Stedman for beginners

Beginners like me ...James Thorpe

jfthorpe@gmail.com

History - Single Swaps or "Plain Changes"

In the first half of 1600's:

Single swaps only on five bells only

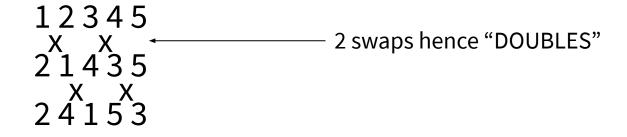
c1642 ASCYs rang a "Plain Six-Score on Five Bells

But that was boring even in 17th century

History - Cross Changes

So "CROSS CHANGES" were invented - more than one change at the same time

We now think this is NORMAL CHANGE RINGING



The first extent using cross changes

A "Cross Peal"

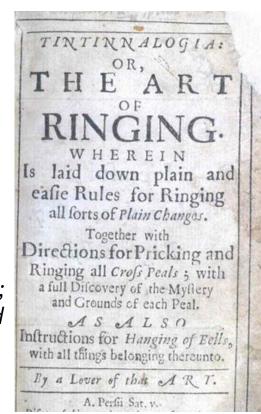
Devised by Robert Roan In order to generate all 120 changes

Publication published by Stedman

1668 Tintinnalogia published

Dedicated to "the Noble Society of Colledge-Youths" (Roan is Master in 1652)

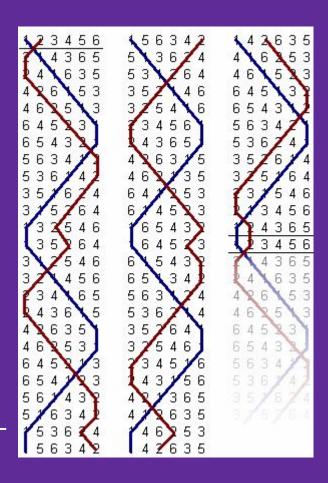
Wherein Is laid down plain and easie Rules for Ringing all sorts of "Plain Changes". Together with Directions for Pricking and Ringing all "**Cross Peals**"; with a full Discovery of the Mystery and Grounds of each Peal.



Poem By Roan about his method is reproduced:

A Gentlemen of the Noble Crew Of Colledge Youths, there lately blew A wind, which to my Noddle flew....

....And drink good Sack till Sky looks blew, So "Grandsire" bids you All adieu. Robert Roan also invented "**Grandsire Bob**" a 720 based on this... However the name did not stick...



Publication written by Stedman

1677 Campanologia published

Containing an alternative method of generating 120

Stedman's Principle

London Peals continues there dodging fix changes with on bell and fix with another, and then in course the Parting change brings it down. One for cuts compais, the next doth not, and fo be turns fucceffively. In the fix which cut on pafs the two first bells of the three makes the first change of it, but in the other the two last of the three. By this method the sell will go fixty changes, and to carry it on far ther extreme must be made. An extreme made by the lying still of two bells when b courfe they should make a change, as before I have shewed more fully in the Introduction pay, 90, but withall observing, that where in this peal the bells have all a like course. therefore they may all be termed extra bells, and confequently the extremes to made according to this general rule, viz. first excreammay be made by any two be that are in course to make a change w the compals of the first fixty changes of the peal; and the second extream must be according to this rule, Whatfoever two be are dodging behind at the first extreon, the fame two bells come to dodg there again is a certain warning for the second extra to be then made. And observe, how changes the frit extreem is made from

ing chapge; fo many likewife must the

be made after a Parting change also. the fingle and extreme comes in courfe 41513 54131 21534 12345 435 45231 52413 12543 4153 54213 52134 15234

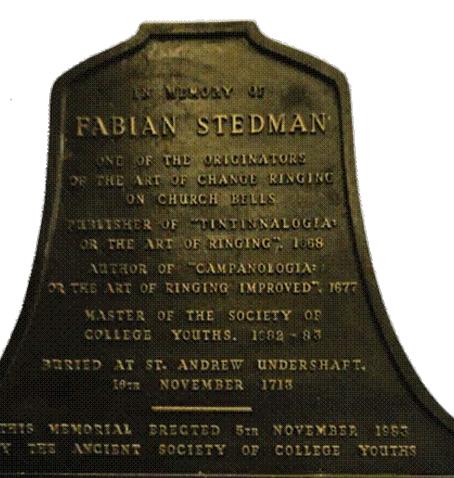
of them to he made in the fame place

upon fix Bells.

131

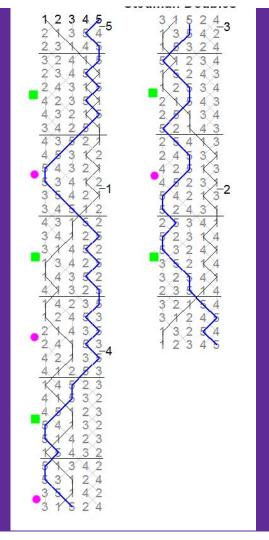
St Andrew Undershaft



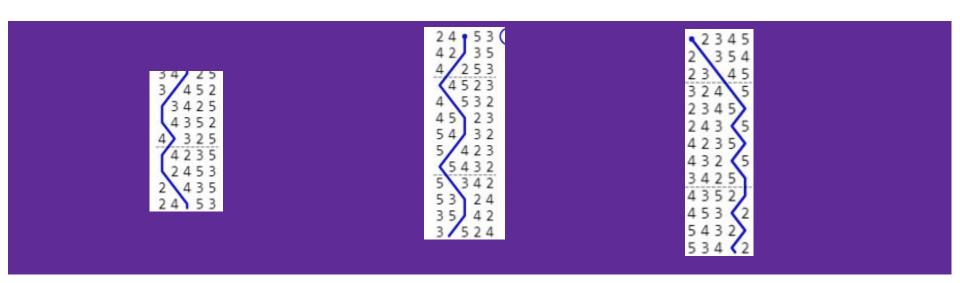


Stedman's Principle or "Stedman"

Principles are methods
Not many methods are principles



Some unfamiliar pieces of work



All based on plain hunt 3

Only 6 changes are possible 3! = 6

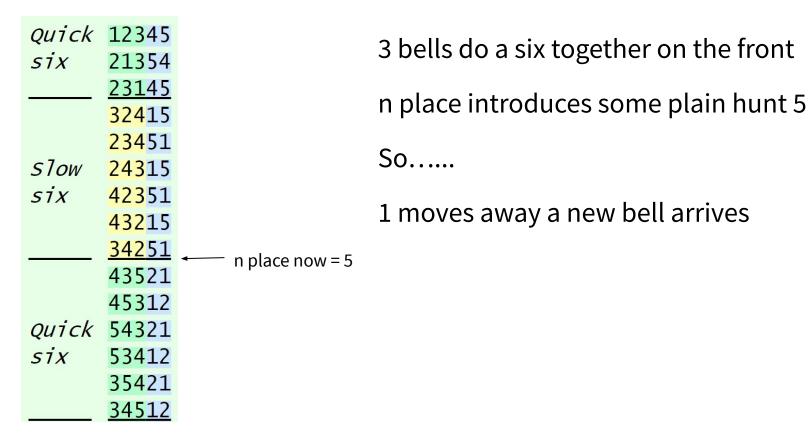
₃ B 123	123
H 213	132
¹ B 231	312
H 321	321
B 312	231
H 132	213
B 123	123

Stedman starts By alternating the formula backwards bunting	orward and	213 231 231 321	231 321 312 132	312 132 123 213
backwards hunting	Forward Right	312 132	123 213	231 321
	Quick	123	<u>231</u>	312
Glued together ————— with <i>n</i> place Here <i>n</i> =3		213 123	321 231	132 312
	Backward Wrong Slow	132 312 321 231	213 123 132 <u>312</u>	321 231 213 <u>123</u>

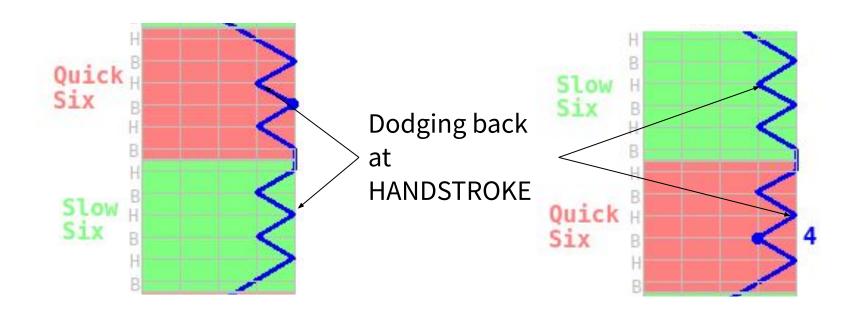
<u> 123</u>	<u>231</u>	312
213	321	132
231	312	123
321	132	213
312	123	231
132	213	321
<u> 1,23</u>	<u>231</u>	<u>312</u>
2) 3	321	132
1 23	231	312
132	213	321
312	123	231
321	132	213
<u>231</u>	<u>312</u>	<u>123</u>
	213 231 321 312 132 213 132 132 312	213 321 231 312 321 132 312 123 133 231 132 231 132 213 312 123 321 132

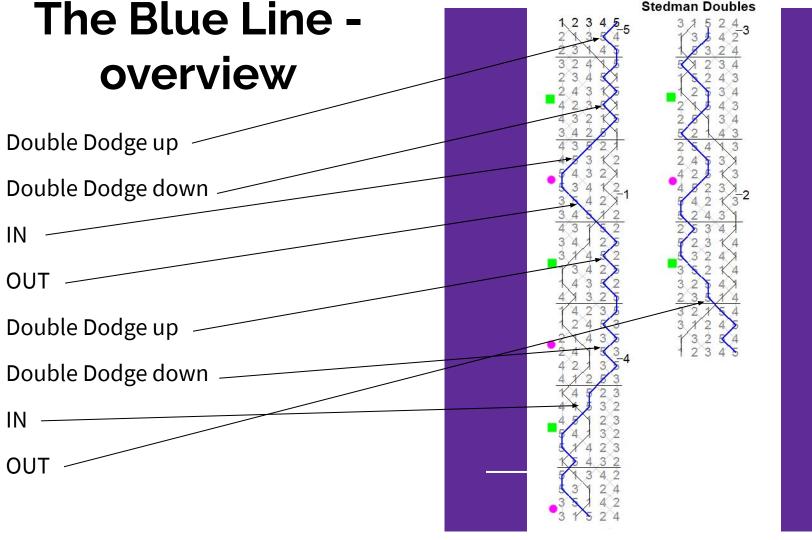
	123	<u>231</u>	312
	213	321	132
Stedman starts to emerge	231	312	(123)
Stedman is therefore organised	321	132	213
in alternating quick and slow sixes	312	(123)	231
0 1	132	213	321
	<u>123</u>	<u>231</u>	<u>312</u>
But where to start?	213	321	132
	(123)	231	312
	132	213	321
4th row of a quick six	312	(123)	231
(happens to give a grandsire start)	321	132	213
	<u>231</u>	312	123

Adding Bells to Stedman - beyond 3!



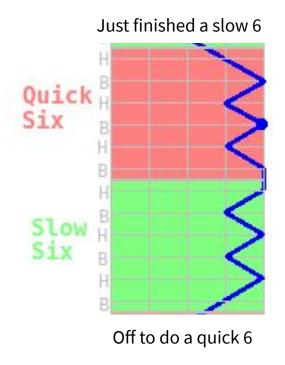
Adding Bells - Dodging in 4/5 while waiting (RIGHT PLACE, HANDSTROKE)

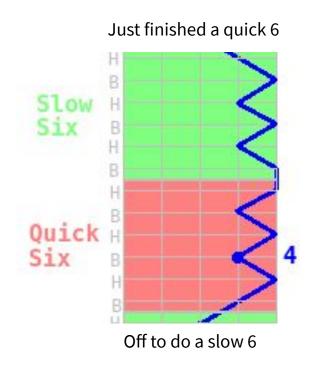




Dodging in 4/5 while waiting adds sixes

TWO sixes are spent dodging - One six UP then One six DOWN



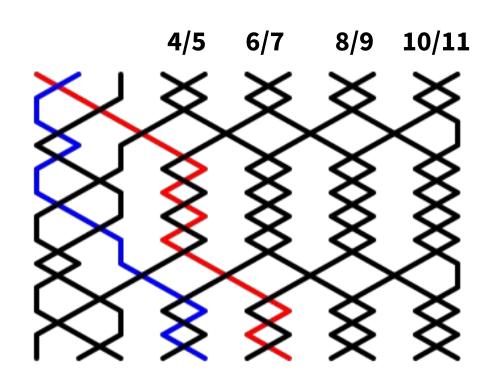


Adding Bells to Stedman - beyond 5!

More bells = more dodging positions

Dodge ach position **UP** then each position **DOWN**

Always an **EVEN** number of sixes



Going In

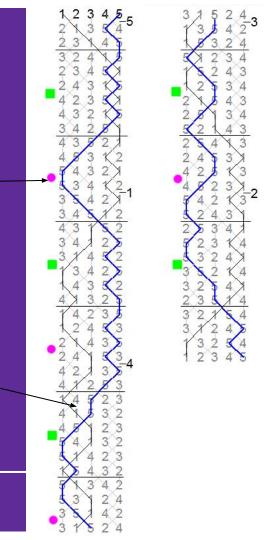
If when you go in it is a **QUICK** six

Then just "lead quick"

If when you go in it is a **SLOW** six

Then you do "**THE SLOW**"

Two sixes at the back means **ALTERNATING** front work



The Slow work

Make thirds

Stedman whole turn

- lead wrong, point, lead right

Make thirds

Point at handstroke

Make thirds

Point at backstroke

Make thirds

Stedman whole turn

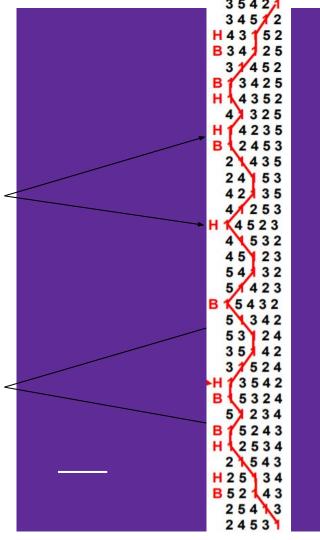
- Lead **right**, point, lead **wrong** (Remember to finish the whole turn)

Make thirds

The Slow - half bells

Point with half-bell in whole turn Point again with it in half-turn "Point with the 4, point with the 4"

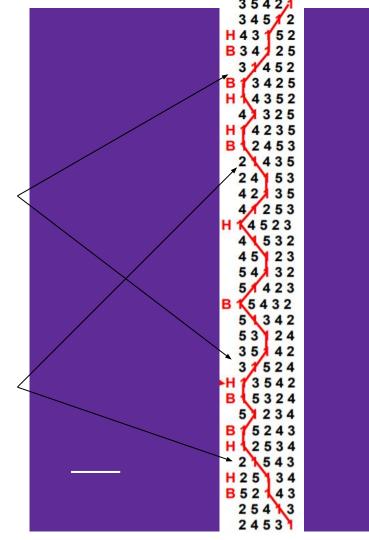
Point with half-bell in half turn Point again with in in whole turn "Point with the 5, point with the 5"



The Slow - whole bells doubles only

You take the same bell off lead every time "Take the 3 off lead"

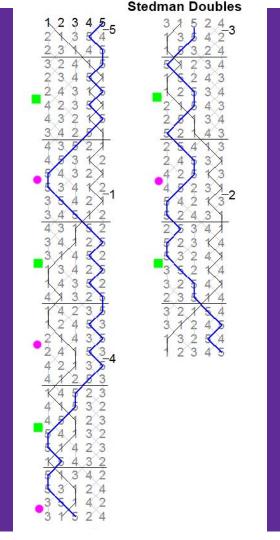
The same bell takes you off lead every time
"The 2 takes me off"



No bobs in Stedman doubles

Plain Course = 60 changes

So 2 singles are all that is required to give 120 of doubles



Stedman Calls



Stedman Triples, Caters, Cinques etc

Singles Only			
23 45	2314		
3 2 4 5	3241		
2345	234 (1		
243 5	2431		
234 5	2341		
2435	243 (1		
423/5	4231		
21/35	2 4 1 2		

Bobs			
23 1	4		
321	4 \		
3124	\		
132	4 🔷		
1234	\Diamond		
213	4 🔷		
2314	\Q		
3241	0		
234	1 🔷		
2431	0		
423 (1 🔷		
4321	0		
342/	1/		
12/2	1		

Daha

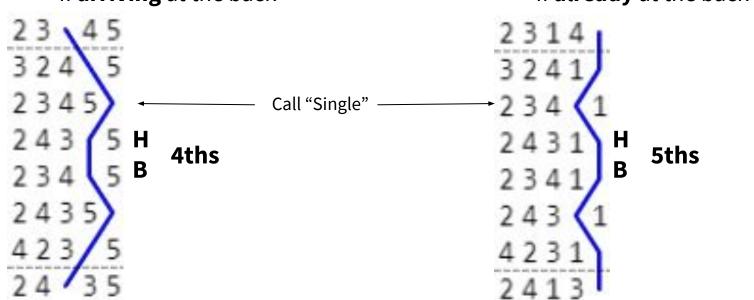
2	3	1	1	1	4
3	2	1	/	4	V
3	1	2	4	>	0
1	3	2	<	4	0
1	2	3	4	>	0
2	1	3	<	4	0
2	3	1	4	1	Λ
3	2	4	1	J	V
2	3	4	<	1	0
2	4	3	1	>	0
4	2	3	<	1	0
4	3	2	1	>	0
3	4	2	/	1	Λ
4	3	1	2	1	1

Stedman Doubles Singles - how to ring

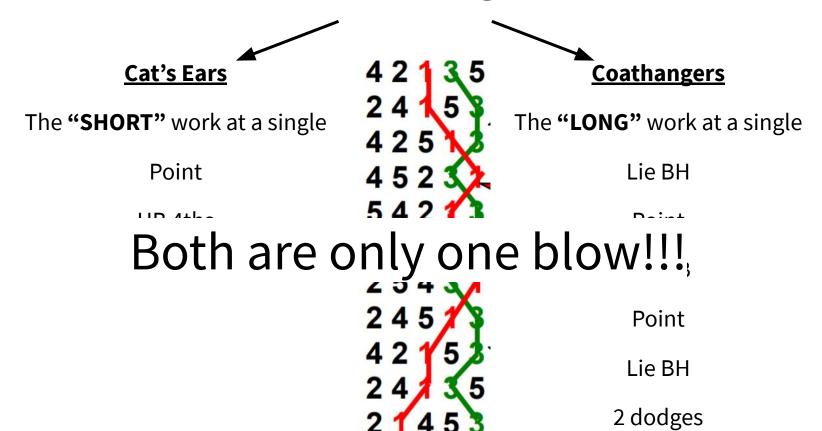


If **arriving** at the back

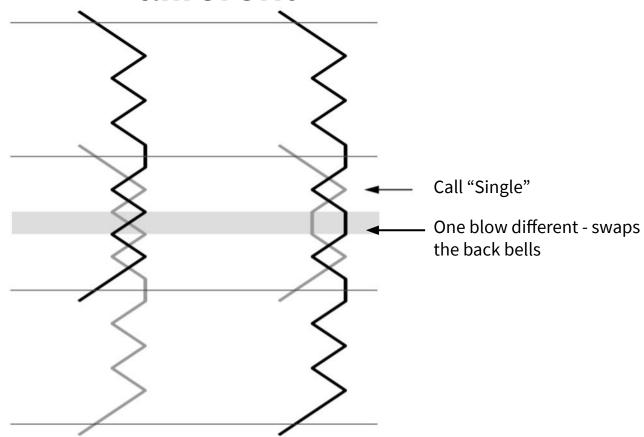
If **already** at the back



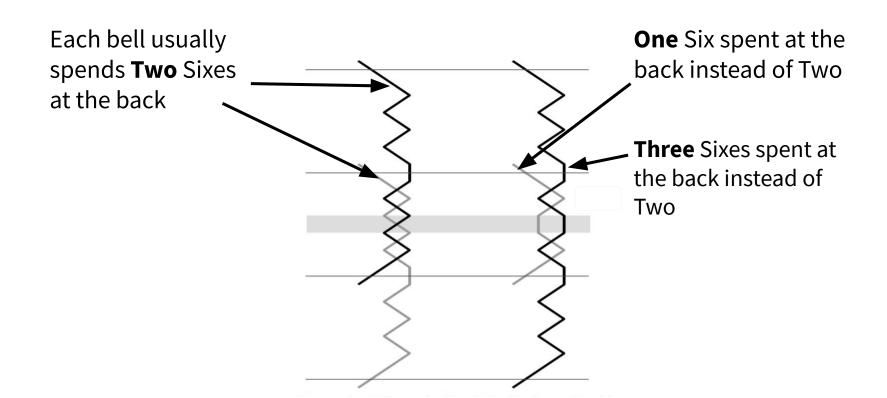
Stedman Doubles Singles - misnomer



Stedman Doubles Singles - one backstroke different



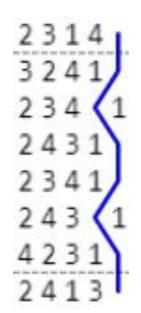
Stedman Doubles Singles



Stedman Doubles Singles



One Six spent at the back instead of Two



Three Sixes spent at the back instead of Two

But why singles and not bobs?

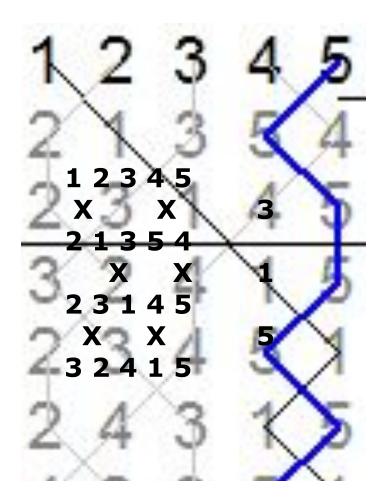
Why not just call it a bob!

Stedman Doubles: 3.1.5.3.1.3.1.3.5.1.3.1.3.1

Quick Six: n.1.3.1.3.1

Slow Six: n.3.1.3.1.3

All double swaps



How many swaps do you need? (think call changes)

Answer = four

(3 to 1)

(3 lead)

12345 > 31524

12345

13245

31245

X (5 to 2) 31254

(5 to 1) 31524

Must be contained in a plain course of Stedman Doubles

How many swaps do you need? (think call changes)

Answer = three

12345 > 13524

1 2 3 4 5 X (3 to 1)

13245

4 5 V

X (5 to 2)

1 3 2 5 4 X (5 to 3)

13524

Cannot be contained in a plain

course of Stedman Doubles

In Course Changes (Even)

Out of Course Changes (Odd)

12345

21435

etc...

Total = 60

13524

31254

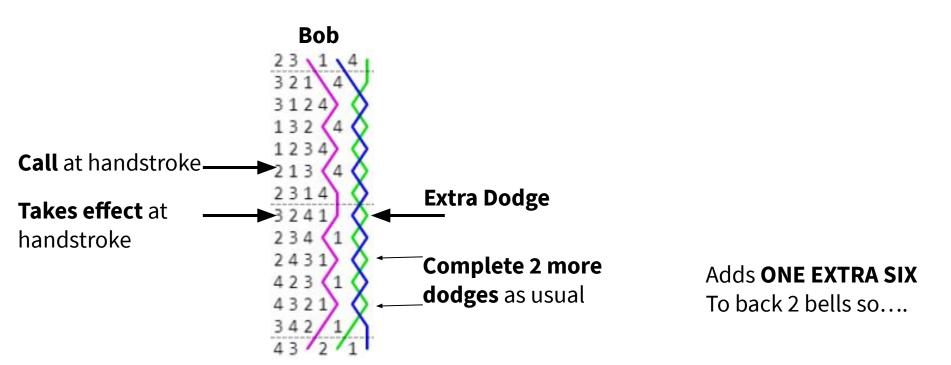
etc...

Total = 60

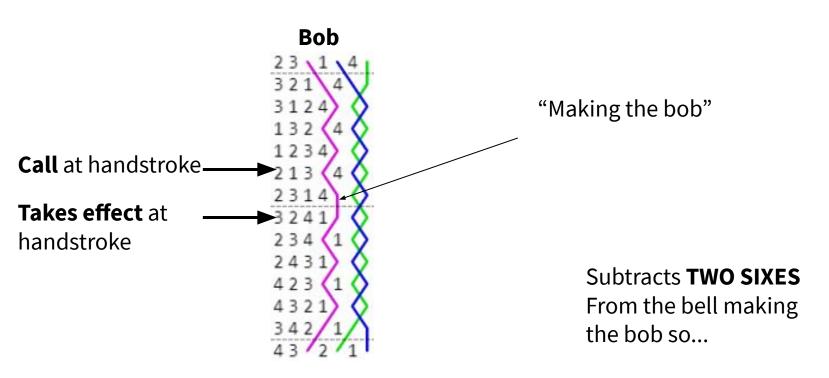
Effect of a SINGLE 15432 Call at backstroke \longrightarrow 53124 **42 Takes effect** at backstroke 153<mark>42</mark>

43**2**

Important differences in triples and above



Important differences in triples and above



A Stedman Doubles single A Stedman Triples bob at the back

changes what a bell was going to do on the front

IN QUICK or SLOW?

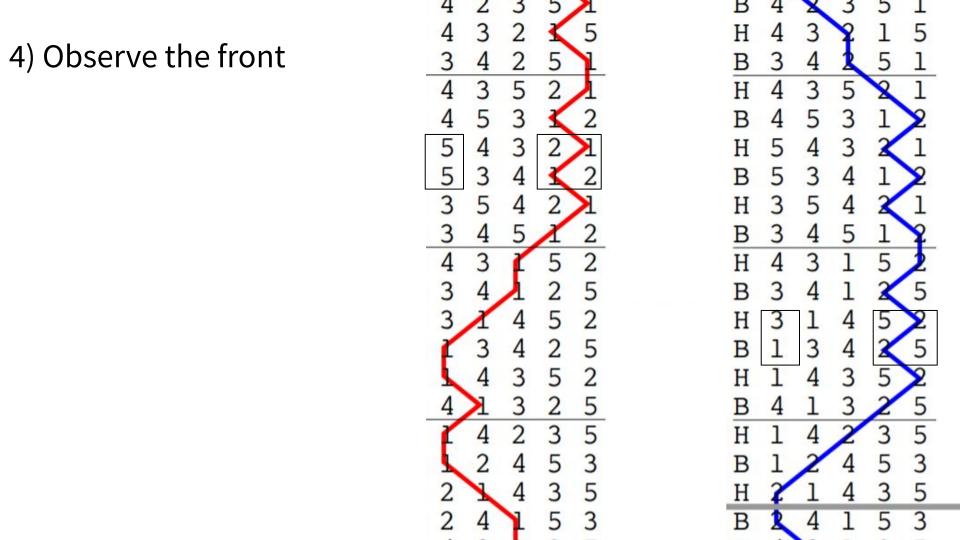


Over the centuries a few tricks have emerged!!!

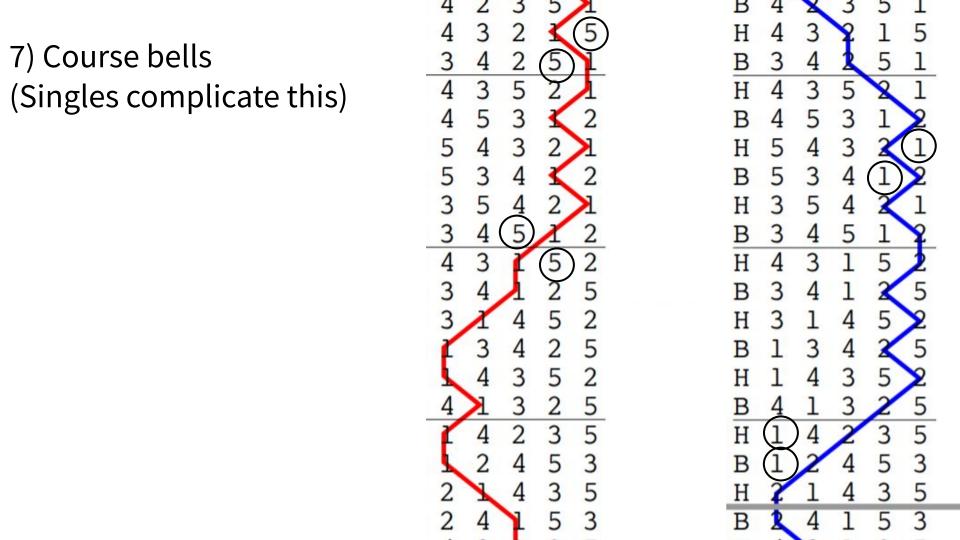
But which 3 or 4 techniques are you going to use?

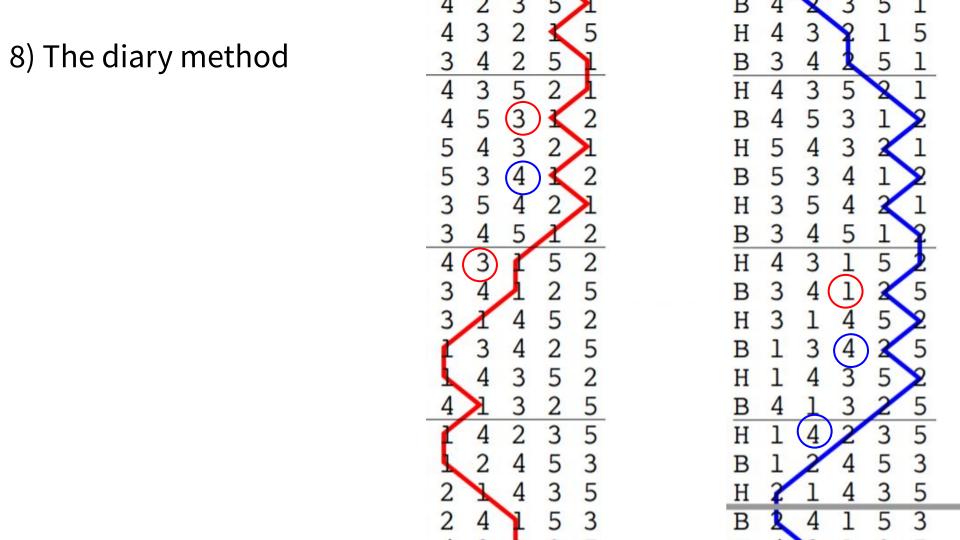
Techniques - Quick or Slow?

- 1) Remember
- 2) Shuffle your feet to remember
- 3) Count Sixes alternately
- 4) When in 4/5 Observe/Listen to what is happening on the front
- 5) Thin Ice: After reaching thirds bell A then bell B
- 6) Thin Ice but using their eyes!
- 7) Crash Go in quick and if there is a crash go in slow
- 8) Identify your course bell if they are still below you in thirds place go in quick
- 9) The diary method



	4 2 3 5 1	B 4 X 3 5 1
E) Overball A than ball D	4 3 2 5	H 4 3 2 1 5
5) Over bell A then bell B	3 4 2 5 1	B 3 4 2 5 1
	4 3 5 2 1	н 4 3 5 2 1
	4 5 3 🕻 2	B 4 5 3 1 2
	5 4 3 2 1	н 5 4 3 2 1
	5 3 4 1 2	B 5 3 4 1 2
	3 5 4 2 1	H 3 5 4 2 1
	0 4 5 7 0	
	3 4 5 1 2	B 3 4 5 1 2
	4 3 7 5 2	H 4 3 1 5 2
	3 4 1 2 5	B 3 4 1 2 5
	3 4 5 2	н з 1 4 5 🔀
	3 4 2 5	B 1 3 4 2 5
	4 3 5 2	н 1 4 3 5 2
	4 1 3 2 5	B 4 1 3 2 5
	1 4 2 3 5	H 1 4 2 3 5
	2 4 5 3	B 1 2 4 5 3
	2 1 4 3 5	H ? 1 4 3 5
	2 4 1 5 3	B 2 4 1 5 3





Questions?

