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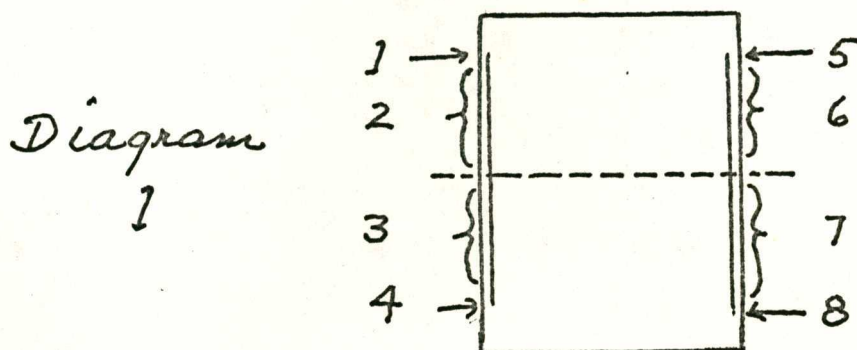
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CHARTS TO AID IN THE LOCATION OF 3/4 1851 PLATE POSITIONS.

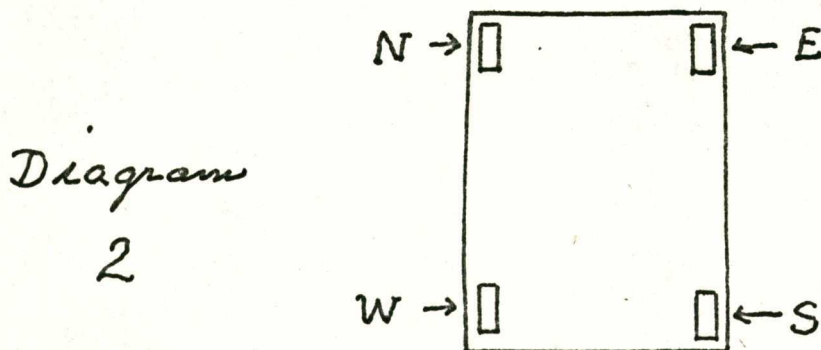
These charts are based upon two facts: -

1. That the outer frame lines (when recut), and the inner lines (when present) were engraved on the stamp plate with a hand engraving tool. That these lines have the minor variations ALWAYS PRESENT IN HAND WORK.
2. That most of the stamp design inside of the frame lines was mechanically impressed on the stamp plate by the transfer roll, with no resultant minor identifying features and variations.

For stamps with inner lines the VARIATIONS IN SPACING are charted as follows: -



For stamps without inner lines the tessellated edge<sup>S</sup> of the design form a far less definite area for comparison; the 8 points of diagram 1 are charted only when they are quite obvious and certain. However the spaces between the side frame lines and the diamond blocks do furnish definite points of comparison: - N, E, S, W. diagram 2.



In addition to these 12 points for comparison of spacing the charts diagram the following: -

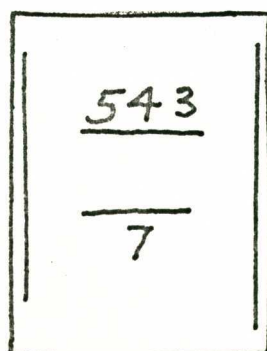
The relief, when other than the normal position for A or B.  
Triangle recuts, by lines in appropriate locations.  
Extended inner or outer frame lines, diagrammatically.  
Other recuts.

Position dots are noted as follows: -

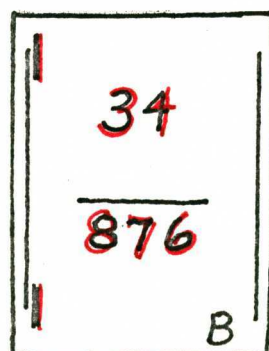
When the letter B or R is present the position dot is on, or touches, the bottom frame line or the right frame line. If preceded by O the dot is outside of the respective frame line. The letters L or D indicate that the dot touches and extends from the label or diamond block. Two letters show that the dot touches both indicated areas.

When two numbers, one above the other, are shown the top number indicates closeness, in sequence, of the 8 points of diagram 1. The bottom number indicates wideness of the 8 points, in sequence. A straight line or dash indicates uncertainty. If the line is underlined at R or L it shows that the right or left side is closer or wider depending on whether the upper or lower line.

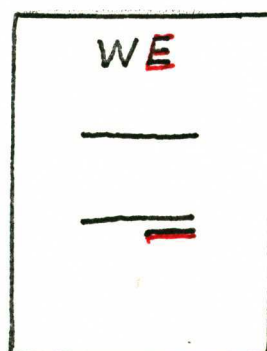
One or two letters or a line at the top of the position indicates: - First letter shows the closest of the 4 points in diagram 2. Second letter is the widest point. A line indicates uncertainty for either the closest or widest or both. When obvious the 8 points of diagram 1 are shown by numbers.



16 R  $\frac{3}{x}$



84 R  $\frac{3}{x}$



57 L  $\frac{6}{x}$



61 L  $\frac{8}{x}$



## EXAMPLES -

- 16R3 - Points 5, 4, 3 of dia. 1 are closest, the sequence not certain. Point 7 is probably widest.
- 84R3 - Line recut in UL & LL triangles. Points 3 & 4 are closer than normal. Points 8, 7, 6 are wider than normal, the sequence of closeness is uncertain. Pos. dot on or touches bottom frame line.
- 57L6 - Point W of dia. 2 is closest. Point E is widest and is wider than normal. There is no obvious closest or widest points as per dia. 1, the R side spacing is wider than left.
- 61L8 - Point W of dia. 2 is closer than normal, point E wider than normal. Spacing at left side of stamp is closer than at right. Pos. dot is outside of bottom frame line.

The charts are printed in two colors. The red color is for emphasis, to call attention to features of the position which are of special <sup>IN</sup>aid~~allocating~~ it.

To use the charts: -

Determine, if possible, the plate from which the stamp was printed. Find whether the stamp is A, B or C relief. Note any recuts. If the stamp has inner lines compare the spacing for the 8 points of diagram 1. If no inner lines compare the spacing at the 4 points of diagram 2.

Chart a description of the stamp based on the closest & widest spacing for the 8 points of dia. 1, or the 4 points of dia. 2, or perhaps a combination of both diagrams. Seek on the charts, in the proper relief positions, for a charted description which is LIKE OR SIMILAR to the description which you have written. Compare, under a glass, with the Chase photos, or with already plated stamps, those which have a like or similar description.

The greatest advantage in using the charts lies in having visually available ~~most~~ of the information needed for plating. After some experience it is possible to scan the charts at a quite rapid speed. In many cases the number of necessary microscopic comparisons is ~~frequently~~ reduced to a very small number.



We have already stated that these charts are not intended to actually plate stamps; that they indicate where to look to plate by comparison with an already plated copy or by comparison with the Chase plate photos. Repeat - There are very few of the 2600 positions which should be plated without microscopic comparison with a previously plated copy or with the photograph.

Errors in plating are of two kinds: A mistake of fact due to inability to recognize an exact similarity between two stamps. The cure for this type of mistake is more patience, and perhaps more experience. The second kind of mistake is entirely mechanical: Writing the wrong pane, ie. R for L or the opposite, or writing an adjacent position instead of the correct one. It should be remembered that accuracy demands that the plater checks, and double checks and then rechecks the accuracy of his work.

To approach plating with any degree of confidence it is desirable to break down the 2600 stamp positions into smaller and more approachable groups. This can be done in a number of ways, which when used in combination would seem to reduce the largest group to about 200 stamps. The several methods of group reduction are described in detail in the Chase chapter titled 'Details of Plate Arrangement' and in the several chapters which give the 'History of Each Plate'.

Division by Relief: -

The 38 1851 plates were entered with a three relief transfer roll; A, B & C. The location and frequency of the respective reliefs is recorded in Chase.

By identifying the relief of a particular stamp it is possible to reduce the 2600 total by approximately half.

Division by Color: -

Plates 1 early, 1 int., 2 early, 5 early & plate 0, were printed only in the orange brown color. Plate 1 late occurs occasionally in OB. Plates 2 late & 3 on very rare occasions are printed in OB. Plates 2 late & 3 almost always are printed in 1852 or later colors and the subsequent plates are never found in true OB. On the basis of color -

1000 positions occur only in OB.

200 positions occur occasionally in OB.

400 positions occur very rarely in OB.

600 positions usually occur in 1852 & later colors.

1000 positions were printed only in 1855 & later colors.

That this totals 3200 positions is due to an overlap in late 1851 & early 1852 during which time three plates occasionally produced OB. stamps altho their normal colors are other than OB.

Division by Plate: -

It is perhaps too obvious to mention that if one can identify the plate that by this action alone the number of stamps to be examined has been reduced to 200. In some cases such plate identification cannot be made.

Plates 1 early & 1 int. are very similar. The only difference is due to re-entry. Both plates should be compared.

Plate 2 early can frequently be identified.

Plate 5 early can frequently be identified.

Plate 0 can very frequently be identified.

Plate 1 late can usually be identified.

Plates 2 late & 3 are similar but can frequently be told apart by the fact that 2 late was re-entered & 3 was not.

Plate 4 can usually be identified.

Plate 5 late can very usually be identified.

Plates 6 & 7 are quite alike, can be identified only by plating the stamp except in a very few positions which are recut.

Plate 8 can usually be readily identified.

To repeat all of the information about plate identification would be only a rehash of information already in the Chase book.



# 1 Late / Left Pane

1	2	3	4	5	6	7	8	9	10
b 78 124	b 8 56	b _____ 14 dt	b 76 512	a 74 528 dt	a 37 51	b 37 56	b 786 5	b 34 578	b _____ _____ dt
a 23 _____ 58 dt	a 312 _____ 8	a _____ 57	a 76 _____ 56	a _____ 5	a _____ 561	a 73 _____ 56	a _____ 54	a 67 _____ 567	a _____ _____ _____ dt
b _____ _____ 15 dt	b 3278 45	b 3267 1	b _____ _____ 5	b 867 3	b 348 67	b _____ _____ _____ 0	b _____ _____ _____ 0	b 26 5	b _____ 57
a 768 52 dt	a 32 56	a 87 41 dt	a 7386 52	a 67 5	a 23 _____ dt	a 32 _____ b	a 8 64	a 67 52	a 6 5
b 78 5	b _____ 4	b _____ near D	b 672 5	b 7 56	b 7234 5	b 63 85	b 327 _____ 0	b 378 _____ D	b 61 58
B	B		DB	near BD	BL		B	D	



# 1 Late / Left Pane

51	52	53	54	55	56	57	58	59	60
<b>a</b> 23 56 dt	<b>a</b> 813 56	<b>a</b> 12 —	<b>a</b> 3 62	<b>a</b> 78 45 dt	<b>a</b> — 1 dt	<b>a</b> 783 5	<b>a</b> 768 —	<b>a</b> 73 5	<b>a</b> 632 4
<b>b</b> — 58 B	<b>b</b> 13 — dt B	<b>b</b> — 5 near D	<b>b</b> 4 57 D	<b>b</b> 7621 4 B	<b>b</b> — 56 dt D	<b>b</b> 683 12 0	<b>b</b> 863 — 0	<b>b</b> 2 85 BL	<b>b</b> 68 4
<b>a</b> 6 —	<b>a</b> 3 5	<b>a</b> 21 84	<b>a</b> 5 dt	<b>a</b> 76 4 dt	<b>a</b> 732 15	<b>a</b> — 176	<b>a</b> — 5	<b>a</b> 7 4	<b>a</b> 67 5
<b>b</b> 67 5 B	<b>b</b> — 85	<b>b</b> — 6 dt B	<b>b</b> 362 78 B	<b>b</b> 86 4 dt D	<b>b</b> — 1 D	<b>b</b> 86 123 D	<b>b</b> 23 5 0	<b>b</b> 32 75 B	<b>b</b> — — —
<b>b</b> 6 —	<b>b</b> 86 71 dt	<b>b</b> 12 876	<b>b</b> 76 —	<b>b</b> 76 —	<b>b</b> 65 —	<b>b</b> 312 8	<b>b</b> 6 —	<b>b</b> 6 18	<b>b</b> 7 475

60

70

80

90

100

1 late. left name.

51

52

53

54

55

56

57

58

59

60

2 56	813 5	$\frac{127}{5}$	3 $\frac{62}{54}$	78 $\frac{54}{54}$	— 1	784 5	$\frac{768}{—}$	$\frac{73}{45}$	$\frac{632}{4}$
$\frac{58}{B}$	$\frac{13}{B}$	$\frac{5}{near D}$	$\frac{4}{D}$	$\frac{7621}{4}$	$\frac{56}{B}$	$\frac{683}{1}$	$\frac{863}{X}$	$\frac{2}{85}$	$\frac{6}{4}$
$\frac{6}{—}$	$\frac{3}{5}$	$\frac{21}{84}$	$\frac{5}{—}$	76 4	$\frac{732}{51}$	$\frac{3}{176}$	$\frac{5}{—}$	$\frac{7}{4}$	$\frac{67}{5}$
$\frac{67}{5}$	$\frac{3}{85}$	$\frac{6}{B}$	$\frac{362}{87}$	$\frac{86}{4}$	$\frac{1}{D}$	$\frac{86}{123}$	$\frac{24}{5}$	$\frac{32}{75}$	$\frac{—}{—}$
$\frac{6}{5}$	$\frac{68}{71}$	12 87	$\frac{76}{—}$	76 $\frac{76}{—}$	$\frac{657}{—}$	312 8	$\frac{6}{—}$	$\frac{—}{—}$	7 $\frac{475}{—}$

91

92

93

94

95

96

97

98

99

100



D.T. 2, 3, 8, 9, 12, 22, 34

1 late. right pane.

	1	2	3	4	5	6	7	8	9	10	
1	3 5	3 56	462 18	4 5	3 8	2 85	78 56	6	76	32	10
11	518	31 25	781 5	4 56	5	3 56	786 2	6 21	76	23	20
21	87 124	2	3 27	23 67	2	16	4	23	23 78	324 8	30
31	78 12	8 41	132 5	86 52	367 12	14	21 76	21	21 45	21 68	40
41	87 21	12	216	78 5	237 4	324 85	8 6	8 46	7821 5	12 48	50
	41	42	43	44	45	46	47	48	49	50	



3 left pane

	51	52	53	54	55	56	57	58	59	60	
51	<u>84</u> 76	<u>21</u> —	<u>23</u> 87	<u>578</u> —	<u>436</u> —	4 8	<u>567</u> 23	<u>12</u> —	<u>32</u> 41	<u>2</u> —	60
61	<u>76</u> 1 B	<u>41</u> 8 B	— 871 B	<u>23</u> 4 D	<u>785</u> — B	— — B	<u>21</u> 87 B	<u>4</u> 8 BR	— — B	<u>5</u> 8 70	
71	— —	— —	<u>6</u> 1	— 21	<u>568</u> 12	<u>3</u> 78	<u>75</u> 126	— 8	— 4	— 6 80	
81	<u>2734</u> — B	<u>6754</u> 1 D	<u>65</u> 12 B	<u>786</u> 12 B	— — DL	<u>2</u> — D	<u>12</u> — BD	<u>4</u> 1 R	— — B	— — 90	
91	— 31	— —	— 56	— —	<u>78</u> 3	<u>65</u> 34	<u>478</u> 216	— —	<u>34</u> 12	<u>758</u> 6 100	
	91	92	93	94	95	96	97	98	99	100	



3 left pane

DT. - 1

	1	2	3	4	5	6	7	8	9	10	
I	$\frac{875}{12}$	$\frac{568}{12}$	$\frac{\quad}{65}$	$\frac{78}{321}$	$\frac{78}{\quad}$	$\frac{78}{\quad}$	$\frac{\quad}{21}$	$\frac{783}{14}$	$\frac{23}{14}$	$\frac{4}{12}$	10
II	$\frac{743}{1}$	$\frac{1476}{325}$	$\frac{13}{6}$	$\frac{\quad}{5}$	$\frac{652}{37}$	$\frac{487}{12}$	$\frac{32}{5}$	$\frac{3}{127}$	$\frac{3}{12}$	$\frac{56}{1}$	20
2I	$\frac{234}{\quad}$	$\frac{234}{58}$	$\frac{457}{12}$	$\frac{765}{312}$	$\frac{\quad}{1}$	$\frac{27}{64}$	$\frac{\quad}{68}$	$\frac{21}{5}$	$\frac{\quad}{\quad}$	$\frac{\quad}{\quad}$	30
		B	DB		B	B		D	B		
3I	$\frac{4}{\quad}$	$\frac{342}{8}$	$\frac{32}{8756}$	$\frac{786}{3}$	$\frac{783}{12}$	$\frac{32}{\quad}$	$\frac{7}{21}$	$\frac{8}{\quad}$	$\frac{\quad}{\quad}$	$\frac{42}{1}$	40
4I	$\frac{\quad}{\quad}$	$\frac{7}{\quad}$	$\frac{\quad}{876}$	$\frac{78}{3}$	$\frac{\quad}{56}$	$\frac{123}{65}$	$\frac{4}{8}$	$\frac{64}{872}$	$\frac{\quad}{\quad}$	$\frac{5}{63}$	50
	B	BD	DB		D	D	B	DB	B		
	41	42	43	44	45	46	47	48	49	50	



2 late Right plane

DT. 66, 87, 97.

	51	52	53	54	55	56	57	58	59	60	
51	$\frac{568}{123}$	$\frac{38}{7}$	$\frac{65}{123}$	$\frac{34}{-}$	$\frac{84}{67}$	$\frac{346}{128}$	$\frac{36}{123}$	$\frac{84}{127}$	$\frac{85}{76}$	$\frac{6}{27}$	60
61	$\frac{865}{312}$ B	$\frac{-}{21}$	$\frac{3}{786}$ B	$\frac{76}{1}$ B	$\frac{68}{5}$ B	$\frac{865}{12}$	$\frac{46}{18}$	$\frac{43}{217}$ D	$\frac{765}{43}$ B	$\frac{653}{7}$	70
71	$\frac{432}{-}$	$\frac{58}{173}$	$\frac{-}{1}$	$\frac{65}{14}$	$\frac{-}{-}$	$\frac{465}{17}$	$\frac{-}{-}$	$\frac{8}{761}$	$\frac{-}{7}$	$\frac{4}{78}$	80
81	$\frac{785}{13}$ DB	$\frac{-}{41}$ B	$\frac{7}{123}$ DB	$\frac{38}{13}$	$\frac{7}{123}$	$\frac{124}{-}$ B	$\frac{7}{13}$ x	$\frac{65}{87}$	$\frac{86}{346}$	$\frac{46}{17}$	90
91	$\frac{5}{761}$	$\frac{43}{671}$	$\frac{-}{87}$	$\frac{465}{-}$	$\frac{658}{-}$	$\frac{86}{1}$	$\frac{7}{21}$	$\frac{823}{6}$	$\frac{5}{-}$	$\frac{86}{-}$	100
	91	92	93	94	95	96	97	98	99	100	



2 late right pane

DT. 3, 6, 7, 16, 26.

	1	2	3	4	5	6	7	8	9	10	
1	$\frac{5}{1}$	$\frac{7}{567}$	$\frac{78}{5}$	$\frac{387}{14}$	$\frac{5}{12}$	$\frac{6}{-}$	$\frac{36}{5}$	$\frac{3}{-}$	$\frac{37}{82}$	$\frac{54}{678}$	10
11	$\frac{64}{12}$	$\frac{42}{-}$	$\frac{85}{216}$	$\frac{-}{12}$	$\frac{3}{87}$	$\frac{32}{-}$	$\frac{31}{768}$	$\frac{32}{157}$	$\frac{386}{6}$	$\frac{653}{87}$	20
21	$\frac{-}{16}$	$\frac{78}{123}$	$\frac{67}{123}$	$\frac{6}{7}$	$\frac{4}{785}$	$\frac{346}{87}$	$\frac{67}{48}$	$\frac{78}{12}$	$\frac{562}{87}$	$\frac{-}{123}$	30
31	$\frac{6}{-}$	$\frac{36}{12}$	$\frac{6}{873}$	$\frac{346}{82}$	$\frac{634}{8}$	$\frac{48}{213}$	$\frac{6}{-}$	$\frac{87}{57}$	$\frac{4}{-}$	$\frac{2}{8}$	40
41	$\frac{6}{-}$	$\frac{-}{13}$	$\frac{65}{28}$	$\frac{34}{6}$	$\frac{564}{12}$	$\frac{-}{76}$	$\frac{-}{6}$	$\frac{4}{85}$	$\frac{6783}{12}$	$\frac{56}{-}$	50
	41	42	43	44	45	46	47	48	49	50	



2 late left pane

DT. 82, 92.

	51	52	53	54	55	56	57	58	59	60	
51	$\uparrow$ 45 76	$\uparrow$ — 14	326 —	324 8	$\uparrow$ —	346 18	43 12	34 —	346 12	63 21	60
61	64 18 B	43 1 DR	34 876 B	34 78 B	657 12 BL	683 — D	65 217 D	34 1 B	34 7 B	— 87	70
71	3 1 2	— —	346 8 B	— 76 B	321 48 BL	312 6 D	43 12 D	34 17 B	36 1 B	658 12	80
81	32 67 B	217 38	347 12 B	768 56 BD	5 1 B	— 213 D	874 21 D	437 1 RB	7 213 D	467 21	90
91	4 167 B	$\uparrow$ 63 78	4 8761 B	3 76 B	3 1 B	83 7 B	32 876 B	— 78 B	32 78 B	467 12 B	100
	91	92	93	94	95	96	97	98	99	100	



2 ~~ate~~ left pane

DT 2, 4, 9, 14, 19, 24

	1	2	3	4	5	6	7	8	9	10	
I	$\frac{786}{56}$	$\frac{4}{87}$	$\frac{53}{76}$	$\frac{2}{6}$	$\frac{4}{12}$	$\frac{65}{12}$	$\frac{52}{87}$	$\frac{3}{-}$	$\frac{53}{1}$	$\frac{365}{1}$	10
II	$\frac{3}{7}$	$\frac{231}{68}$	$\frac{3}{1}$	$\frac{41}{57}$	$\frac{3}{124}$	$\frac{326}{1}$	$\frac{35}{71}$	$\frac{23}{-}$	$\frac{583}{1}$	$\frac{46}{21}$	20
21	$\frac{4}{73}$ D	$\frac{14}{78}$ BR	$\frac{465}{187}$ L	$\frac{6}{12}$ DB	$\frac{26}{87}$ B	$\frac{1}{42}$ B	$\frac{327}{8}$ BD	$\frac{-}{1}$ OB	$\frac{37}{14}$ B	$\frac{-}{7}$	30
31	$\frac{3}{81}$	$\frac{32}{78}$	$\frac{63}{178}$	$\frac{3421}{65}$	$\frac{546}{87}$	$\frac{2}{-}$	$\frac{43}{78}$	$\frac{342}{87}$	$\frac{-}{6}$	$\frac{58}{62}$	40
41	$\frac{34}{-}$ D	$\frac{65}{4}$ RB	$\frac{-}{127}$ B	$\frac{21}{67}$ B	$\frac{7}{12}$ D	$\frac{3}{-}$ X	$\frac{14}{8}$ DB	$\frac{3}{-}$ OB	$\frac{41}{3}$ DB	$\frac{326}{18}$	50
	41	42	43	44	45	46	47	48	49	50	



1 lot right pane

DT. 4, 70, 71, 80, 90, 92, 95, 98.

	51	52	53	54	55	56	57	58	59	60	
51	$\frac{21}{51}$	$\frac{237}{51}$	$\frac{73}{2}$	$\frac{7}{23}$	$\frac{76}{476}$	$\frac{2}{351}$	$\frac{8}{67}$	$\frac{3}{57}$			
61	$\frac{16}{43}$	$\frac{67}{21}$	$\frac{67}{63}$	$\frac{84}{25}$	$\frac{76}{16}$	$\frac{7}{4}$	$\frac{675}{875}$	$\frac{2}{875}$			
	D	near DL	DB	D	OB	BD	B	DL	B		
71	$\frac{568}{3}$	$\frac{6}{38}$	$\frac{47}{21}$	$\frac{32}{76}$	$\frac{23}{87}$	$\frac{6}{47}$	$\frac{3}{1}$	$\frac{36}{78}$			
81	$\frac{1}{4}$	$\frac{4}{4}$	$\frac{215}{4}$	$\frac{1}{4}$	$\frac{431}{56}$	$\frac{7}{1}$	$\frac{6}{54}$				
	near DL	B	B	DL	B	D	BD				
91	$\frac{7}{1}$	$\frac{3}{56}$	$\frac{23}{48}$	$\frac{82}{42}$	$\frac{8}{48}$	$\frac{6}{3}$	$\frac{3}{54}$				
	91	92	93	94	95	96	97	98	99	100	

	1	2	3	4	5	6	7	8	9	10	
I	$\frac{78}{1}$	$\frac{6}{123}$	$\frac{7}{6}$	$\frac{34}{76}$	$\frac{72}{63}$	$\frac{7}{1}$	$\frac{3}{65}$	$\frac{34}{6}$	$\frac{61}{12}$	$\frac{C}{12}$	10
II	$\frac{76}{32}$	$\frac{32}{876}$	$\frac{235}{876}$	$\frac{32}{876}$	$\frac{12}{12}$	$\frac{5}{7}$	$\frac{213}{6}$	$\frac{34}{87}$	$\frac{34}{87}$	$\frac{34}{87}$	20
21	$\frac{14}{B}$	$\frac{367}{2}$	$\frac{654}{1}$	$\frac{853}{1}$	$\frac{268}{3}$	$\frac{76}{4}$	$\frac{6}{17}$	$\frac{84}{13}$	$\frac{76}{13}$	$\frac{34}{13}$	30
31	$\frac{67}{1}$	$\frac{34}{12}$	$\frac{3}{12}$	$\frac{651}{6}$	$\frac{5}{14}$	$\frac{675}{14}$	$\frac{34}{7}$	$\frac{14}{132}$	$\frac{576}{132}$	$\frac{576}{132}$	40
41	$\frac{783}{14}$	$\frac{78}{13}$	$\frac{53}{13}$	$\frac{3}{876}$	$\frac{327}{876}$	$\frac{36}{12}$	$\frac{673}{2}$	$\frac{1564}{76}$	$\frac{578}{76}$	$\frac{67}{578}$	50
	41	42	43	44	45	46	47	48	49	50	



3 right pane

	51	52	53	54	55	56	57	58	59	60	
51	$\frac{783}{1}$	$\frac{637}{45}$	$\frac{321}{5}$	$\frac{76}{—}$	$\frac{86}{7}$	$\frac{785}{1}$	$\frac{376}{8}$	$\frac{346}{8}$	$\frac{65}{87}$	$\frac{—}{—}$	60
61	$\frac{—}{—}$ B	$\frac{764}{1}$ B	$\frac{53}{78}$ OB	$\frac{76}{—}$ D	$\frac{4}{—}$ BD	$\frac{—}{1}$ D	$\frac{67}{123}$ BD	$\frac{63}{—}$ D	$\frac{763}{1}$ B	$\frac{—}{—}$	70
71	$\frac{753}{—}$	$\frac{7}{6}$	$\frac{534}{76}$	$\frac{732}{—}$	$\frac{213}{36}$	$\frac{67}{—}$	$\frac{34}{87}$	$\frac{—}{5}$	$\frac{768}{—}$	$\frac{—}{—}$	80
81	$\frac{35}{2}$ B	$\frac{75}{12}$ B	$\frac{6}{—}$ DB	$\frac{34}{876}$ B	$\frac{5}{—}$ DB	$\frac{2}{—}$ B	$\frac{2}{—}$ B	$\frac{41}{67}$ B	$\frac{632}{85}$ B	$\frac{65}{78}$	90
91	$\frac{4}{128}$	$\frac{—}{21}$	$\frac{7}{3}$	$\frac{3}{18}$	$\frac{28}{6}$	$\frac{—}{13}$	$\frac{57}{1}$	$\frac{—}{6}$	$\frac{—}{832}$	$\frac{—}{132}$	100
	91	92	93	94	95	96	97	98	99	100	

2 late. left name

	1	2	3	4	5	6	7	8	9	10	
1	$\frac{678}{5}$	46 8	$\frac{523}{76}$	25 6	$\frac{45}{12}$	$\frac{657}{12}$ v	52 $\frac{87}{\epsilon}$	34 —	$\frac{435}{—}$	$\frac{3584}{1}$	10
11	34 78	231 68	3 1 v	41 57	$\frac{3}{124}$	326 1 v	352 716	23 $\frac{678}{—}$	$\frac{583}{1}$ —	468 12	20
21	$\frac{456}{73}$	145 78 BR	$\frac{465}{187}$ L	$\frac{673}{12}$ DB	26 87 B	$\frac{5671}{42}$ B	$\frac{327}{8}$ BD	— 1 OB	$\frac{378}{14}$ B	— 7	30
31	36 817	326 $\frac{78}{—}$	635 178	$\frac{3421}{65}$	$\frac{456}{87}$	2 $\frac{68}{—}$	423 $\frac{78}{—}$	342 $\frac{871}{—}$	$\frac{4}{687}$	58 $\frac{267}{—}$	40
41	$\frac{34}{—}$	657 4 RB	$\frac{546}{127}$ B	2 $\frac{67}{—}$ B	$\frac{75}{12}$ L	$\frac{3}{—}$	14 837 DB	$\frac{3421}{7}$ OB	41 278	$\frac{3265}{18}$	50
	41	42	43	44	45	46	47	48	49	50	



1 late. right pane.

51 52 53 54 55 56 57 58 59 60

51	$\frac{\quad}{21}$	$\frac{247}{51}$	$\frac{\quad}{\quad}$	$\frac{73}{2}$	$\frac{7}{23}$	$\frac{7}{\quad}$	$\frac{2}{476}$	$\frac{8}{35}$	$\frac{67}{1}$	$\frac{3}{571}$ L	60
61	$\frac{16}{432}$ D	$\frac{673}{21}$ near DL	$\frac{67}{\quad}$ U DB	$\frac{84}{635}$ U D	$\frac{251}{76}$ U DB	$\frac{\quad}{\quad}$ U BD	$\frac{7}{16}$ U B	$\frac{76}{4}$ U DL	$\frac{675}{\quad}$ U B	$\frac{\quad}{875}$ U L	70
71	$\frac{56}{3}$ U T	$\frac{6}{3}$	$\frac{47}{21}$ U	$\frac{32}{67}$ U	$\frac{23}{87}$ U	$\frac{\quad}{74}$ U	$\frac{3}{1}$ U	$\frac{2}{\quad}$ U	$\frac{\quad}{124}$ U	$\frac{3}{78}$ U	80
81	$\frac{\quad}{1}$ U near DL	$\frac{\quad}{4}$ U B	$\frac{\quad}{4}$ U B	$\frac{215}{\quad}$ U DL	$\frac{1}{4}$ U	$\frac{\quad}{\quad}$ U X	$\frac{\quad}{431}$ U B	$\frac{7}{56}$ U	$\frac{\quad}{1}$ U BB	$\frac{\quad}{6}$ U L	90
91	$\frac{7}{1}$ U L	$\frac{3}{56}$	$\frac{23}{48}$ U	$\frac{\quad}{82}$ U	$\frac{\quad}{42}$ U	$\frac{\quad}{4}$ U	$\frac{\quad}{48}$ U	$\frac{6}{3}$ U	$\frac{\quad}{\quad}$ U	$\frac{\quad}{541}$ U L	100

91 92 93 94 95 96 97 98 99<sup>^</sup> 100

2 late. left pane.

	51	52	53	54	55	56	57	58	59	60	
51	45 76	<u>14</u>	3264 18	342 87	<u>1</u> 5	<u>345</u> 18	4 12	34 <u>      </u>	346 12	<u>647</u> 21	60
61	647 18	43 1 DR	34 876 B	436 78 B	657 12 BL	6832 <u>      </u> D	654 217	34 <u>1</u> B	34 <u>7</u> B	<u>      </u> 87	70
71	378 1	<u>      </u>	<u>634</u> 82	<u>      </u> 76	3216 48	312 <u>      </u>	436 12	34 178	<u>367</u> 14	658 12	80
81	32 67 B	217 38	3478 1 B	<u>7684</u> 5 BD	5 1 B	<u>      </u> 213 D	843 21 D	<u>4367</u> 1	7 213 D	4675 21	90
91	458 1	<u>63</u> 78	4 8716	34 76	3 1	834 7	342 786	<u>4652</u> 78	<u>32</u> 78	4586 12	100
	91	92	93	94	95	96	97	98	99	100	



2 late. right pane.

	1	2	3	4	5	6	7	8	9	10	
I	$\frac{5}{1}$	$\frac{\quad}{567}$	$\frac{78}{51}$	$\frac{3875}{14}$	$\frac{56}{12}$	$\frac{6}{\quad}$	$\frac{346}{5}$	$\frac{4}{\quad}$	$\frac{\quad}{82}$	$\frac{54}{7}$	10
II	$\frac{64}{12}$	$\frac{42}{\quad}$	$\frac{853}{216}$	$\frac{358}{12}$	$\frac{356}{87}$	$\frac{32}{187}$	$\frac{31}{78}$	$\frac{23}{157}$	$\frac{386}{1}$	$\frac{653}{87}$	20
2I	$\frac{\quad}{16}$	$\frac{748}{123}$ DB	$\frac{67}{123}$ DB	$\frac{36}{7}$ B	$\frac{4}{785}$ OB	$\frac{3465}{87}$ OB	$\frac{67}{48}$ D	$\frac{78}{21}$ D	$\frac{5623}{78}$ L	$\frac{\quad}{123}$	30
3I	$\frac{67}{\text{CF } 31R^3}$	$\frac{654}{12}$	$\frac{65}{873}$	$\frac{5346}{82}$	$\frac{6347}{82}$	$\frac{468}{213}$	$\frac{6}{\quad}$	$\frac{86}{57}$	$\frac{4}{\quad}$	$\frac{2}{8}$	40
4I	$\frac{6}{\quad}$ OB	$\frac{\quad}{13}$ BD	$\frac{65}{28}$ B	$\frac{34}{6}$ B	$\frac{564}{12}$ B	$\frac{\quad}{76}$	$\frac{\quad}{67}$	$\frac{4}{85}$ D	$\frac{6853}{12}$ D	$\frac{56}{\quad}$	50
	41	42	43	44	45	46	47	48	49	50	

2. late. right pane.

	51	52	53	54	55	56	57	58	59	60	
51	$\frac{568}{123}$	$\frac{384}{7}$	$\frac{65}{128}$	$\frac{34}{8}$	$\frac{834}{67}$	$\frac{345}{128}$	$\frac{346}{125}$	$\frac{48}{1267}$	$\frac{854}{76}$	$\frac{645}{2}$	60
61	$\frac{568}{312}$	$\frac{21}{21}$	$\frac{34}{716}$ B	$\frac{1}{1}$ B	$\frac{68}{5}$	$\frac{853}{12}$	$\frac{46}{18}$	$\frac{43}{217}$ D	$\frac{756}{431}$	$\frac{653}{7}$	70
71	$\frac{423}{18}$	$\frac{58}{71}$	$\frac{18}{18}$	$\frac{65}{14}$	$\frac{17}{17}$	$\frac{465}{17}$	$\frac{761}{761}$	$\frac{8}{7}$	$\frac{42}{786}$		80
81	$\frac{785}{13}$ DB	$\frac{41}{41}$ B	$\frac{7}{123}$ DBB	$\frac{38}{13}$	$\frac{7}{12}$	$\frac{412}{12}$ B	$\frac{786}{13}$	$\frac{65}{87}$	$\frac{6582}{346}$	$\frac{46}{17}$	90
91	$\frac{54}{716}$	$\frac{43}{671}$	$\frac{87}{87}$	$\frac{465}{87}$	$\frac{6584}{1}$	$\frac{863}{1}$	$\frac{76}{21}$	$\frac{823}{6}$	$\frac{5}{5}$	$\frac{86}{86}$	100
	91	92	93	94	95	96	97	98	99	100	



# 3 right pane\*

1<sub>T</sub> 2<sub>T</sub> 3<sub>T</sub> 4<sub>T</sub> 5<sub>T</sub> 6<sub>T</sub> 7<sub>T</sub> 8<sub>T</sub> 9<sub>T</sub> 10<sub>x</sub>

1	$\frac{7}{1}$	6 1	7 6	34 $\frac{716}{63}$	$\frac{278}{1}$	76 $\frac{65}{1}$	3 $\frac{34}{6}$	' $\frac{61}{12}$	$\frac{C}{12}$	10
11	$\frac{76}{32}$ v	$\frac{327}{v}$	$\frac{235}{876}$ 	326 	$\frac{543}{7}$	213 	34 6	34 87	$\frac{34}{87}$	20
21	$\frac{867}{14}$ B	$\frac{367}{2}$ BD	$\frac{6458}{12}$ D	$\frac{853}{1}$ B	$\frac{264}{3}$ BD	$\frac{768}{4}$ B	6 17 BL	$\frac{762}{v}$ D	$\frac{34}{v}$	30
31	67 $\frac{1}{v}$	34	3 $\frac{12}{v}$	$\frac{6315}{6}$ v	W- $\frac{325}{18}$	$\frac{675}{v}$ 	34 7	$\frac{756}{132}$		40
41	$\frac{783}{14}$ B	$\frac{786}{132}$ B	53 X	$\frac{3}{876}$ D	$\frac{327}{v}$ BD	$\frac{3465}{1}$ BD	$\frac{367}{2}$ B	$\frac{1564}{76}$ X	$\frac{578}{67}$ B	50

41 42 43 44 45 46 47 48 49 50

# 3 right pane.

	51	52	53	54	55	56	57	58	59	60	
51	783 /	<u>637</u> 45	321 45	<u>76</u> —	<u>86</u> 67	7853 1	<u>367</u> —	<u>346</u> —	<u>65</u> 87	— —	60
61	— — B	7846 1 B	536 78 OB	<u>76</u> — D	4 — BD	— 1 D	<u>67</u> 123 BD	<u>63</u> — D	7634 — B	— —	70
71	<u>753</u> —	753 —	<u>5342</u> 761	<u>732</u> — L	<u>213</u> 36	<u>67</u> —	346 875	— 5	<u>768</u> —	W- —	80
81	<u>653</u> 2 B	<u>753</u> 612 B	<u>6</u> — DB	<u>34</u> 876 B	5 628 DB	<u>2</u> 5 B	<u>2</u> — B	416 67 X	<u>632</u> 8 B	<u>652</u> 78	90
91	4 128	— 21	<u>7</u> 3	3 18	286 6	— 13	<u>572</u> 1	— 6	— 832	— 132	100
	91	92	93	94	95	96	97	98	99	100	



1 late. left pane.

	1	2	3	4	5	6	7	8	9	10	
1	$\begin{array}{r} 786 \\ \hline 124 \end{array}$	$\begin{array}{r} 8 \\ 56 \end{array}$	$\begin{array}{r} \text{---} \\ 14 \end{array}$	$\begin{array}{r} 76 \\ \hline 51 \end{array}$	$\begin{array}{r} A \\ 74 \\ \hline 523 \end{array}$	$\begin{array}{r} A \\ 37 \\ 51 \end{array}$	$\begin{array}{r}    \\ 73 \\ \hline 56 \end{array}$	$\begin{array}{r}    \\ 786 \\ 5 \end{array}$	$\begin{array}{r}    \\ 342 \\ \hline 578 \end{array}$	$\begin{array}{r}    \\ \text{---} \\ \text{---} \end{array}$	10
11	$\begin{array}{r} 23 \\ \hline \text{---} \\ 5 \end{array}$	$\begin{array}{r} 312 \\ 8 \end{array}$	$\begin{array}{r} \text{---} \\ 57 \end{array}$	$\begin{array}{r}    \\ 76 \\ \text{---} \end{array}$	$\begin{array}{r} \text{---} \\ 56 \end{array}$	$\begin{array}{r} \text{---} \\ 5 \end{array}$	$\begin{array}{r} 73 \\ \hline 561 \end{array}$	$\begin{array}{r} \text{---} \\ 56 \end{array}$	$\begin{array}{r} 67 \\ 5 \end{array}$	$\begin{array}{r} 3 \\ \hline 567 \end{array}$	20
21	$\begin{array}{r} \text{---} \\ \hline 15 \end{array}$ L	$\begin{array}{r} 3278 \\ 45 \end{array}$ B	$\begin{array}{r} 3267 \\ 1 \end{array}$ B	$\begin{array}{r} \text{---} \\ 5 \end{array}$ L+DB	$\begin{array}{r} 867 \\ \hline 3 \end{array}$ D	$\begin{array}{r} 348 \\ 67 \end{array}$ X	$\begin{array}{r} \text{---} \\ \text{---} \end{array}$ X	$\begin{array}{r} \text{---} \\ \text{---} \end{array}$ B	$\begin{array}{r}    \\ 2687 \\ 5 \end{array}$ B	$\begin{array}{r}    \\ \text{---} \\ 57 \end{array}$ L	30
31	$\begin{array}{r} 768 \\ 52 \end{array}$ B	$\begin{array}{r} 32 \\ \hline 56 \end{array}$	$\begin{array}{r} 832 \\ \hline 41 \end{array}$	$\begin{array}{r} 7386 \\ \hline 52 \end{array}$	$\begin{array}{r} 67 \\ 5 \end{array}$	$\begin{array}{r} 23 \\ \hline \text{---} \end{array}$	$\begin{array}{r} 23 \\ \hline 876 \end{array}$	$\begin{array}{r} 8 \\ \hline \text{---} \end{array}$	$\begin{array}{r} 67 \\ 52 \end{array}$	$\begin{array}{r} 6 \\ 5 \end{array}$ L	40
41	$\begin{array}{r} 78 \\ 5 \end{array}$ B	$\begin{array}{r}    \\ \text{---} \\ 4 \end{array}$ B	$\begin{array}{r} \text{---} \\ \text{---} \end{array}$ D	$\begin{array}{r} 6782 \\ 5 \end{array}$ DB	$\begin{array}{r} 728 \\ 56 \end{array}$	$\begin{array}{r}    \\ 7234 \\ 51 \end{array}$ PL	$\begin{array}{r} 63 \\ \hline 85 \end{array}$ X	$\begin{array}{r} 327 \\ 5 \end{array}$ B	$\begin{array}{r}    \\ 3782 \\ \text{---} \end{array}$ D	$\begin{array}{r} 61 \\ \hline 58 \end{array}$ L	50
	41	42	43	44	45	46	47	48	49	50	

4/28/75

Dear Tom -

Here are the 12 sheets (2 color)  
for plates 1 late, 2 late + three.  
This will permit your artist to do enough to  
get an estimate on printing costs.

When the matter is decided I will  
send the other charts. Also will expand  
the introduction to not more than 8 pages.

I will appreciate the return of  
these original charts when thru with them.

Hastily,

D. A. Card  
Hamilton, N.Y.  
13346



late left pane

DT. 3, 5, 10, 11, 21, 31, 33, 37.

	1	2	3	4	5	6	7	8	9	10	
1	78 124	8 56	— 14	76 512	A 74 528	A 37 51	37 56	786 5	34 578	— —	10
11	23 58	312 8	— 57	76 —	— 56	— 5	73 561	— 56	67 54	— 567	20
21	— 15	3278 45	3267 1	— 5	867 3	348 67	— —	— —	26 5	— 57	30
	L	B	B	L+DB	D	x	x	B	B		
31	768 52	32 56	87 41	7386 52	67 5	23 —	32 876	8 64	67 52	6 5	40
41	78 5	— 4	— —	672 5	7 56	1234 5	63 85	327 —	378 —	61 58	50
	B	B	near D	DB	near BD	BL	x	B	D		
	41	42	43	44	45	46	47	48	49	50	

late left pane

DT 51, 55, 56, 62, 66, 74, 75, 83, 85, 92

	51	52	53	54	55	56	57	58	59	60	
51	$\begin{array}{r} \uparrow 23 \\ 56 \end{array}$	$\begin{array}{r} 813 \\ 56 \end{array}$	$\begin{array}{r} 12 \\ \hline \end{array}$	$\begin{array}{r}   3 \\ \hline 62 \end{array}$	$\begin{array}{r}   78 \\ \hline 45 \end{array}$	$\begin{array}{r} \text{---} \\ 1 \end{array}$	$\begin{array}{r} 783 \\ 5 \end{array}$	$\begin{array}{r} 768 \\ \hline \end{array}$	$\begin{array}{r} \uparrow 73 \\ 5 \end{array}$	$\begin{array}{r} 632 \\ 4 \end{array}$	60
61	$\begin{array}{r} \text{---} \\ 58 \\ B \end{array}$	$\begin{array}{r}   13 \\ \hline \end{array}$ B	$\begin{array}{r} \text{---} \\ 5 \\ \text{near D} \end{array}$	$\begin{array}{r} 4 \\ 57 \\ D \end{array}$	$\begin{array}{r} 7621 \\ 4 \\ B \end{array}$	$\begin{array}{r} \text{---} \\ 56 \\ D \end{array}$	$\begin{array}{r} 683 \\ 12 \\ X \end{array}$	$\begin{array}{r} \uparrow 863 \\ \hline \end{array}$ X	$\begin{array}{r} 2 \\ 85 \\ BL \end{array}$	$\begin{array}{r} 68 \\ 4 \end{array}$	70
71	$\begin{array}{r} \uparrow \text{---} \\ \hline \end{array}$	$\begin{array}{r} \text{---} \\ 3 \\ 5 \end{array}$	$\begin{array}{r} 21 \\ \hline 84 \end{array}$	$\begin{array}{r} 5 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ 4 \end{array}$	$\begin{array}{r} 732 \\ \hline 15 \end{array}$	$\begin{array}{r} \text{---} \\ \hline 176 \end{array}$	$\begin{array}{r} \uparrow \text{---} \\ 5 \end{array}$	$\begin{array}{r} \text{---} \\ 7 \\ 4 \end{array}$	$\begin{array}{r} 67 \\ 5 \end{array}$	80
81	$\begin{array}{r} \text{---} \\ 67 \\ 5 \\ B \end{array}$	$\begin{array}{r} \text{---} \\ \hline 85 \end{array}$	$\begin{array}{r}   \text{---} \\ \hline 6 \\ B \end{array}$	$\begin{array}{r} 362 \\ \hline 78 \\ B \end{array}$	$\begin{array}{r}   86 \\ 4 \\ D \end{array}$	$\begin{array}{r}   \text{---} \\ \hline 1 \\ D \end{array}$	$\begin{array}{r} 86 \\ \hline 123 \\ D \end{array}$	$\begin{array}{r} 23 \\ \hline 5 \\ X \end{array}$	$\begin{array}{r} 32 \\ \hline 75 \\ B \end{array}$	$\begin{array}{r} \text{---} \\ \hline \end{array}$	90
91	$\begin{array}{r} 6 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ \hline 71 \end{array}$	$\begin{array}{r} 12 \\ 876 \end{array}$	$\begin{array}{r}   76 \\ \hline \end{array}$	$\begin{array}{r}     76 \\ \hline \end{array}$	$\begin{array}{r}   65 \\ \hline \end{array}$	$\begin{array}{r} 312 \\ 8 \end{array}$	$\begin{array}{r}   \text{---} \\ \hline 6 \end{array}$	$\begin{array}{r} 6 \\ \hline 18 \end{array}$	$\begin{array}{r} 7 \\ \hline 475 \end{array}$	100
	91	92	93	94	95	96	97	98	99	100	



late right pane

T. 2, 3, 8, 9, 12, 22, 34.

	1	2	3	4	5	6	7	8	9	10	
I	3 5	— 56	346 —	4 5	3 8	2 85	78 56	C 6	76 —	C* 32 8	10
II	— 51	31 25	781 5	324 —	— 5	3 56	786 —	6 21	76 1	23 —	20
L 21	87 124 BL	2 — ↓	3 27 B	23 67 L	— 2 x	— 16 B	— 4 B	23 — L	23 78 B	324 8	30
31	78 12	8 41	132 5	— 52	86 1	367 12	— 14	21 76	2 45	21 68	40
L 41	87 21	— 12 BD	— 216 B	78 5 BL	237 4 x	32 85 LB	8 6 B	8 46 D	7821 — B	— 48	50
	41	42	43	44	45	46	47	48	49	50	

late right pane

DL 64, 70, 71, 80, 90, 92, 95, 98.

	51	52	53	54	55	56	57	58	59	60	
51	$\frac{\quad}{21}$	$\uparrow \frac{237}{51}$	$\uparrow \frac{\quad}{\quad}$	$\frac{73}{2}$	$\uparrow \frac{7}{23}$	$\frac{76}{\quad}$	$\frac{2}{476}$	$\frac{8}{351}$	$\frac{67}{1}$	$\frac{3}{57}$	L 60
61	$\vdots \frac{16}{43}$	$\frac{67}{21}$	$\frac{67}{\quad}$	$\frac{84}{63}$	$\parallel \frac{25}{76}$	$\frac{\quad}{\quad}$	$\frac{7}{16}$	$\frac{76}{4}$	$\frac{675}{\quad}$	$\frac{2}{875}$	70
	D	near DL	DB	D	OB	BD	B	DL	B		
71	$\sqcup \frac{568}{\quad}$	$\frac{6}{38}$	$\frac{47}{21}$	$\frac{32}{76}$	$\parallel \frac{23}{87}$	$\frac{6}{47}$	$\uparrow \frac{3}{1}$	$\frac{\quad}{\quad}$	$\frac{\quad}{124}$	$\frac{36}{78}$	80
	$\frac{\quad}{3}$										
81	$\vdots \frac{\quad}{1}$	$\frac{\quad}{4}$	$\frac{\quad}{4}$	$\frac{215}{\quad}$	$\parallel \frac{1}{4}$	$\frac{\quad}{\quad}$	$\frac{\quad}{431}$	$\frac{7}{56}$	$\frac{\quad}{1}$	$\frac{\quad}{6}$	L 90
	near DL	B	B	DL		x	B	D	BD		
L 91	$\frac{7}{1}$	$\frac{3}{56}$	$\frac{23}{48}$	$\frac{\quad}{82}$	$\frac{\quad}{42}$	$\frac{8}{4}$	$\frac{\quad}{48}$	$\frac{6}{3}$	$\frac{\quad}{3}$	$\frac{\quad}{54}$	L 100
	91	92	93	94	95	96	97	98	99	100	



2 late left pane

DT. 2, 4, 9, 14, 19, 24

	1	2	3	4	5	6	7	8	9	10	
1	$\frac{786}{56}$	$\frac{4}{87}$	$\frac{53}{76}$	$\frac{2}{6}$	$\frac{4}{12}$	$\frac{65}{12}$	$\frac{52}{87}$	$\frac{3}{-}$	$\frac{53}{1}$	$\frac{365}{1}$	10
11	$\frac{3}{7}$	$\frac{231}{68}$	$\frac{3}{1}$	$\frac{41}{57}$	$\frac{3}{124}$	$\frac{326}{1}$	$\frac{35}{71}$	$\frac{23}{-}$	$\frac{583}{1}$	$\frac{46}{21}$	20
21	$\frac{4}{73}$ D	$\frac{14}{78}$ BR	$\frac{465}{187}$ L	$\frac{6}{12}$ DB	$\frac{26}{87}$ B	$\frac{1}{42}$ B	$\frac{327}{,8}$ BD	$\frac{-}{1}$ OB	$\frac{37}{14}$ B	$\frac{-}{7}$	30
31	$\frac{3}{81}$	$\frac{32}{78}$	$\frac{63}{178}$	$\frac{3421}{65}$	$\frac{546}{87}$	$\frac{2}{-}$	$\frac{43}{78}$	$\frac{342}{87}$	$\frac{-}{6}$	$\frac{58}{62}$	40
41	$\frac{34}{-}$ D	$\frac{65}{4}$ RB	$\frac{-}{127}$ B	$\frac{21}{67}$ B	$\frac{7}{12}$ D	$\frac{3}{-}$ x	$\frac{14}{8}$ DB	$\frac{3}{-}$ OB	$\frac{41}{3}$ DB	$\frac{326}{18}$	50
	41	42	43	44	45	46	47	48	49	50	

2 late left pane

DT. 82, 92.

	51	52	53	54	55	56	57	58	59	60	
51	$\begin{array}{r} 45 \\ \hline 76 \end{array}$	$\begin{array}{r} \text{---} \\ \hline 14 \end{array}$	$\begin{array}{r} 326 \\ \hline \end{array}$	$\begin{array}{r} 324 \\ \hline 8 \end{array}$	$\begin{array}{r} \text{---} \\ \hline \end{array}$	$\begin{array}{r} 346 \\ \hline 18 \end{array}$	$\begin{array}{r} 43 \\ 12 \end{array}$	$\begin{array}{r} 34 \\ \hline \end{array}$	$\begin{array}{r} 346 \\ 12 \end{array}$	$\begin{array}{r} 63 \\ \hline 21 \end{array}$	60
61	$\begin{array}{r} 64 \\ \hline 18 \end{array}$ B	$\begin{array}{r} 43 \\ 1 \end{array}$ DR	$\begin{array}{r} 34 \\ 876 \end{array}$ B	$\begin{array}{r} 34 \\ 78 \end{array}$ B	$\begin{array}{r} 657 \\ 12 \end{array}$ BL	$\begin{array}{r} 683 \\ \hline \end{array}$ D	$\begin{array}{r} 65 \\ 217 \end{array}$ D	$\begin{array}{r} 34 \\ 1 \end{array}$ B	$\begin{array}{r} 34 \\ \hline 7 \end{array}$ B	$\begin{array}{r} \text{---} \\ \hline 87 \end{array}$	70
71	$\begin{array}{r} 3 \\ 1 \end{array}$ B	$\begin{array}{r} \text{---} \\ \hline \end{array}$	$\begin{array}{r} 346 \\ 8 \end{array}$	$\begin{array}{r} \text{---} \\ \hline 76 \end{array}$	$\begin{array}{r} 321 \\ 48 \end{array}$	$\begin{array}{r} 312 \\ \hline 6 \end{array}$	$\begin{array}{r} 43 \\ 12 \end{array}$	$\begin{array}{r} 34 \\ 17 \end{array}$	$\begin{array}{r} 36 \\ \hline 1 \end{array}$	$\begin{array}{r} 658 \\ \hline 12 \end{array}$	80
81	$\begin{array}{r} 32 \\ 67 \end{array}$ B	$\begin{array}{r} 217 \\ 38 \end{array}$	$\begin{array}{r} 347 \\ 12 \end{array}$ B	$\begin{array}{r} 768 \\ 56 \end{array}$ BD	$\begin{array}{r} 5 \\ \hline 1 \end{array}$ B	$\begin{array}{r} \text{---} \\ \hline 213 \end{array}$ D	$\begin{array}{r} 874 \\ 21 \end{array}$ D	$\begin{array}{r} 437 \\ \hline 1 \end{array}$ RB	$\begin{array}{r} 7 \\ 213 \end{array}$ D	$\begin{array}{r} 467 \\ \hline 21 \end{array}$	90
91	$\begin{array}{r} 4 \\ 167 \end{array}$	$\begin{array}{r} 63 \\ \hline 78 \end{array}$	$\begin{array}{r} 4 \\ 8761 \end{array}$	$\begin{array}{r} 3 \\ \hline 76 \end{array}$	$\begin{array}{r} 3 \\ \hline 1 \end{array}$	$\begin{array}{r} 83 \\ 7 \end{array}$	$\begin{array}{r} 32 \\ 876 \end{array}$	$\begin{array}{r} \text{---} \\ \hline 78 \end{array}$	$\begin{array}{r} 32 \\ \hline 78 \end{array}$	$\begin{array}{r} 467 \\ 12 \end{array}$	100
	91	92	93	94	95	96	97	98	99	100	



late right pane

DT. 3, 6, 7, 16, 26.

	1	2	3	4	5	6	7	8	9	10	
1	$\frac{5}{1}$	$\frac{7}{567}$	$\frac{78}{5}$	$\frac{387}{14}$	$\frac{5}{12}$	$\frac{6}{-}$	$\frac{36}{5}$	$\frac{3}{-}$	$\frac{37}{82}$	$\frac{54}{678}$	10
11	$\frac{64}{12}$	$\frac{42}{-}$	$\frac{85}{216}$	$\frac{-}{12}$	$\frac{3}{87}$	$\frac{32}{-}$	$\frac{31}{768}$	$\frac{32}{157}$	$\frac{386}{6}$	$\frac{653}{87}$	20
21	$\frac{-}{16}$ B	$\frac{78}{123}$ DB	$\frac{67}{123}$ DB	$\frac{6}{7}$ B	$\frac{4}{785}$ OB	$\frac{346}{87}$ OB	$\frac{67}{48}$ D	$\frac{78}{12}$ D	$\frac{562}{87}$ LD	$\frac{-}{123}$	30
31	$\frac{6}{-}$	$\frac{36}{12}$	$\frac{6}{873}$	$\frac{346}{82}$	$\frac{634}{8}$	$\frac{48}{213}$	$\frac{6}{-}$	$\frac{87}{57}$	$\frac{4}{-}$	$\frac{2}{8}$	40
41	$\frac{6}{-}$ OB	$\frac{-}{13}$ BD	$\frac{65}{28}$ B	$\frac{34}{6}$ B	$\frac{564}{12}$ B	$\frac{-}{76}$ OB	$\frac{-}{6}$ x	$\frac{4}{85}$ D	$\frac{6783}{12}$ D	$\frac{56}{-}$	50
	41	42	43	44	45	46	47	48	49	50	

2 late Right pane

DT. 66, 87, 97.

	51	52	53	54	55	56	57	58	59	60	
51	$\begin{array}{r} 568 \\ 123 \end{array}$	$\begin{array}{r} 38 \\ 7 \end{array}$	$\begin{array}{r} 65 \\ 123 \end{array}$	$\begin{array}{r} 34 \\ \hline \end{array}$	$\begin{array}{r} 84 \\ 67 \end{array}$	$\begin{array}{r} 346 \\ 128 \end{array}$	$\begin{array}{r} 36 \\ 123 \end{array}$	$\begin{array}{r} 84 \\ 127 \end{array}$	$\begin{array}{r} 85 \\ 76 \end{array}$	$\begin{array}{r} 6 \\ 27 \end{array}$	60
61	$\begin{array}{r} 865 \\ 312 \\ B \end{array}$	$\begin{array}{r} \hline 21 \end{array}$	$\begin{array}{r} 3 \\ 786 \\ B \end{array}$	$\begin{array}{r} 76 \\ 1 \\ B \end{array}$	$\begin{array}{r} 68 \\ 5 \\ B \end{array}$	$\begin{array}{r} 865 \\ 12 \end{array}$	$\begin{array}{r} 46 \\ 18 \\ D \end{array}$	$\begin{array}{r} 43 \\ 217 \\ D \end{array}$	$\begin{array}{r} 765 \\ 43 \\ B \end{array}$	$\begin{array}{r} 653 \\ 7 \end{array}$	70
71	$\begin{array}{r} 432 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ 173 \end{array}$	$\begin{array}{r} \hline 1 \end{array}$	$\begin{array}{r} 65 \\ 14 \end{array}$	$\begin{array}{r} \hline \end{array}$	$\begin{array}{r} 465 \\ 17 \end{array}$	$\begin{array}{r} \hline \end{array}$	$\begin{array}{r} 8 \\ 761 \end{array}$	$\begin{array}{r} \hline 7 \end{array}$	$\begin{array}{r} 4 \\ 78 \end{array}$	80
81	$\begin{array}{r} 785 \\ 13 \\ DB \end{array}$	$\begin{array}{r} \hline 41 \\ B \end{array}$	$\begin{array}{r} 7 \\ 123 \\ DB \end{array}$	$\begin{array}{r} 38 \\ 13 \end{array}$	$\begin{array}{r} 7 \\ 123 \end{array}$	$\begin{array}{r} 124 \\ \hline B \end{array}$	$\begin{array}{r} 7 \\ 13 \\ x \end{array}$	$\begin{array}{r} 65 \\ 87 \end{array}$	$\begin{array}{r} 86 \\ 346 \end{array}$	$\begin{array}{r} 46 \\ 17 \end{array}$	90
91	$\begin{array}{r} 5 \\ 761 \end{array}$	$\begin{array}{r} 43 \\ 671 \end{array}$	$\begin{array}{r} \hline 87 \end{array}$	$\begin{array}{r} 465 \\ \hline \end{array}$	$\begin{array}{r} 658 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ 1 \end{array}$	$\begin{array}{r} 7 \\ 21 \end{array}$	$\begin{array}{r} 823 \\ 6 \end{array}$	$\begin{array}{r} 5 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ \hline \end{array}$	100
	91	92	93	94	95	96	97	98	99	100	



3 left pane

DT. - 1

	1	2	3	4	5	6	7	8	9	10	
I	$\begin{array}{r} 875 \\ 12 \end{array}$	$\begin{array}{r} 568 \\ 12 \end{array}$	$\begin{array}{r} \text{---} \\ 65 \end{array}$	$\begin{array}{r} 78 \\ 321 \end{array}$	$\begin{array}{r} 78 \\ \text{---} \end{array}$	$\begin{array}{r} \uparrow 78 \\ \text{---} \end{array}$	$\begin{array}{r} \uparrow \text{---} \\ 21 \end{array}$	$\begin{array}{r} \approx 783 \\ 14 \end{array}$	$\begin{array}{r} 23 \\ 14 \end{array}$	$\begin{array}{r} 4 \\ 12 \end{array}$	10
II	$\begin{array}{r} 743 \\ 1 \end{array}$	$\begin{array}{r} \uparrow 1476 \\ 325 \end{array}$	$\begin{array}{r} 13 \\ 6 \end{array}$	$\begin{array}{r} \text{---} \\ 5 \end{array}$	$\begin{array}{r} 652 \\ 37 \end{array}$	$\begin{array}{r} 487 \\ 12 \end{array}$	$\begin{array}{r} 32 \\ 5 \end{array}$	$\begin{array}{r} 3 \\ 127 \end{array}$	$\begin{array}{r} 3 \\ 12 \end{array}$	$\begin{array}{r} 56 \\ 1 \end{array}$	20
2I	$\begin{array}{r} 234 \\ \text{---} \end{array}$	$\begin{array}{r} \uparrow 234 \\ 58 \\ B \end{array}$	$\begin{array}{r} \uparrow 457 \\ 12 \\ DB \end{array}$	$\begin{array}{r} \uparrow 765 \\ 312 \end{array}$	$\begin{array}{r} \text{---} \\ 1 \\ B \end{array}$	$\begin{array}{r} 27 \\ 64 \\ B \end{array}$	$\begin{array}{r} \text{---} \\ 68 \end{array}$	$\begin{array}{r} \uparrow 21 \\ 5 \\ D \end{array}$	$\begin{array}{r} \text{---} \\ \text{---} \\ B \end{array}$	$\begin{array}{r} \text{---} \\ \text{---} \end{array}$	30
3I	$\begin{array}{r} 4 \\ \text{---} \end{array}$	$\begin{array}{r} \uparrow 342 \\ 8 \end{array}$	$\begin{array}{r} 32 \\ 8756 \end{array}$	$\begin{array}{r} 786 \\ 3 \end{array}$	$\begin{array}{r} 783 \\ 12 \end{array}$	$\begin{array}{r} 32 \\ \text{---} \end{array}$	$\begin{array}{r} \uparrow 7 \\ 21 \end{array}$	$\begin{array}{r} \uparrow 8 \\ \text{---} \end{array}$	$\begin{array}{r} \text{---} \\ \text{---} \end{array}$	$\begin{array}{r} 42 \\ 1 \end{array}$	40
4I	$\begin{array}{r} \text{---} \\ \text{---} \\ B \end{array}$	$\begin{array}{r} \uparrow 7 \\ \text{---} \\ BD \end{array}$	$\begin{array}{r} \text{---} \\ 876 \\ DB \end{array}$	$\begin{array}{r} 78 \\ 3 \end{array}$	$\begin{array}{r} \text{---} \\ 56 \\ D \end{array}$	$\begin{array}{r} \uparrow 123 \\ 65 \\ D \end{array}$	$\begin{array}{r} 4 \\ 8 \\ B \end{array}$	$\begin{array}{r} \uparrow 64 > \\ 872 \\ DB \end{array}$	$\begin{array}{r} \text{---} \\ \text{---} \\ B \end{array}$	$\begin{array}{r} \uparrow 5 \\ 63 \end{array}$	50
	41	42	43	44	45	46	47	48	49	50	

3 left pane

	51	52	53	54	55	56	57	58	59	60	
51	$\frac{84}{76}$	$\frac{21}{-}$	$\frac{23}{87}$	$\frac{578}{-}$	$\frac{436}{-}$	$\begin{array}{c} 4 \\ 8 \end{array}$	$\frac{567}{23}$	$\frac{12}{-}$	$\frac{32}{41}$	$\frac{2}{-}$	60
61	$\frac{76}{1}$ B	$\frac{41}{8}$ B	$\frac{-}{871}$ B	$\frac{23}{4}$ D	$\frac{785}{-}$ B	$\frac{-}{-}$ B	$\frac{21}{87}$ B	$\frac{4}{8}$ BR	$\frac{-}{1}$ B	$\frac{5}{8}$	70
71	$\frac{-}{-}$	$\frac{-}{-}$	$\frac{6}{1}$	$\frac{-}{21}$	$\frac{568}{12}$	$\frac{3}{78}$	$\frac{75}{126}$	$\frac{-}{8}$	$\frac{-}{4}$	$\frac{-}{6}$	80
81	$\frac{2734}{-}$ B	$\frac{6754}{1}$ D	$\frac{65^{1-}}{12}$ B	$\frac{786}{12}$ B	$\frac{-}{-}$ DL	$\frac{2}{-}$ D	$\frac{12}{-}$ BD	$\frac{-}{5}$ R	$\frac{4}{1}$ B	$\frac{-}{-}$	90
91	$\frac{-}{31}$	$\frac{-}{-}$	$\frac{-}{56}$	$\frac{-}{-}$	$\frac{78}{3}$	$\frac{65}{34}$	$\frac{478}{216}$	$\frac{-}{-}$	$\frac{34}{12}$	$\frac{758}{6}$	100
	91	92	93	94	95	96	97	98	99	100	



3 right pane

DT. - 6

	1	2	3	4	5	6	7	8	9	10	
1	$\frac{78}{1}$	$\frac{6}{123}$	$\frac{7}{6}$	$\frac{34}{76}$	$\frac{72}{63}$	$\frac{7}{1}$	$\frac{3}{65}$	$\frac{34}{6}$	$\frac{61}{61}$	$\frac{C}{12}$	10
11	$\frac{76}{32}$	$\frac{32}{—}$	$\frac{235}{876}$	$\frac{32}{—}$	$\frac{—}{12}$	$\frac{5}{7}$	$\frac{213}{—}$	$\frac{34}{6}$	$\frac{34}{87}$	$\frac{34}{87}$	20
21	$\frac{—}{14}$ B	$\frac{367}{2}$ BD	$\frac{654}{1}$ DB	$\frac{853}{1}$ B	$\frac{268}{3}$ BD	$\frac{76}{4}$ B	$\frac{6}{17}$ D	$\frac{—}{84}$ BL	$\frac{76}{13}$ D	$\frac{34}{—}$	30
31	$\frac{67}{1}$	$\frac{34}{—}$	$\frac{3}{12}$	$\frac{651}{6}$	$\frac{—}{—}$	$\frac{5}{14}$	$\frac{675}{—}$	$\frac{34}{7}$	$\frac{—}{14}$	$\frac{576}{132}$	40
41	$\frac{783}{14}$ B	$\frac{78}{13}$ B	$\frac{53}{—}$ X	$\frac{3}{876}$ D	$\frac{327}{—}$ BD	$\frac{36}{12}$ BD	$\frac{673}{2}$ B	$\frac{1564}{76}$ X	$\frac{—}{578}$ B	$\frac{67}{—}$	50
	41	42	43	44	45	46	47	48	49	50	

3 right pane

	51	52	53	54	55	56	57	58	59	60	
51	783   1	<u>637</u> 45	321 5	76 —	86 7	785 1	376 8	<u>346</u> 8	65 87	— —	60
61	— — B	764 1 B	53 78 OB	<u>76</u> — D	4 — BD	— 1 D	67 123 BD	<u>63</u> — D	763 1 B	— —	70
71	<u>753</u> —	7 6	534 76	732 —	213 36	<u>67</u> —	34 87	— 5	<u>768</u> —	— —	80
81	<u>35</u> 2 B	<u>75</u> 12 B	<u>6</u> — DB	34 876 B	5 — DB	<u>2</u> — B	<u>2</u> — B	41 67 X	<u>632</u> 85 B	65 78	90
91	4 128	— 21	7 3	3 18	28 6	— 13	<u>57</u> 1	— 6	— 832	— 132	100
	91	92	93	94	95	96	97	98	99	100	



51	52	53	54	55	56	57	58	59	60
a	a	a	a	a	a	a	a	a	a
b	b	b	b	b	b	b	b	b	b
a	a	a	a	a	a	a	a	a	a
b	b	b	b	b	b	b	b	b	b
b	b	b	b	b	b	b	b	b	b

60

70

80

90

100

+