94 lbs.                      14.57

Yeast - #128 Brew (46 lbs + 1 1/2)                      Air - 1 1/4

Time	Day	Date	Temp.	Belling	Remarks.
7.30 <sup>00</sup>	2	Jan. 4	60°	14.05?	B.H. @ 6.30 <sup>00</sup>
"	3	" 5	67 1/2°	9.87?	2 lt. @ 10.30 <sup>00</sup>
4.30 P.M.	"	"	69 1/2°	7.15?	
7.30 <sup>00</sup>	4	" 6	"	4.55?	1 <sup>1</sup> / <sub>2</sub> skin @ -
"	8	Jan 10.	57°	2.77 <sup>00</sup>	- Rashed -



No. 9 Jan.

Alle

Jan 8 / 134

Malt - 5000 lbs. C.M.L.

Hops - (20  $\frac{32}{100}$  lbs. @ 103¢); (20  $\frac{31}{100}$  lbs. @ 20 B. @ 9¢); (20  $\frac{32}{100}$  lbs. @ 13¢) = 90 lbs.

6.5 - 6.11 - 1.5 - K.M.S. - 1947 P.

7.02 <sup>am</sup>	Mash - $\frac{WF}{38}$	Milk runs - 21.15%
7.57	Underbit - $\frac{2.11}{8}$ ; Steam - 11%	Lut - - 0.85%
8.40	Set eyes; Heat - 155°	Water - $\frac{38}{8}$
	Spargi - $\frac{120}{69}$ ; Hop - 2	6.9
		<u>2</u>
		<u>117</u>

In of Cpn	Out of Cpn.	Balling
101 lbs. - 10½ -	90½ lbs.	13.9%

Least - Off No's 127 + 128 Burs. (Halt + K.T.) Air - 1½'

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Jan. 9.	60°	13.35%	B.H. @ - 6.30 <sup>am</sup>
"	3	" 10	67½°	9.5%	In Lt. @
6 P.M.	"	"	69½°	7.0%	
7.30 <sup>am</sup>	4	" 11	"	4.55%	1 <sup>st</sup> skin @
"	8	<u>Jan. 15</u>	57°	<u>2.2%</u>	- Racked -

No 10 Run.

Ale.

Jan. 17<sup>th</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (20 Fuggles<sup>32</sup> + 10 B.C.<sup>31</sup>); (15 B.P.<sup>1133</sup> & 20 B.C. 9<sup>32</sup>); (20 Kent<sup>32</sup>) = 85

6 S - 6 M - 1.5 K. M. S. - 19 H. P.

6.57<sup>am</sup> Mash -  $\frac{148}{38\frac{1}{2}}$ Mash -  $\frac{212}{8}$ ; Steam - 11'

Set Taps Heat - 153°

Sparge - 68 $\frac{120}{}$ ; Hg -  $\frac{110}{2}$ 

First runs - 21.3%

Last - 1.0%

Water - 38 $\frac{1}{2}$ 

8

68

2

116 $\frac{1}{2}$ 

In to Cg.

101

Out of Cg.

- 10 $\frac{1}{2}$  -90 $\frac{1}{2}$ 

Balling.

13.8%

Yeast - 1/30 Brew (46 lbs. + 1 $\frac{1}{2}$  p.)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Jan. 18		13.6%	B. M. @ 6.10 <sup>am</sup> .
"	3	" 19	67°	9.5%	2 lt. @ 12 <sup>noon</sup> .
6 P.M.	3	" -	69 $\frac{1}{2}$	6.1%	
7.30 <sup>am</sup>	4	" 20	69 $\frac{1}{2}$	3.9%	1 <sup>st</sup> skin @ 10.45 <sup>am</sup>
7.30 <sup>am</sup>	6	" 22	-	2.6%	
"	8	Jan 24	57°	1.95%	- Racked -



No. 4 run.

Ale.

Jan. 18/3

Malt - 5000 lbs. C. M. Co.

Hops - (20 Fuggles + 10 B.C. "1"), (15 B.C. "1" + 20 B.C. "4"), (20 B.C. "5") = 85

6 S - 6 M - 1.5 K. U. S. - 1 qt. (5) P.

6.59<sup>am</sup> Mash -  $\frac{145}{38\frac{1}{2}}$ Mash -  $\frac{210}{8}$ ; Steam -  $11\frac{3}{4}$ Spt. Temp. & Heat -  $154^{\circ}$ Foamy -  $\frac{170}{67\frac{1}{2}}$ ; Hop -  $\frac{170}{2}$ 

First run - 21.4

Last - 1.1

Water - 38

8

6

2

116

2<sup>nd</sup> Cp.

Out of Cp.

100  $\frac{1}{2}$  lbs.- 10  $\frac{1}{2}$  -

90 lbs.

Balling

13.97

Yeast - \* 130 Brew (46 lbs. + 1  $\frac{1}{2}$  T.)Air -  $1\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	Jan 19	57 $\frac{1}{2}$	13.67	B.H @ 6.30 <sup>am</sup>
" "	3	" 20	65	10.35?	2 <sup>nd</sup> H @ 6.12 M.
9.30	4	" 21	69 $\frac{1}{2}$	- - -	stopping -
7.30 <sup>am</sup>	8	<u>Jan 25</u>	57	1.95?	- Racked -

No. 3 Am.

Ale.

Jan. 23<sup>rd</sup>

Malt - 5000 lbs. C. M. Co.

Hops - (20 Fuggles<sup>32</sup> + 10 B.C.<sup>31</sup>); (15 B.C.<sup>33</sup> + 20 B.C.<sup>34</sup>); (20 Kent<sup>31</sup>) = 85 lbs.

6 S - 6 M - 7.5 K. M. S. - 1 qt. G.P.

6.59<sup>am</sup> Mash -  $\frac{145}{37\frac{1}{2}}$ 7.47. Muddled -  $\frac{210}{8}$ ; Steam - 13 $\frac{1}{4}$ 

8.15. Let saps; Heat - 154°

Sparge -  $\frac{170}{67}$ ; Hop -  $\frac{170}{2}$ First runs - 21.25<sup>g</sup>Last - 1.25<sup>g</sup>Water - 35<sup>g</sup>

67

2

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115<sup>g</sup>

Into Cyp.

100 lbs.

Out of Cyp.

90 lbs.

Balling.

14.0<sup>g</sup>Heat - #131 Brew (46 lbs. + 1 $\frac{1}{2}$  F.)Air - 14<sup>g</sup>

Time	Day	Date	Temp.	Balling	Remarks.
7.31 <sup>am</sup>	2	Jan. 24	60°	13.6 <sup>g</sup>	B.H. @ - 7 <sup>am</sup>
"	3	" 25	66 $\frac{1}{2}$ °	10.0 <sup>g</sup>	2 lb. @ 2 P.M.
"	4	" 26	69 $\frac{1}{2}$ °	4.6 <sup>g</sup>	
1.45 <sup>pm</sup>	"	"	"	3.9 <sup>g</sup>	1st skin @ 3 <sup>pm</sup>
7.30 <sup>am</sup>	8	<u>Jan 30</u>	57°	<u>2.1<sup>g</sup></u>	- Rashed -



No. 9 Run.

Alc.

Jan. 30<sub>134</sub>

Malt - 5000 lbs. C. M. Co.  
 Hops - (20 Juggs<sup>31</sup> & 10 B. C.<sup>31</sup>), (15 B. C. & 20 B. C. <sup>33</sup>); (20 Kent<sup>32</sup>) = 85 lbs.  
 6 S - 6 U. - 1.5 K. U. S. - 17 (7) P.

6.57<sup>am</sup> Mash -  $\frac{14.1}{38.2}$

Undrill -  $\frac{2.10}{8}$ ; Steam - 13'

Set Lags, Heat - 154°

Sparge -  $\frac{120}{67}$ ; Hsp - 2

First runs - 91.2%

Lost " - 1.1%

Water - 382

8

67

2

115 1/2

Inlet Gp.

100 lbs.

- 10 1/2 -

Out of Gp.

89 1/2 lbs.

Balling

13.9%

Least - \* 133 Brew (46 lbs. + 1 1/2 7.)

Air - 1 1/4'

Time	Day	Date	Temp.	Balling	Remarks
7 <sup>31</sup> am	2	Jan. 31	60°	13.9%	B. N. @ 6.45 am
"	3	Feb. 1	65°	10.1%	Inlet @ -
"	4	" 2	69 1/2°	4.35%	1 <sup>st</sup> skin @ 11.25 am.
"	5	" 3	67 1/2°	2.3%	
"	8	Feb. 6	57°	1.9%	- Racked -

No. 10, Jun.

Ale.

Feb. 6<sup>th</sup>

Malt - 5000 lbs. C. M. Co.  
 Hops - (20 Fuggles<sup>32</sup> + 10 B. P.<sup>21</sup>); (15 B. P.<sup>23</sup> + 20 B. P.<sup>23</sup>); (20 Kents<sup>32</sup>) = 85 lb.  
 68 - 6 H. - 15 K. U. S. - 1 pt. O.P.

6.57<sup>am</sup> Mash -  $\frac{148}{38}$ Undrill -  $\frac{210}{8}$  Sltam -

Set Pans, Heat - 153°

Sparge -  $\frac{120}{67\frac{1}{2}}$ ; Hsp -  $\frac{170}{2}$ 

First runs - 21.1?

Last - 1.35?

Water - 38

8

67 $\frac{1}{2}$ 

2

115 $\frac{1}{2}$ 

Into Cyp.

100 lbs.

Out of Cyp.

- 10 -

90

Balling

\* 13.7?

\* Low Balling - small boil down

Yeast - \* 134 Brew (46 lbs + 1 $\frac{1}{2}$  7)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.31 <sup>am</sup>	2	Feb. 7	60°	13.4?	B. N. @ 6.45.
"	3	" 8	65 $\frac{1}{2}$ °	9.8?	In ht. @
"	4	" 9	69 $\frac{1}{2}$ °	3.85?	1 $\frac{1}{2}$ skin @ 9.15 am
"	8	<u>Feb. 13</u>	57°	<u>1.7?</u>	<u>- Rashed -</u>



No. 4 run.

Ale.

Feb. 13 | 34

Malt - 5000 lbs. C. M. G.

Hops - (20 Fuggles<sup>32</sup> = 10 B. C.<sup>31</sup>), (15 B. C.<sup>31</sup> & 20 B. C. Gyp.<sup>33</sup>), (20 Kent<sup>32</sup>) = 85 lbs.

6 S - 6 M - 1.5 K. M. S. - 19 (P) P.

6.57<sup>pm</sup> Mash -  $\frac{148}{38\frac{1}{2}}$ Mashlet -  $\frac{210}{8}$ ; Steam -  $12\frac{1}{2}$ Sit Taps; Heat -  $154^{\circ}$ Sponge -  $\frac{170}{60\frac{1}{2}}$ ; Top -  $\frac{170}{2}$ 

First runs - 20.9%

Lost - 1.3%

Water 38 $\frac{1}{2}$ 

8

66 $\frac{1}{2}$ 

2

115

Into Cyp.

99 $\frac{1}{2}$  lbs.

Out of Cyp.

-10 $\frac{1}{4}$  - 89 $\frac{1}{4}$  lbs.

Balling

14.05%

Yeast - \* 135 Brew (46 lbs + 1 $\frac{1}{2}$  7.)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.31	2	Feb. 14	60	13.8%	B. N. @ 6 am
"	3	" 15	62 $\frac{1}{2}$	9.8%	2 $\frac{1}{2}$ lb. @ 1 P.M.
"	4	" 16	69 $\frac{1}{2}$	4.15%	1 $\frac{1}{2}$ lb. @
"	8	Feb. 20	57 $^{\circ}$	<u>1.95%</u>	<u>- Racked -</u>

No. 3 run.

All.

Feb. 21<sup>st</sup>.

Malt - 5000 lb. C. M. Co. <sup>20</sup> Bais<sup>31</sup> = 90  
 Hops - (20 <sup>54</sup> Fuchs<sup>31</sup> & 10 B. C.); ~~75 B. C.~~ <sup>33</sup> 20 B. C. (H.); (20 Kent) = 85  
 6 S - 6 M - 1 S K. M. S. - 1 qt. (17) P.

Mash -  $\frac{148}{38\frac{1}{2}}$  First runs - 21.15?  
 Unchit -  $\frac{2}{8}$ ; Steam - 13.5? Last - 11.5?  
 Set Taps, Heat - 154° Water - 38.5?  
 Sparge -  $\frac{170}{66\frac{1}{2}}$ ; Hops  $\frac{170}{2}$  6.6?  
 2  
 115

Intr. Cyp. 99.5? Out. Cyp. 10.5? - 89? Balling 14.15?

Yeast - 136 Brew (46 lb. + 1.5 Z) Air - 1.4

Time	Day	Date	Temp	Balling	Remarks
7.30 <sup>am</sup>	2	Feb 22	60°	13.75?	B.H. @ 6 <sup>am</sup>
" "	3	23	67°	9.8?	2 lt. @ 10 <sup>23am</sup>
" "	8	<u>Feb 28</u>	57°	<u>2.05?</u>	- <u>Rachal</u> -



No. 9 Run.

Alk.

Feb. 28/34

Malt - 5000 lbs. C. M. Co.

Hops - (20 Fuggin<sup>11</sup> + 10 B.C. S<sup>11</sup>); (20 Baw<sup>31</sup> + 20 B.C. S<sup>31</sup>); (20 Kent<sup>11</sup>) = 90 lbs  
6 S; 6 M; 1.5 K. U. S.; 19 (17) P.

7 runs  
Mash -  $\frac{141}{39}$   
Underlet -  $\frac{210}{9}$ ; Steam - 13%  
Set Temp; Heat - 153°  
Sparge -  $\frac{170}{66}$ ; Hops -  $\frac{170}{25}$

First runs - 21.0%

Last .. - 1.25%

Waters - 39

66

2

1152

In G.

99 1/2 lbs.

Out of G.

- 10% - 89 lbs

Balling

141.0%

Yeast - (46 lbs + 1 1/2 F.) @ 137 Brun

Air - 1 1/2%

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	2	Mar 1	58 1/2°	13.7%	B.N. @ 7:15
"	3	" 2	65 1/2°	10.2%	Infl. @ 2.45 P.M.
4.30 P.M.	"	"	69 1/2°	7. -	
7.30	8	Mar. 8	57°	1.8%	<u>Racked</u>

No. 107 wa.

Ale.

Mar. 7/34

Malt - 5000 lb. C. M. G.

\* Dye - (20 Tugles<sup>33</sup> + 10 B. C. St. John) (20 B. C. Dye + 15 B. C.) (20 K. G.) = 85  
 6 B - 6 M - 15 K. M. S., 19 (S) P.

7<sup>am</sup> Mash -  $\frac{148}{382}$   
 Unchilled -  $\frac{210}{8}$ ; Steam - 14'  
 Set Taps; Heat - 154°  
 Sprays -  $\frac{110}{67}$ ; top -  $\frac{170}{2}$

First run - 21.0?  
 Last - 1.4?  
 Water - 35 $\frac{1}{2}$   
 8  
 67  
 2  
 115 $\frac{1}{2}$

Intr. Gp.  
100- 10 $\frac{1}{2}$ Out of Gp.  
89 $\frac{1}{2}$ Balling.  
14.0?Yeast - \* 1388 Brew (46 lb. + 15 $\frac{1}{2}$ )Air - 1 $\frac{1}{4}$ '

Time	Day	Date	Temp.	Balling	Remarks
7.30 <sup>am</sup>	2	Mar. 8	60°	13.5?	B. H. @ 5.45 <sup>am</sup>
-	3	- 9	69°	8.75?	2 lt. @ 8.30 <sup>am</sup>
6 P.M.	-	-	69 $\frac{1}{2}$ °	5.8?	
7.30 <sup>am</sup>	4	- 10	"	3.45?	1 <sup>st</sup> skin @ 6 <sup>am</sup>
7.30 <sup>am</sup>	8	Mar. 14	57°	1.85?	- Rashed -



No. 4 Jun.

Stout.

Mar. 14/34

Malt - 5000 lbs C. M. G. &amp; 2500 lbs B. Barley.

\* Hops - (20<sup>lb</sup> + 10 B. O. Sigs); (20<sup>lb</sup> + 20 B. O. Sigs); (20<sup>lb</sup> + 20<sup>lb</sup>) = 90 lbs.6 S - 6 M - 15 K. U. S. - 112 $\frac{1}{2}$  lb. P; L. root - 4; C. root 3; S. root - 27 am Mash -  $\frac{148}{392}$ Underlet -  $\frac{210}{8}$ ; Steam - 14 $\frac{1}{2}$ 'Set Taps; Heat - 153 $\frac{1}{2}$ 'Grange -  $\frac{110}{672}$ ; Hop -  $\frac{170}{2}$ 

First runs - 21.4%

Last - 1.3%

Water - 39 $\frac{1}{2}$ 67 $\frac{1}{2}$ 

2

117

Into Cyp

101 lbs.

Out of Cyp.

- 9 $\frac{1}{2}$  - 91 $\frac{1}{2}$  lbs.

Balling

14.7%

Least - x 139 (Brew (46 lb. + 1 $\frac{1}{2}$  f))Air - 1 $\frac{1}{4}$ '

Time	Day	Date	Temp.	Balling	Remarks.
7.30 am	8	<u>Mar. 21</u>	56°	2.6%	- Rashed -

ale 85 lbs Hops  
old seats 70 lbs

No. 3 run.

Sparkling Ale.

Mar. 21<sup>st</sup>

Malt - 4500 lbs C.M.C.

\* Hops - (10 Fuggles + 5<sup>3</sup> B.C. St. Ales); (25<sup>30</sup> Bav. + 10<sup>33</sup> B.C. Hops); (20<sup>32</sup> Kent) = 70 lbs.  
5<sup>1</sup> S - 6 M - 1.5 K.M.S.

6.58<sup>am</sup> Mash -  $\frac{145}{34}$

Undrilt -  $\frac{210}{7}$ ; Steam - 12 $\frac{1}{2}$

Set Taps; Heat - 154°

Sparg -  $\frac{170}{68}$ ; Hops -  $\frac{170}{2}$

First runs - 21.17

Last - 1.07

Water - 34

68

2

112

In to Bp.

96 $\frac{1}{2}$  lbs.

Out of Bp.

- 10 -

86 $\frac{1}{2}$  lbs.

Balling

12.857

Yeast - 1 $\frac{1}{4}$  Baw (4 lbs. + 1 $\frac{1}{2}$  F.)

Air - 1 $\frac{1}{4}$

Time	Day	Date	Temp.	Balling	Remarks.
7.30 <sup>am</sup>	2	Mar. 22	60°	12.257	B.H. @ 6 <sup>am</sup>
"	3	" 23	67°	8.---	2 lbs @
4.20 <sup>P.M.</sup>	"	"	67 $\frac{1}{2}$ °	5.857	
5.45 <sup>pm</sup>	"	"	"	5.457	
7.30 <sup>am</sup>	4	" 24	"	3.157	1 <sup>st</sup> skin @ 5 <sup>am</sup>
7.30 <sup>am</sup>	8	Mar. 28	57°	177°	- Racked -



No 97 run.

Alb.

Mar. 23/24.

Malt - 5000 lb. C. M. G.

\* Lys - (15 Fuggles + 10<sup>20</sup> B. P. (S. G.)) ; (20<sup>20</sup> B. P. + 20<sup>20</sup> B. P. (S. G.)) ; (20<sup>20</sup> Kent) = 85.  
 6.5 ; 6.11 ; 0.5 K. M. S. ; 1 qt (>) P.

6.55 Mash -  $\frac{145}{38}$   
 Unshelt -  $\frac{20}{8}$  ; Steam - 15 $\frac{1}{2}$   
 1st Lys ; Heat - 15 $\frac{1}{2}$   
 Sparge -  $\frac{120}{67\frac{1}{2}}$  ; H<sub>2</sub>O -  $\frac{120}{81}$

First run - 21.17.

Last - - 1.17

Water - 38  
 8  
 67 $\frac{1}{2}$   
 1

114 $\frac{1}{2}$  ~~115 $\frac{1}{2}$~~ 

Int. Gyn.

Out. Gyn.

Balling.

~~99~~ 100 lbs

-10-

90 lbs.

13.97

Least - Keiths (46 lbs. + 1 $\frac{1}{2}$  P.)Air - 1 $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 am	2	Mar. 24	60°	13.35	B. H. @ 6.45 am.
6 P.M.	3	" 25	69 $\frac{1}{2}$	6.00	2 <sup>nd</sup> Lt. @ 3 P.M. Sunday.
7.30 am	4	" 26	"	4.25	1 <sup>st</sup> skin @ 11.45 am
" "	8	<u>Mar 30</u>	57°	<u>2.00</u>	- Racked -

No. 10 Run.

Ale.

Mar. 27/34

Malt - 5000 lbs. C. M. Co.

Hops - (15 Fuggles + 10 B. C. (1st &amp; 2nd)); (20 Bar. + 20 B. C. (2nd)) (20 Cents) = 85 lbs.

6.5 - 6 H - 1.5 K. M. S. + 19 f (&gt;) P.

6.25 Mash -  $\frac{145}{58}$ .Unhill -  $\frac{2.10}{8}$ ; Steam - 15'

Set Taps; Heat - 154°

Spray -  $\frac{170}{67}$ ; Hops -  $\frac{170}{20}$ 

First runs - 21.1°

Last " - 1.3°

Waters - 38

8

67

20)

1150

Intr. Op.

99  $\frac{1}{2}$  lbs.

Out. Op.

- 10  $\frac{1}{2}$  - 89 lbs.

Balling.

13.9°

Yeast - 141 Brew (46 lbs. + 1  $\frac{1}{2}$  f.)Air - 1  $\frac{1}{4}$ 

Time	Day	Date	Temp.	Balling	Remarks
7.30 am	2	Mar 28	65	13.4°	B.H. @ 6.30 am.
"	3	"	"	"	2 lt. @
"	8	April 3	57	2.0°	- Racked -



No. <sup>3</sup> 7 run.

Alc.

Mar. 29/14

Malt - 5000 lb. C. M. Co.

Hops - (15 Fuggle<sup>52</sup> + 10 P. O. 84<sup>53</sup>); (20 Barro<sup>20</sup> + 20 B. C. 94<sup>53</sup>); (20<sup>52</sup> Kent) = 85 #

6 S - 6 M 1.5 K. M. S. - 1 qt. (&gt;) P.

6<sup>05</sup> Mash -  $\frac{48}{38\frac{1}{2}}$ Mash -  $\frac{0/0}{8}$ ; Steam - 14 $\frac{1}{2}$ 

Set 2yo; Heat - 153°

Spray -  $\frac{170}{66\frac{1}{2}}$ ; Hops -  $\frac{170}{2}$ 

First run - 21.0%

Last - - 1.3%

Water - 38 $\frac{1}{2}$ 

8

66 $\frac{1}{2}$ 

2

115

In of Cop.

99 $\frac{1}{2}$ 

- 10 -

Out of Cop.

89 $\frac{1}{2}$  lbs.

Balling

13.9%

Least - 142 Brew (46 lb. + 1 $\frac{1}{2}$  F.)Air - 14 $\frac{1}{2}$ 

Time	Day	Date	Temp.	Balling	Remarks
7. <sup>30</sup>	8	Mar 5	57°	2.05%	- Reached

No. 8 Tun.

Alc.

April 3/34

Malt - 5000 lbs. C. M. Co.

Grain - (15 <sup>32</sup> Toggles + 10 B.C. Sphs); (20 <sup>30</sup> Bars + 20 B.C. Gyps); (20 <sup>32</sup> Kents) = 85 #

60 S - 6 M - 45 H. M. S. - 19 (7) P.

7<sup>pm</sup> Mash <sup>148°</sup>  
Undrilt - <sup>210°</sup> / 8; Steam  
Set Taps; Heat -  
Sparg - <sup>170°</sup> } Hops - <sup>120°</sup>

First runs -  
Last - -  
Water -

Into Cyp.

Out of Cyp.

Balling.

Least -

Air -

Time Day Date Temp. Balling Remarks.





















































































































































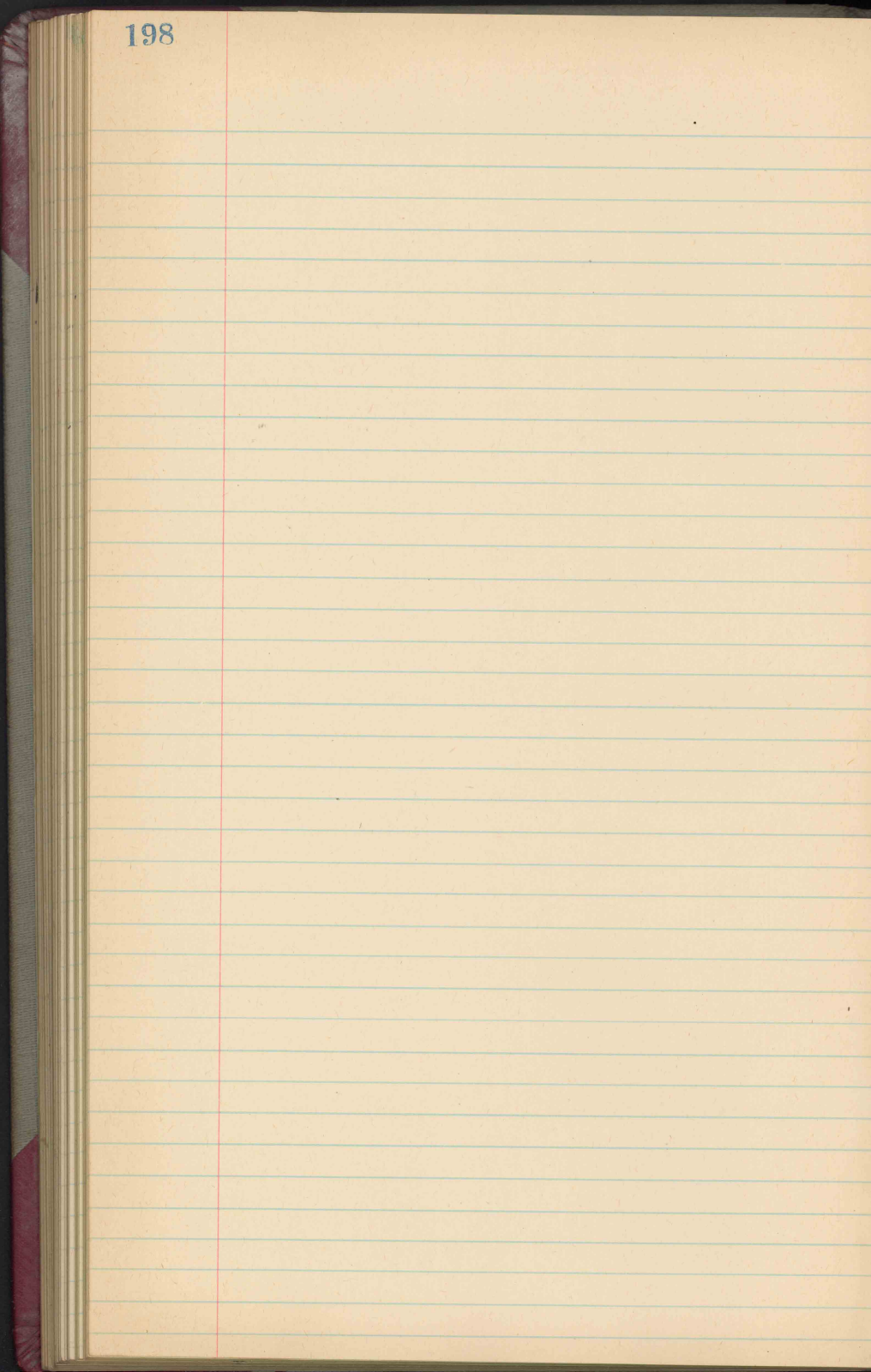








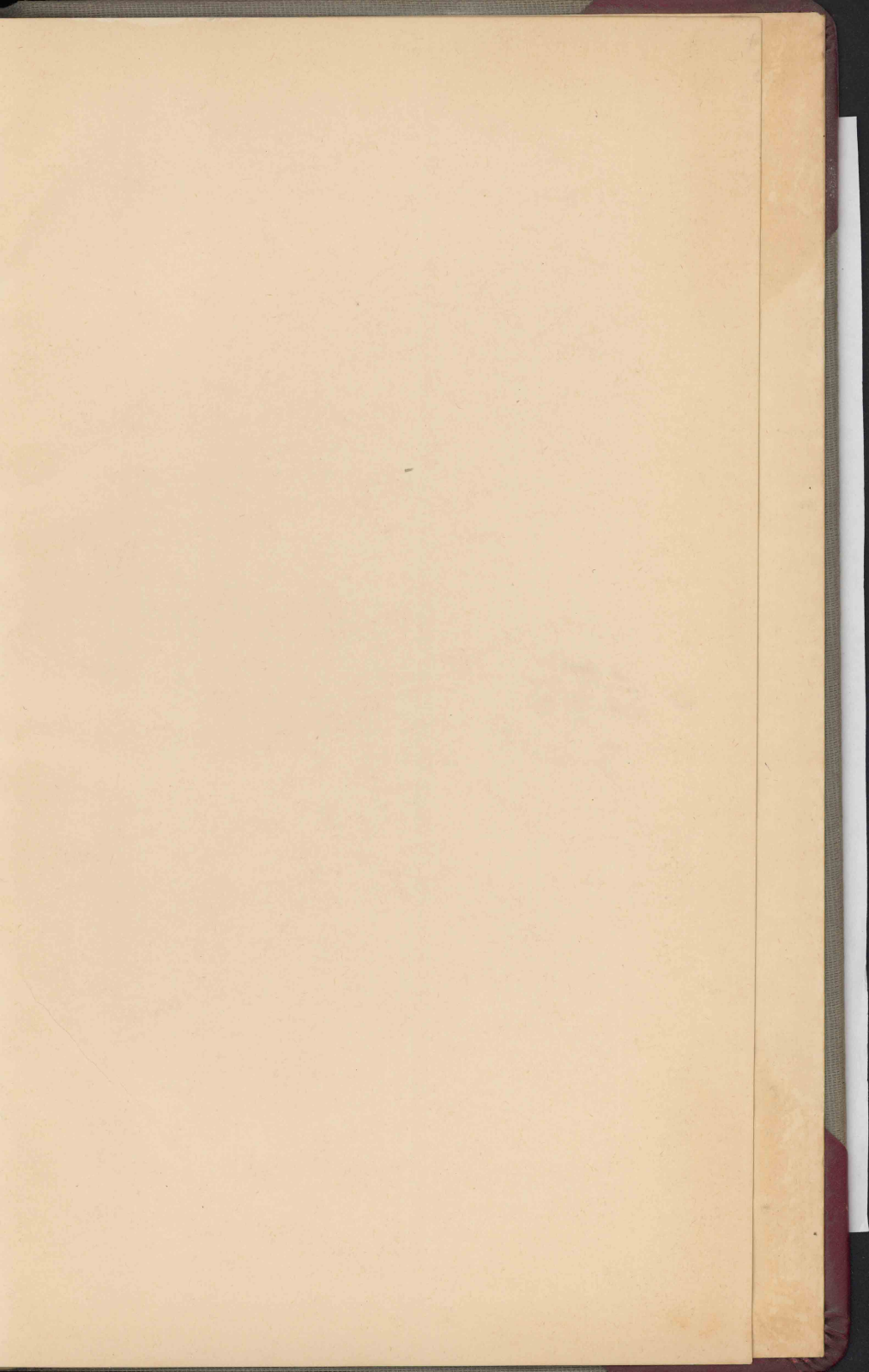














47 - 24<sup>th</sup> 0.S.  
49+95-

