TABLE XII.

SPRING D.—Calculation of Equivalent Scale Corrected for all Variations in the Hot Scale of the Spring. Areas measured from line 15 lbs. above the atm.

AVERAGE CARD, HEAD END OF HIGH-PRESSURE CYLINDER.

Division of Card.	Area.	Mean Height.	Correspond'g Scale.	Area × Scale.	Division of Card.	Area.	Mean Height.	Correspond'g Scale.	Area × Scale.
A1.....	.698	1.631	59.64	41.629	B1.....	+.173	.404	62.25	+10.769
A2.....	.680	1.589	59.72	40.610	B2.....	+.006	.014	64.10	+ .385
A3.....	.652	1.523	59.85	39.022	B3.....	+ 003	.007	64.10	+ .192
A4.....	.525	1.227	60.17	31.589	B4.....	+.003	.007	64.10	+ .192
A5.....	.370	.864	60.51	22.389	B5.....	+.002	.005	64.10	+ .128
A6.....	.249	.582	60.97	15.182	B6.....	−.002	.005	64.10	− .128
A7.. ...	.168	.393	62.32	10.470	B7.....	−.006	.014	64.10	− .385
A8.....	.117	.273	63.22	7.397	B8.....	−.012	.028	64.10	− .769
A9.	.078	.182	62.91	4.985	B9.....	−.015	.034	64.10	− .962
A10.....	.047	.110	64.10	3.013	B10.....	−.018	.042	64.10	− 1.154
Totals...	3.584	.....	.....	216.286	Totals...	+.134	....	.....	+ 8.268

Equivalent scale = (216.286 − 8.268) ÷ (3.854 − .134) = 60.29.

TABLE XIII.

SPRING E.—Calculations of Equivalent Scale Corrected for all Variations in the Hot Scale of the Spring. Areas measured from line 15 lbs. above the atm.

LARGEST CARD, HEAD END OF HIGH-PRESSURE CYLINDER.

Division of Card.	Area.	Mean Height.	Correspond'g Scale.	Area × Scale.	Division of Card.	Area.	Mean Height.	Correspond'g Scale.	Area × Scale.
A1	.738	1.724	57.89	42.723	B1	+.181	.423	61.78	+11.182
A2.....	.703	1.642	57.95	40.739	B2	+.005	.012	63.69	+ .318
A3.....	.672	1.570	58.01	38.983	B3	+.004	.009	63.69	+ .255
A4.....	.567	1.325	58.55	33.198	B4	+.004	.009	63.69	+ .255
A5	.398	.930	59.77	23.788	B5	+.003	.007	63.69	+ .191
A6	.278	.650	60.47	16.811	B6	0	0	63.69	0
A7	.202	.472	61.42	12.407	B7	−.002	.005	63.69	− .127
A8	.151	.353	62.28	9.404	B8	−.004	.009	63.69	− .255
A9	.098	.227	63.18	6.192	B9	−.005	.012	63.69	− .318
A10	.071	.166	63.67	4.521	B10	−.018	.042	63.69	− 1.146
Totals...	3.878	.....	. .....	228.766	Totals..	+.168	.....	.....	+10.355

Equivalent scale = (223.766−10.355) ÷ (3.878−0.168) = 58.87.

SMALLEST CARD, HEAD END OF HIGH PRESSURE CYLINDER.

Division of Card.	Area.	Mean Height.	Correspond'g Scale.	Area × Scale.	Division of Card.	Area.	Mean Height.	Correspond'g Scale.	Area × Scale.
A1	.710	1.663	57.94	41.137	B1	+.169	.396	61.97	+10.473
A2	.681	1.595	57.99	39.491	B2	+.005	.012	63.69	+ .318
A3	.662	1.550	58.03	38.416	B3	+.004	.009	63.69	+ .255
A4	.531	1.244	58.81	31.228	B4	+.004	.009	63.69	+ .255
A5	.349	.817	60.05	20.957	B5	+.004	.009	63.69	+ .255
A6	.238	.557	60.81	14.473	B6	0	0	63.69	0
A7	.172	.403	61.92	10.650	B7	−.004	.009	63.69	− .255
A8	.115	.269	62.89	7.232	B8	−.005	.012	63.69	− .318
A9	.075	.176	63.54	4.766	B9	−.007	.016	63.69	− .446
A10	.047	.110	63.69	2.993	B10	−.018	.042	63.69	− 1.146
Totals...	3.580	.....	.....	211.343	Totals...	+.152	.....	.....	+ 9.391

Equivalent scale = (211.343−9.391) ÷ 3.580−0.152) = 58.91.

Average equivalent scale = (58.87 + 58.91) ÷ 2 = 58.89.