

CAMPANALOGIA Improved:

OR, THE

ART OF RINGING
MADE EASY,

BY

PLAIN and METHODOICAL RULES

AND

DIRECTIONS,

WHEREBY

The INGENIOUS PRACTITIONER

MAY,

With a little PRACTICE and CARE,

ATTAIN TO THE

KNOWLEDGE of RINGING

ALL MANNER OF

DOUBLE, TRIPPLE,

AND

QUADRUPLE CHANGES,

WITH

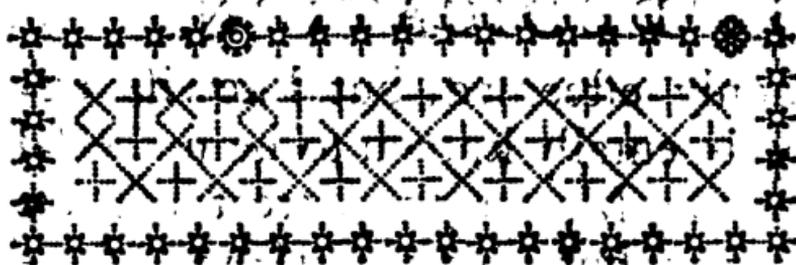
Variety of New PEALS upon Five, Six, Seven, Eight, Nine, and Ten. As also the Method of calling BOBS for any PEAL of TRIPPLES from one Hundred and Sixty-eight to two Thousand five Hundred and Twenty, being the HALF PEAL: Also for any PEAL of QUADRUPLES or CATORS, from Three Hundred and Twenty-four, to eleven Thousand three Hundred and Forty.

The FIFTH EDITION, Corrected by J. MONK.

L O N D O N :

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MDCCLXXI.



T H E
EPISTLE DEDICATORY,

Our honoured and much esteemed FRIENDS,

T H E
S O C I E T Y
O F
LONDON-SCHOLARS,

G E N T L E M E N,

It being a Thing much observed, and, as it were, made a general Rule by Writers, to shelter their Works under the Wings of Protection of some ingenious Person, whose Knowledge is not only com-

vi DEDICATION.

monly esteemed, but likewise experimentally known to be universal in the Matter they treat of; we cannot but think ourselves absolutely obliged to have you in the Front of this small Treatise, not only because your Knowledge in this Art, from whence we have gained what our mean Capacities would receive in the Knowledge and Experience of the same, together with your natural Reasons, is a sufficient Guard to defend it from the Assaults of ignorant and partial Persons, and may prove a Means to disprove, or confute, the malicious Sentiments of extrajudicious and illiterate Readers; but also in Regard it is the only Way we can produce, to let the World know the Happiness and Pleasure we enjoy in the Fraternity of such ingenious Persons, we mean yourselves.

And now here it would be proper to particularize to the World, wherein

wherein the said Happiness and Pleasure consist; but we are afraid we shall be censured and thought, without Cause, guilty of Flattery and Self-Praise; nevertheless, to speak in general Terms, it is your Unanimity, Sobriety, and Ingenuity, together with a strict Observance and Performance of the civil Orders and Constitutions whereby our Society is incorporated, which has been the Cause of it's being rendered meritorious and deserving of Fame.

We are very well satisfied and assured, that none of you are ignorant of the many scandalous and malicious Aspersions than have been cast upon this Art; more than a Man, without a great deal of Deliberation, is apprehensive of; and more than it has in Reason deserved; for which Reason it ought to be defended and guarded by such who have a perfect and entire

viii DEDICATION.

Knowledge in the same, and will deal with Impartiality therein ; and for such an Undertaking none are esteemed or thought more fit than yourselves, by

GENTLEMEN,

Your most affectionate Friends,

And humble Servants,

J. D. C. M.

T H E

P R E F A C E.

MUltum in Parvo, is a Saying that may very properly be applied in the Case of this Book, which though short, yet contains full and methodical Rules and Instructions, for a true Perfection and Knowledge in this Art of Ringing — the Excellency whereof has but lately been found out by the laborious Study of several ingenious Persons, who have had a particular Respect or Regard for the same.

Toward the latter End of the Reign of King Charles II. was published a Book
A 5 intituled,

intituled, Campanalogia: Or, the Art of Ringing; which Name, at the Request and Desire of the Bookseller, we have given to this Treatise, with such other Addition in the Title Page hereof as was necessary for the same: But we hope, and are assured, that the courteous Reader will not think that we have borrowed any other Thing but the Name from so unnecessary a Book, as the same now is; though, to speak with Respect to all ingenious Persons Works, the same might, when wrote, be of Use and necessary for all Ringers, though it does chiefly consist of Plain or Single Changes, because the same were then most of all practised; but now this, as well as all other Arts, is, by Age and Time, improved; and instead of Plain Changes there are Double, Tripple, and Quadruple Changes rung, which are far more ingenious and pleasant; however, in many Parts of England, Plain Changes are still in Use, and therefore we have briefly said something in Relation thereto that we may please, if we can, every Person: But it is our Request and Desire to all that are practised in Plain Changes, to suspend the Practice thereof, and betake themselves

themselves to the Practice of Double and Tripple Changes; for the attaining whereof, we recommend them to the Perusal and Study of this Book, which consists of several Peals; which for their Excellency have remained in Use and Practice ever since they were made, as also of several New Peals composed as well by ourselves as Mr. John Patrick, who with great Care and Pains hath exercised his Ingenuity to the great Improvement of this Art.

Being sensible of the many malicious Aspersions cast upon this Exercise of Ringing, by partial and extrajudicious Persons, we have endeavoured in the Beginning hereof, by Way of Objection and Answer, to vindicate this Art, and falsify the said Aspersions, which we hope will be supported by all who have a true Sense and Knowledge of the same.

What Errors there may be, other than such as are committed by the Printer, which we are assured the judicious and courteous Reader will pass over, we submit to the Correction and Amendment of the Wise, not in the least doubting that
be

*he will condemn all for a few Faults;
withall hoping that he will suspend all
Partiality, and keep to the old Moral,
Do as you would be done by.*



Campanalogia



CAMPANALOGIA:

OR, THE

ART of RINGING.

 **MONGST** other Diversions and Recreations practised by, and delightful, to the Inhabitants of this Island; none is more diverting, ingenious, harmless and healthful, than the **ART** of **RINGING**, used and practised with Discretion. And although it be esteemed by the Generality of People to be a mean and mechanical Exercise; yet, were it to be duly weighed and considered by a judicious and impartial Person, it would be found to be very artful, and not to be attained to in it's highest Perfection, but by an ingenious and thoughtful Undertaker.

B

And

2 CAMPANALOGIA : Or,

And, therefore, since this Art is so generally esteemed and looked upon to be a mean and mechanical Exercise and Recreation, we think it convenient and requisite, by Way of Preamble, to say somewhat in Opposition to what is offered and laid down by a Company of brainless and unthinking Persons, (who nevertheless think their Judgments and Knowledge to be universal) as Reasons and Arguments to manifest and make out what they so irrationally and partially have spoke and uttered, in Disgrace and Disparagement of this ingenious Art, which has so worthily deserved and merited the Praise and good Word of all People. And first,

It is objected against as mean and mechanical, because followed and practised by Persons whose Course of Lives, as reported, has been infamous; and also by Persons whose Subsistence for themselves and Families is gained by painful and hard Labour; and therefore not a fit and commendable Exercise and Recreation for one who has been genteelly and handsomely brought up and educated.

To this we answer, That there is no Exercise or Diversion whatsoever, followed and used by the Nobility and Gentry, either of this Nation or any other, but is used and followed by the common Sort of People; and with whom they at some Times never scruple or think it in the least beneath their Dignity or Honour, to make them their
Fellows,

The ART of RINGING. 3

Fellows, and Glafs or Pot Companions. Nor is this only done by fuch Nobility and Gentry, who are generally eſteemed to be Spendthrifts and Prodigals; but alſo by fuch whoſe deep Judgments and Learning have rendered them famous Perſons, and ſerviceable both to their King and Country.

The ſame Objection may be made againſt a Perſon of Quality, or Gentlemen, whoſe Delight is in playing on the Violin, or any other common Inſtrument of Muſic; becauſe many poor and ſilly Fellows get a Livelihood by going from Door to Door, and Houſe to Houſe, playing on their unpleaſing and tuneleſs Muſic, and bear the ſcandalous Names of Scrapers or Fiddlers.

But as Muſic is made more genteel and harmonious, by Concerts compoſed of the moſt ſkilful of Muſicians; ſo is the ART of RINGING made the like, by a ſkilful Number of Perſons incorporated and united into a Society, ſober, and made ſubject to Orders and Rules, conſiſtent and coherent with Civility and genteel Behaviour. Nor can it be denied, but that ſeveral very eminent Maſters of Muſic have followed and diverted themſelves much in Ringing, have united and incorporated themſelves into Societies, as an Exerciſe and Diverſion by them eſteemed to be very harmonious, and not in the leaſt inferior to the Melody of the moſt muſical Inſtrument.

4 **CAMPANALOGIA: Or,**

Again, it may be rationally supposed to be an extraordinary Madness and Folly in any one who shall disparage and despise any Ingenuity or Art, and that because it is Mechanical and Common; for, by the same Example, if we do but rightly consider and weigh it, none are worthy the Knowledge and Practice of any Person who has been nobly and genteelly bred; because there are none but what are, according to this Maxim, Mechanical and Common. Whereas, on the contrary, Art and Ingenuity ought to receive the greatest Encouragement that any human Creature is able to bestow; for nothing does more become a Man, or make him more esteemed and respected, than an universal Knowledge in all Arts and Sciences.

Another Objection made against the Practice of this Art, is, That it withdraws and alienates Mens' Minds from the Business by which they obtain and procure Subsistence for themselves and Families, making them Drunkards, neglective of their Occupations and Trades, and consequently the utter Ruin and Impoverishment of themselves, and all who depend upon, and receive, a Livelihood and Maintenance from them.

In answer to this, we say, That there is no Exercise or Diversion whatsoever, but will bring and reduce a Man to Necessity and Penury; unless used with Discretion, Prudence and Moderation; nay, though he
has

The ART of RINGING. 5

has an Estate to support his Extravagancy and Profuseness for a Time; yet, in the End, it concludes with such Estate spent, Imprisonment to himself, and Want to his whole Family; as appears by daily Examples.

Whereas, on the contrary, it never was known that any Person ever brought or reduced himself to Penury or Necessity by following this Exercise; but if at any Time a Ringer has failed, and come to Want, it will be found, upon a strict and exact Examination of the Matter, that his undoing was occasioned by his following Gaming, Horse-Races, Cock-fighting, or some such Mischief.

And now to shew that no Inconveniencies arise or happen to Mens' Business and Employments, who exercise and recreate themselves in, and follow this Ingenious Art, especially to such Men who are incorporated and united into a Society; and subject themselves to the sober and civil Rules and Orders thereof, the Time usually set out and appointed, for the Practice and Exercise of this artful Diversion, is in an Evening, when all Sorts of People leave off from their Business and Occupations, and disperse themselves some into one Place, and some into another, to recreate themselves with some Diversion or Sport, thereby to sweeten the Care and Fatigue of a Multiplicity of troublesome, and sometimes unprofitable,

6 CAMPANALOGIA: Or,

Business or Work. Therefore it may as well be thought, that those vacant and leisure Hours Men spend in the Enjoyment of the Bottle and their Friends, should be as hurtful as the vacant Hours spent in this Exercise. Again, if a Man's recreating and diverting himself in the Practice of any other Exercise or Sport, is held and esteemed to be necessary, why should it not be in the Practice of this, as well as any other, being, as we have said before, harmless, diverting, and wholesome?

A third Objection made against RINGING, is, That it is too laborious and painful to yield or afford any Pleasure or Diversion, and occasions so great Heats and Sweatings, that a Man subjects himself to catch great Colds, whereby he endangers his Life, and begets more Damage to his Purse for Recovery of his Health, than he receives Pleasure and Satisfaction of Mind at the Time of diverting himself with the Exercise and Practice of this Art.

To answer this Objection, we declare, That we never have known or heard, though we have made it our Business to inquire, concerning this Matter of the oldest of Ringers, that ever any Person in the least received any Manner of Damage to his Health by RINGING; unless rash and inconsiderate Persons who have been careless of themselves; but on the contrary, it is well known by Experience, to be a very healthful

The ART of RINGING. 7

ful Exercise, moderately, and with Discretion practised and used. For, by moderate Sweating, all ill Humours and corrupt Moistures are dispelled from the Body.

As to it's being esteemed and supposed laborious and painful, there is no such Thing, for it is perfectly done by Sleight, else how could a Man be able to stand an Hour or two, or more, as has been done, and be, as this Exercise requires, all the Time in a continual Motion? But this Sleight is to be obtained by Practice, and by observing of ancient Practitioners.

Thus having in short, and according to our Abilities, answered what Objections have been made against this ingenious and pleasant Exercise; we shall, in the next Place, adventure to say somewhat in Praise and Commendation of this Art; whereby it will further appear, that the Aspersions cast upon it, are altogether malicious, and uttered without the least Consideration imaginable.

The more ingenious, innocent, and recreative any Diversion or Exercise is, the more it ought, according to Reason, to be followed, esteemed, and loved by those Persons, who, for the Sake of their Health, or with Intent to drive away melancholy Thoughts, and to sooth the worldly Cares and Crosses they often meet with, spend their vacant and leisure Hours in the Exercise and Practice of some Sport, Art, or Diversion, none whereof can be more suitable

8 CAMPANALOGIA: Or,

to, consistent and coherent with, the Nature of such Men, would they but maturely consider it, than the Practice and Use of this Art. And that for these Reasons :

Because, as we have said, and hope, made it appear before, it is a very wholesome and healthful Exercise. And, though there are several other Exercises and Recreations, as Bowling, Tennis-Ball, Nine-Pins, and such-like, too tedious and long to be here inserted, that may work and stir the Body, and every of it's Parts, as much as this Exercise does; yet they are not in the least to be compared to this, because not so artful, or requiring so thoughtful and ingenious an Head-Piece to attain to the universal Knowledge of them, as this Art does, And again, because in any such Diversions and Exercises, nothing but a clashing, jarring, and unpleasing Noise or Sound is heard. Whereas, on the contrary, no Music, Vocal or Instrumental, played on by the most skilful Master, can yield or afford a more pleasant and harmonious sound or Melody, than eight or ten merry *Bells*, for so they are termed, well rung by so many Ringers, well skilled and practised in this Art: Wherefore, and for this last Reason, it must be allowed, to be a very proper and suitable Exercise for one who is apt to be melancholy, to divert and withdraw his Thoughts from keeping Company with so hurtful and pernicious a Companion.

But

The ART of RINGING. 9

But lest some partial and extrajudicious Reader, falsely thinking, that, in what is before written, we have made some Reflexions upon a Diversion or Exercise he takes Delight in, should object against what we have said in praise of this Art, as being the only Exercise we take Delight in, and therefore give it so good a Character, though not worthy of it; we must, with Submission, beg leave to acquaint him and others, as a Proof to make good what we say, That there have been many noble and ingenious Persons who have expressed and declared the same, and have been very ambitious and desirous of attaining to a perfect Knowledge in this Art; but never could have an Opportunity of being acquainted with such Persons, by whose Means they might be introduced into, and made a Member of, some sober Society, Followers of this Art. And, moreover, at this Time, to our Knowledge, there are several learned and eminent Persons, both Clergy and lay-men of good Estates who are Members of several Societies of Ringers inhabiting within this City, and think themselves very much respected, and highly favoured, that they can arrive at, and attain to, so great an Happiness and Honour.

Nor is it less esteemed and admired by several Foreigners, whose Curiosities have engaged them to travel through many Parts of the World, acknowledging that in all Parts

10 CAMPANALOGIA : Or,

wherever they have been, the like is not known; and, therefore they have not improperly named *England*, the *Ring-
ing Island*.

This, we hope, will be further sufficient to satisfy the judicious and impartial Reader, that the scandalous Aspersions cast upon this Art, are erroneous and malicious; and, that, on the contrary, it is a very delightful and pleasing Exercise, and worthy the Knowledge of any Person whatsoever.

And now we shall proceed to lay down an easy and exact Method, whereby the ingenious Practitioner, with little Care and Pains, may, in a short Time, attain the perfect Knowledge of this Art. And,

The first Step he makes in this Art, is to learn perfectly to *set* a Bell, both back Stroke and fore; and to have it so much at his Command, as that he may be able to cut it down, at either Hand, being the *Sallee*, or back Stroke, and set it again the next Pull, without which he cannot attain to any Perfection or Knowledge in this Art: And to make this the more easy to him, he must observe to keep the Rope tight or stiff, to stand upright to the Bell, not stirring or using any ungentle Posture, which in *Ring-
ing*, as well as *Dancing*, is very ridiculous. When he is Master of this, he may then try to ring one Round in three, four, five, or six Bells, and afterwards in eight or ten. Wherein, as in all *Ring-
ing*, the
principal

The ART of RINGING. 11

principal Thing to be observed, is a true and exact *Compass*, which in Music is called *Time*, otherwise the *Ringing* becomes very unpleasing and disturbing to the Hearer; and may be compared to the nauseous Music of a Country-Fidler playing before a Company of Boors and Peasants, going to the Celebration of a homely Country Wedding.

Compass, being, as we have said before, the most material Thing to be observed in *Ringing*; it will be requisite in brief to say somewhat in Relation thereto.

According to the Number and Bigness of the Bells to be rung, the *Compass* ought to be high or low; for a large Peal of Bells require a lofty, and a small Peal a quick, *Compass*. This depends upon the *Compass* the *Treble* first fixes; therefore, and for this Reason, it is absolutely requisite that the most able Practitioner ought to ring and have the Management of that Bell, as a Guide and Path to the Rest; when this is fixed, each of the other Bells must take Care to keep an equal Distance from the Bell preceding that he rings.

But for the better knowing of a true and exact *Compass*, the Practitioner ought to know how to beat *Time*, whereby he will reap the Benefit and Advantage of knowing the true Distance that ought to be kept between Bell and Bell, according to the Number and Bigness of the Bells; and hereby it

12 CAMPANALOGIA: Or,

will appear, that three Bells are as long in going twice round as six are going twice round, four as eight, and five as ten. This ought to be well known too, and grounded in the Thoughts of an Undertaker of this Art, as the principal Thing to be observed therein; for it is a smooth and exact *Compass* that makes the *Ringings* diverting and pleasing, as true Time makes the Harmony in Music.

The next Thing he may adventure to undertake, is, the learning to raise and cease a Bell in *Peal*, which is not esteemed to be one of the easiest Parts of this Art; and we could wish, with all our Hearts, that it was more practised than it is by the ancient and experienced *Ringers*, being very melodious, and worthy any Man's Pains to learn: For the attaining of which, he must be very attentive, how the Bell he rings with the rest, strikes; raising or ceasing it, as the Bell he follows does, provided that is rung true. He must, likewise be careful, when they lie under *Sallee*, for so it is termed, to keep his Bell at so constant a Pull, as not to pull harder one Time than another, unless he finds the Bell *dive* upon him; but a Bell kept in good Order, and well hung, is very seldom guilty of that Fault, especially if rung with a stiff Rope, and not checked. It is proper that Bells be raised as fast as may be, and not to strike till the second Sway. For the more
easy

easy effecting of this, it is needful to have two, three, or more, according as the Bigness of the Bell requires, to help up with each of the great Bells, untill they are about three Parts up, where, for a While, it is usual to have them lie still for some Time; and then, the Person ringing the Treble giving Notice to the Rest by stamping with his Foot, to ascend and rise gradually, till they are raised to a set Pull, which they must be before any Changes can be rung on them; which properly comes to be next treated of.

Of CHANGES.

THE Word *Changes* is very aptly and properly applied in this Case; for every Bell removes from it's proper Place, according as the Change made, requires; and so backward or forward; or, as termed, *up* and *down*, till the Peal intended to be rung, is ended. This is the most intricate and difficult Thing to be learned in this Art, which is likewise much improved by Practice; and though, at first Sight, it seems very hard to be learned, yet by Practice and Care it is soon rendered easy.

It will be very improper, and not in the least to our purpose, to stuff this Treatise full of unnecessary and useless Examples of the Variation of Numbers, thereby to shew
the

14. CAMPANALOGIA: Or,

the Certainty of what shall be hereafter written, in Regard they will but sicken and clog the Memory of the ingenious Practitioner, and make him out of Heart, and think he shall never attain to the Knowledge of this Art. But we shall make it our utmost Care to lay down every Thing in as plain and easy a Method as possibly can be; and shall shew, in their proper Places, how many several Changes are to be rung on such a Number of Bells; and also other Observations, Matters, and Things, useful for attaining to the perfect Knowledge of what is hereby intended to be made known.

The first Thing that is requisite and necessary to be observed by the young Practitioner in ringing of Changes, and by which he will attain to a perfect Sleight in this Art, and render the same less laborious and toilsome to him, is the Motion or Course of the Bell he rings, whether it be gradually to ascend or descend, that is *up* or *down*, or whether it be to make any *Stop* or *Dodge* in the Middle, with any other Bell. If the Bell be to ascend or go up, it must be done by keeping it up, both at Hand and Back-stroke, thereby to delay or prolong it's striking until it's due Time and Place; if to descend, it must be done by a very gentle and slight Pull and Salles, according as the Bigness of the Bell requires; for by this Means it descends the more easy, and without

The ART of RINGING. 15

out much Pains in cutting it down, observing to stand as straight, and as upright as possible, not bending any Part, except the Knee; for that it is which fatigues and tires the Ringer. If a Stop or Dodge is to be made, or a Compass to be led, the Bell ought to be kept with so stiff a Rope, and so much at the Practitioner's Command, that he may not stand any longer, or pull any sooner than in true Time or Compass is required; for otherwise, by the Bell's standing too long in leading Compass, the rest are thrown and jumbled together, whereby Claps and Clams, so unpleasing to the Hearers, are occasioned; and by too quick leading of the Compass, the Bells are scattered, and not subjected to any equal Distance from each other.

In ringing of Changes, there is commonly one Bell, commonly the Treble, termed the *Hunt*, by Reason of the constant Motion that is assigned to it, by which the Rest of the Bells are guided in their several and different Courses throughout all Peals whatsoever; and therefore it is not improper to compare the Person ringing the Treble to a Pilot, having the Management of a Ship, by whose Skill, together with a Rudder, the Ship is safely steered from one Haven to another.

Changes consist of two Kinds, different the one from the other; the one termed
Plain

16. CAMPANALOGIA: Or,

Plain or Single Changes; the other Double and Triple Changes, or Cross Peals.

PLAIN or SINGLE CHANGES.

AND they are so called, because no more than two Bells make a Change at once; as for Example, suppose these six Figures, 1 2 3 4 5 6. to be six Bells going round one after another in their proper Places; now in making of a Plain or Single Change, only two of the Bells change their Places, which may be any two that are next each other; as admit the first and second were to make a Change, by going into each other's Place, then they would be in this Order, 2 1 3 4 5 6.

But these Plain or Single Changes are so old, that they are scarce practised anywhere, because, by ingenious and skilful Practitioners, this Art is made far more melodious and easy, by Double and Triple Changes; and therefore we shall forbear to make a long Discourse upon what is not needful or requisite, but shall only set down two or three Peals of plain Changes, for the Satisfaction of some particular Persons.

On two Bells there are no more 2 1
than two Changes; to wit, 1 2

The ART of RINGING. 17

On three Bells there are twice as many more; for by multiplying two by three, the additional Figure the Product is six, in Ringing whereof no Bell is peculiarly assigned as an Hunt, because every Bell has one and the same Course, as may be here seen :

1	2	3
2	1	3
2	3	1
3	2	1
3	1	2
1	3	2
1	2	3

These six Changes may be likewise rung another Way, that is, by hunting the Bell which lies behind, being third, first down; or, as it appears, by ringing the said Changes backwards, thus :

1	2	3
1	3	2
3	1	2
3	2	1
2	3	1
2	1	3
1	2	3

On four Bells there are three Times as many more Changes as there are on three, as appears by multiplying six by four, the Product whereof is Twenty-four; in ringing of which, the Treble, being the Hunt, is particularly to be observed, which first hunts up behind, and there lies a whole Pull, which is the Time the Bell is striking both Backstroke and Fore, whilst the two foremost Bells make a Change; which done, the Treble then hunts down again to its proper Place, where it leads away a whole Pull, whilst the hindmost Bells make a Change, commonly called an *Extreme*; and after this Manner the other Changes are rung as complete a Four and twenty, as by this Example appears :

1224		
2134	3142	4123
2314	3412	4213
2341	3421	4231
3241	4321	2431
3214	4312	2413
3124	4132	2143
1324	1432	1243
1342	1423	1234

On five Bells there are four Times as many more Changes as there are on four, as appears by multiplying the Twenty-four, by the additional Figure 5, the Product is 120. And the Course and Method of ringing them is the same as before in the Four and twenty, with this further Observation, that there is besides the *Hunt* and *Half-hunt*. The Treble, which, in the subsequent Peal, is the whole Hunt, first hunts through the Rest of the Bells, and as soon as it is behind, the Half-hunt makes a Change with the Bell that is next it, moving one Bell higher, and then the Treble hunts down again, and the Half-hunt makes another Change; then the Treble hunts up again, and the Half-hunt makes another Change, and then the Treble hunts down to lead, by which Time, the Half-hunt having finished it's Course, by hunting over all the Bells, an *Extreme* is then made, by the two farthest Extreme Bells from the Half-hunt, which is third and fourth; and so

The ART of RINGING. 19

So they proceed in the same Course till the next Extremè, which happens every other Time Treble leads.

A PLAIN SIX SCORE.

Hunts 1 2.

<u>12345</u>					
21345	41352	21453	51432	21534	31542
23145	43152	24153	54132	25134	35142
23415	43512	24513	54312	25314	35412
23451	43521	24531	54321	25341	35421
32451	43251	42531	54231	52341	35241
32415	43215	42513	54213	52314	35214
32145	43125	42153	54123	52134	35124
31245	41325	41253	51423	51234	31524
13245	14325	14253	15423	15234	13524
13425	14235	14523	15243	15324	13254
31425	41235	41523	51243	51324	31254
34125	42135	45123	52143	53124	32154
34215	42315	45213	52413	53214	32514
34251	42351	45231	52431	53241	32541
34521	24351	45321	25431	53421	23541
34512	24315	45312	25413	53412	23514
34152	24135	45132	25143	53142	23154
31452	21435	41532	21543	51342	21354
13452	12435	14532	12543	15342	12354
Extr.	Extr.	Extr.	Extr.	Extr.	Extr.
14352	12453	15432	12534	13542	12345

An *Extremè* is a distinct Change from the Rest, and made by the two farthest Extreme Bells from the Half-hunt.

20 CAMPANALOGIA: Or,

It may perhaps be wondered at by some, why we have not set down more large and methodical Rules and Instructions for the ringing plain Changes; but, if duly considered, we think, with Submission, it is not in the least necessary; not only because, as we have said before, they are almost out of Practice every where; but also because Cross Peals are more easy and melodious; therefore we hope we shall be excused by the ingenious and knowing Reader, for the Omission that we have made, being, as we conceive, requisite and assured, that were he, or any other, whose Genius leads them to the Practice of Music, to buy a Collection of Songs or Tunes, that he would sooner chuse, and have those that were lately composed, than those which had been composed many Years. And now we shall proceed to give necessary Directions and Instructions for the ringing of

DOUBLE *and* SINGLE CHANGES, or CROSS PEALS.

WE may suppose, and that with Reason, that the Denomination given to these Peals, is from the Bells crossing each other in their several Motions or Courses, some moving up, and others down, as the Change made requires; and for that four or six

The ART of RINGING: 21

fix Bells, or more, as the Number will permit, do at one and the same Time change from their proper Places; as thus, 2 1 4 3 6 5; so that by this Means there are as many Changes at once going Round of the Bells, and yet reckoned but one Change, because made at once striking of each Bell, as in plain Changes can be effected in three Times going round.

But before we proceed any further, it will be requisite to give this general Instruction; that in all Peals, for the young Practitioner's more easy learning, we shall set down some few Changes, as the Courses of such Peals will permit, thereby to acquaint him with a more easy Method of learning the same; advising him not to adventure on too long Peals, till he is thoroughly practised and perfect in such short ones.

No double Change can be made on a less Number of Bells than four, therefore, that must be first treated of; and the shortest Peal that can be rung on Four, is of eight Changes, being Doubles and Singles; and the first is double and the next single, and so by Turns, till every Bell, being hunted up and down, comes into it's proper Place again, which brings the Bells round. By this may be learned the Method of hunting a Bell, for as may be seen in the Changes here pricked down, every Bell hunts gradually up and down, and the second and fourth hunt down,
and

22 CAMPANALOGIA : Or,

and the Treble and Third up; and every Bell leads away no more than one whole Pull, or lies behind any more than one whole Pull.

1234	
2143	3412
2413	3142
4231	1324
4321	1234

When the Practitioner is perfect in this, he may then proceed to ring the Four and twenty Doubles and Singles, wherein must be observed, that when the Treble leads, the Bell in second's Place lies a whole Pull, and then leads, and the two Bells in third and fourth's Places make a single Dodge, as by the subsequent Figures may appear :

1234		
2143	3124	4132
2413	3214	4312
4231	2341	3421
4321	2431	3241
3412	4213	2314
3142	4123	2134
1324	1432	1243
1342	1423	1234

Now the true Signification or Meaning of a Dodge is this : Any Bell that is coming down, and is to make a Dodge, must move up again one Bell higher ; and any Bell that

The ART of RINGING. 23

that is going up, and is to make a Dodge, must come down one Bell lower, and then up or down as the Course of such Bell requires, as may be seen at the leading of the Treble at Fore-stroke, in the preceding Twenty-four Changes, where the second is in third's Place coming down, and the fourth behind: but at the next Change at Back-stroke, and the fourth goes down into the third's Place, and the second goes up behind: This may serve as an Explanation for dodging in all Peals.

There is another Way of ringing Twenty-four Changes Doubles and Singles on four Bells, which varies only from the former, that when Treble is behind, the Bell in third's Place lies still a whole Pull, and the Bells in Treble and second's Places make a Dodge, and then proceed again in their former Course, as may be here seen:

1234		
2143	4132	3124
2413	4312	3214
4231	3421	2341
2431	4312	3241
4213	3412	2314
4123	3142	2134
1432	1324	1243
1423	1342	1234

In all Peals upon five Bells, there are two Hunts, to wit, a *Whole* and an *Half-hunt*;
and

24 CAMPANALOGIA: Or,

and for the Practitioner's more easy knowing which Bells are the whole Hunt, and the Half-hunt, the Figures representing such Bells as are set down at the Beginning of each Peal.

This Peal on five Bells is thirty, wherein every Bell has an hunting Course, till the Treble has done leading; and then the Bell in third's Place lies still, and the two hindmost Bells make a single Dodge, and proceed in their hunting Course again, as in these thirty Changes.

Hunts 1 2.

12345		
21354	21543	21435
23145	25134	24153
32415	52314	42513
34251	53241	45231
43521	35421	54321
45312	34512	53412
54132	43152	35142
51423	41325	31524
15243	14235	13254
12534	12453	12345

OLD DOUBLES.

THE Changes in this Peal are all double, except at the leading of the Treble, and every Bell has a direct hunting Course until Treble leads; and then the Bells in second

The ART of RINGING. 25

second and fifth's Places lie still, and the Bells in third and fourth's Places make a single Dodge, except when the Extremes are to be made, which is every Time the second lieth next to Treble, and then the Bells in second and third's Places lie still, and the two hindmost Bells make a Dodge. It is called an *Extreme Change*, by Reason it is only made at such Times, when such and such Bells are in such Places, and is a different Change from the Rest; of which Change it is requisite Notice be given, as the Treble is going to lead, by him who rings the half Hunt, in saying *Extreme*. The Word *Extreme*, we must confess, is the most proper Signification, in Regard to the Change; but there is now, and for some Time has been, a Word called *Bob*, instead of *Extreme*; upon what Account the Word was changed, we know not; yet nevertheless, for Fashion's Sake, we advise every one to use it.

Hunts 1 2.

12345						
21435	13254	54123	Extr.	15234	14352	
24153	13524	51432	12453	12543	23425	
42513	31254	15342	14235	Extr.	13245	
45231	32145	15432	14325	12534	12354	
54321	23415	14523	13452	15243	Extr.	
53412	24351	14253	13542	15423	12345	
35142	42531					
31524	45213	12435	15324	14532		

NEW DOUBLES.

IN this Peal the Treble hath only a direct hunting Course; for when it moves up from leading, the two foremost Bells continue dodging until the said Treble comes down again and displaceth them; every Bell that comes into thira's Place lies there a whole Pull, and then goes up behind, except the Bell that lies there when the Trebles leaves Leading, which moves down. Every Bell lies twice behind, except when the Treble goes to lead, and leaves Leading; for when the Treble leads, the Bells in second and fifth's Places lie still, and the Bells in third and fourth's Places make a single Dodge. The Extremes, or, as we shall henceforth call them, the Bobs, are the same as in the former Peal of *Old Doubles*.

Hunts I 2.

12345					
21354	13254	53142	12435	15324	14532
23145	13524	51324	Bob	15234	14352
32415	31542	15342	12453	12543	13425
23451	35124	15432		Bob	13245
32541	53214	—	14235	12534	12354
23514	35241	14523	14325	—	Bob
32154	53421	14253	13452	15243	12345
31245	35412	—	13542	15423	12345

ST. DUNSTAN'S DOUBLES.

IN this Peal the Changes are all double, except one Single every second Time the Treble leads, there being six of them in the Peal; the Treble, as before, hath a direct hunting Course, and every Time it goes to lead, and leaves Leading, the Bell in third's Place lies a whole Pull, and then goes down, and the two hindmost Bells dodge till Treble parts them, except at three of the single Changes, and the Bell in third's Place goes up behind, and the Bell in fourth's Place comes down; but at other Times they have a hunting Course. When the Treble leads, and the second is in it's own Place, it is a Bob, but when second is in third's Place, a Single.

Hunts 1 2.

12345					
21354	14523	13254	14352	Bob	15342
23145	41532	Single	13425	12455	12435
32415	45123	13245	15243	13542	Bob
34251	54213	15423	Single	15324	12345
43521	52431	14532	15234	14235	
45312	25341			Single	
54132	23514	12354	14325		
51423	32154	Bob	13452	14253	
15432	31245	12534	12543	13524	

READING DOUBLES.

THE Treble has likewise in this Peal a direct hunting Course; and when it moves up from Leading, the two foremost Bells dodge until it comes down again and parts them; whilst they dodge, every Bell that comes into third's Place lies there a whole Pull, and then moves up behind again; but after the Dodging, all the Bells go an hunting Course, until the Dodging obstructs them. Every Bell lies twice behind, except when the Treble leaves Leading, and the second is next Bell to it, and then the Bell in third's Place lies still, and the two hindmost Bells dodge; which happens in Course every twenty Changes; by this Method it will go sixty Changes; and by making two Bobs, it will go hundred and twenty: The first Bob is made at the End of sixty Changes, and the other at the last Treble leading of the Peal.

Hunts 1 2

<u>12345</u>					
21354	13425	54132	<u>12453</u>	<u>15342</u>	15423
23145	14352	51423	<u>14523</u>	<u>14523</u>	<u>14532</u>
32415	41532	15243	<u>15432</u>	<u>12435</u>	13245
23451	45123	<u>12534</u>	<u>13254</u>	<u>14325</u>	Bob
32541	54213	15324	Bob	13452	12345
23514	45231	<u>13542</u>	<u>12354</u>	<u>15234</u>	
32154	54321				
31245	45312	<u>14235</u>	<u>13524</u>	<u>12543</u>	

The

The DREAM.

THE Treble in this Peal has a direct hunting Course, and when it leaveth the fifth and fourth Places coming down, the two Bells that are there continue dodging till it cometh up and hinders them, except when the two Hunts are together before, which happens in Course every forty Changes; the Bobs are every Time the half Hunt is in second or third's Place, if the whole Hunt lead, and then the Bells in second and third's Places lie still.

Hunts 1 2.

<u>12345</u>					
21435	15324	14235	14352	Bob	14523
24153	51342	Bob	13425	12534	12354
42513	53124	14253	15243	15432	Bob
45231	35214	13524	Bob	14523	12345
54321	32541	15342	15234	13254	
53412	23451	12435	14325	Bob	
35142	24315	Bob	13452	13245	
31524	42135	12453	12543	15432	
13542	41253				

WINWICK DOUBLES.

IN this Peal first the two hindmost Bells, dodge, except the whole Hunt hinders them, till the first Single is made; and then the two foremost Bells dodge, except the whole Hunt hinders them, until another Single be made; and so on successively throughout the whole Peal. There are six Singles, made after the same Manner as in ST. DUNSTAN'S DOUBLES.

12345					
21354	41532	31254	41523	51234	41325
23145	45123	32145	45132	52143	43152
32415	54213	23415	54312	25413	34512
34251	52431	32451	45321	24531	35421
43521	25341	23541	54231	42351	53241
45312	23514	32514	45213	43215	52314
54132	32154	23154	54123	34125	25134
51423	31245	21345	51432	31542	21543
15432	13254	12435	15342	13425	12534
14523	Bob	14253	Single	14352	Bob
	13524		15324		12345

GRANDSIRE.

EVERY Bell in this Peal has a direct hunting Course till the Treble leaves Leading, and then the Bell in third's Place lies

The ART of RINGING. 31

lies still a whole Pull, and the hindmost Bells make a single Dodge, and then proceed in the same Course again, and every Time the half Hunt dodgeth behind, a Bob must then be made; at which the Bells that are in the third's Place, when the Treble goes to lead, and leaves Leading, lie a whole Pull, and the two hindmost Bells make a double Dodge, as may be seen in the following Peal. By this Method it will go sixty Changes; and by making two Singles, it will go one hundred and twenty; the Singles are made at the End of the Changes; and at the End of the Peal: the Manner of making Singles is, the Bell in third's Place lies there two whole Pulls, and the Bell in second's Place lies there a whole Pull.

Platts 15.

12345		21354		21343		31452		31324		15432		15234
23145		25134		34125		35142		14523		12543		12543
32415		52314		43215		53412		13254		Bob		
34251		33241		42351		54321		Single		13452		
43521		35421		24331		45231		13245		14325		
45312		34512		25413		42513		15342		15423		
54132		43152		52143		24153		13524		14532		
5142		11325		51234		71435		13524		14532		
1524		Bob		13324		Bob		Bob		12354		
12534		14352		13542		12453		14253		Single		
		13425				14235		12435		12345		

This Peal of *Grandfire* may be rung, by making any Bell the Hunt at Pleasure; but

32 CAMPANALOGIA: Or,

then the first Change being made at Back-Stroke prevents the cutting Compass, which otherwise would happen throughtout the Peal, and then the Bells will come round at Fore-stroke; but in the following Peal, wherein Second is the whole Hunt, and Fifth the Half, the first Change being a Single prevents the cutting Compass, and they come round at Back-stroke.

GRANDSIRE.

Hunts 2 5.

12345				
Single	51324	14532	14253	Bob
12354	53142	15423	12435	24153
13245	35412	51243	Bob	21435
31425	34521	52134	21453	25134
34152	43251	25314	24135	21543
43512	42315	23541	25431	Bob
45321	Bob	32514	24513	23451
54231	24351	35241	23154	24315
52413	23415	53421	Single	25413
25143	33451	54312	23145	24531
21534	34215	45132		
12543	43125	41523	25341	13254
15234	41352	.	23514	12345

This Peal, as' fore appears, is in all Respects, the same as the former, only that Second is the whole Hunt in this, and Treble in that; therefore in ringing this, the second must be observed as the Treble is in the other.

LONDON

LONDON DOUBLES.

IN this Peal, the Treble hath an hunting Course as in *Grandfire*, and when it goes to lead, and leaves Leading, the Bell in third's Place lies still a whole Pull successively, and the Bells behind dodge till Treble parts them; except at a Bob, and then the Bell that is in third's Place, when Treble goes to lead, hunts up behind and makes a Dodge, and the Bell in fourth's Place hunts down; it differs from *Grandfire* only in this, that the Treble Leadings in this, are Bobs in that; and the Bobs in this, are Treble Leadings in that.

Hunts 1 3.

12345					
21354	54213	35421	43215	13245	15234
23145	52431	53241	34125	15423	14325
32415	25341	52314	31452	14532	13452
34251	23514	25134	Bob	Bob	12354
43521	32154	21543	13542	12435	Single
45312	31245	12534	15324	14253	12345
54132	Bob	15243	14235	13524	
51423	13425	51234	12453	15342	
15432	14352	52143			
14523	41325	25413	Single	Bob	
41532	43152	24531	13254	12543	
45123	34512	42351			

CAMBRIDGE DELIGHT.

IN this Peal the two hindmost Bells always dodge till the whole Hunt parts them; when the whole Hunt leaves third's Place hunting up, the two foremost Bells dodge till the half Hunt hinders them, whose Course is the same with the Course of the half Hunt in *Grandfire*: There are two Singles in this Peal, made by the same Rule as in *Grandfire*.

Hunts 2 4.

12345					
13254	43521	15432	53241	24531	23154
31524	45312	14523	52314	25413	32145
13542	54132	41253	25341	52431	31254
31452	51423	42135	23514	54213	13524
34125	15243	24153	32541	45123	31542
43215	12534	21435	35214	41532	13452
42351	21543	12453	53124	14352	14325
24315	25134	14235	35142	13425	&c.
23451	52143	41325	53412	31245	
32415	51234	43152	54321	32154	
34251	15324	34512	45213	23145	
	51342	35421	42513	Single	

CAMBRIDGE DELIGHT.

Hunts I 5.

This Peal is the same as the other, only that the Fifth is half Hunt instead of the Fourth.

21354	31524
23145	35142
32415	53412
32451	54321
32541	45231
35214	42513
53124	24153
51342	21435
15324	12453
13542	14235

This is one Third of the first Half, where the first Single is made,

Thus :

13254 1st Single
13245

12354 1st ditto
12345

CAMBRIDGE DELIGHT
another Way.

IN this Peal the two hindmost Bells always dodge till the whole Hunt hinders them, as in the former Peal; when the half Hunt leaves third's Place hunting up, the two foremost Bells dodge till the whole Hunt hinders them. It differeth from the former Peal in this; that whereas in the former, the Bells always begin to dodge before, when the whole Hunt leaves third's Place, and are parted by the half Hunt; and in this they begin to dodge before, when the half Hunt leaves third's Place, and are parted as well before as behind by the whole Hunt; and also that in this Peal the half Hunt dodgeth behind on the contrary Stroke to what it does in the former Peal: There are two Singles made likewise in this Peal, by the same as those in the preceding Peal.

Hunts I 4.

12345					
21354	54132	54213	12534	42351	41325
23145	51423	52431	15243	43215	43152
32415	15432	25341	51234	34125	34512
34251	14523	52314	52143	31452	5421
43521	41532	25134	25413	13425	53241
45312	45123	21543	24531	14352	35214

53124	35142	24153	41253	32541	13254
51342	53412	21435	42135	23514	Single
15324	54321	12453	24315	32154	13245
13542	45231	14235	23451	53214	Es.
31524	42513				

C H E C K E R.

IN this Peal, Treble is the whole Hunt, and Tenor the half Hunt, for twenty Changes; and then Tenor is the whole Hunt, and Treble the half Hunt, for the next twenty; and so they hunt by Turns throughout the Peal. When the Treble is the whole Hunt, the Bells behind always dodge, except hindered by Treble; when Tenor is the whole Hunt, the Bells before always dodge except hindered by Tenor. When Treble is before, and Tenor dodging behind, a Single is made by the Tenor, and the Bell which dodged with it; and when Tenor is behind, and Treble dodging before, a Single is made by the Treble, and the Bell then dodging with it.

Hunts 15.

12345

21354	51423	25341	13524	42315	35124
23145	15432	23514	15342	24135	31542
32415	14523	32154	51432	42153	13452
34251	41532	31245	54123	24513	31425
43521	45123	13254	45213	25431	13425
45312	54213	13245	42531	52341	5c.
54132	52431	31254	24351	53214	

C H A C E.

15.

This is the third Part of the Peal.

21354	41523	31245	51432
23145	45132	32154	54123
32415	54312	23514	45213
34251	53421	25341	42531
43521	35241	52431	24351
45312	32514	54213	23415
54132	23154	45123	32145
51432	21345	41532	31254
15432	12354	14523	13245
14532	13254	15423	13425

IN this Peal the Bells all hunt, except when the Treble is going to lead, or leaving the Lead, and then the Bell in third's Place lies still; and when she leads the two Bells in fourth and fifth's Places lie still, and at an Extreme; when the half Hunt is at home, the Bell in second's Place lies still.

ST. CLEMENT'S

ST. CLEMENT'S DOUBLES.

IN this Peal, the Treble has an hunting Course; and as soon as it comes behind, the two foremost Bells dodge till Treble parts them, whilst the Bell then happening in third's Place lies still a whole Pull, and then moves up behind; there are six Singles in this Peal, made by the same Rule as in ST. DUNSTON'S DOUBLES.

12345					
21435	5432	3254	3425	Single	13524
24153	51342	Bob	4352	12453	12435
42513	53124	3245	5243	15324	Single
24531	35214	14532	Bob	13542	12345
42351	53241	15423	15234		
24315	35421		13452	14235	
42135	53412	12354	14325	Bob	
41253	35142	Single		14253	
14523	31524	12534	12543	15342	

WESTMINSTER DOUBLES.

THE Treble in this Peal has an hunting Course; and every other Time it leaves the third's Place hunting up, the two foremost Bells dodge till it comes down and

40 CAMPANALOGIA: Or,

and parts them; the Bells behind continue dodging till Treble hinders them, except at a Bob, which is every Time the second lieth next the Treble, if Treble leads, and then the Bells in second and fifth's Places lie still, and the Bells in third and fourth's Places make a single Dodge.

Hunts. I. 2.

12345					
21354	31254	51423	41523	12534	15234
23145	32145	54132	45132	21543	Ec.
23415	23415	45312	54312	25134	
2345	24351	54321	53421	52314	
32541	42531	45231	35241	25341	
23514	45213	54213	32514	52431	
32154	54123	45123	23154	25413	
31245	51432	41532	21345	52143	
13254	15423	14523	12354	51234	
13245	15432	14532	Bob	15243	

WESTMINSTER DOUBLES, *another Way.*

THIS Peal differs from the other only in this, when the two Hunts are together behind in that Lead where the Dodge is before, then there is a Dodge omitted; and when they are together in that Lead where there is no Dodging, then there is a single

The ART of RINGING. 41

single Dodge made, and the Bell in third's Place lies still.

Hunts 15.

12345			
21354	41352	51342	31542
23145	43125	53124	35124
32415	34215	35214	53214
34251	43251	53241	52341
43512	34521	35421	25431
34512	35412	53412	24513
43152	53142	35142	42153
41325	51324	31524	41235
14352	15342	13542	14253
14325	15324	13524	14235

&c.

G O G M A G O G.

IN this Peal, the Bells hunt as in *Grand-fire*; and this differs from that only in this, that there is not every other Time a single Bob, but instead of a single Bob every other Time there is a double Bob; so that only once in four Times there is a single Bob; but when Tenor is Dodging behind, and the Treble leads, there is always a Single made by it, and the Bells which dodge with it.

12345						
21354	12534	14352	52134	43512	42351	
23145	21543	Bob	51243	34152	24531	
32415	25134	14325	15234	31425	25413	
34251	52314	41352	12543	13452	52143	
43521	53241	43125	21534	Bob	51234	
45312	35421	34215	25143	13425	15324	
54132	34512	32451	52413	31452	13542	
51423	43152	23541	54231	34125	Ec.	
15243	41325	23314	45321	43215		

A N T I L O P E.

IN this Peal the Bells hunt as in *Grandfire*; and when the Treble is before, a Single is always made by the Tenor, and the Bells which follow it, the other Bells lying still a whole Pull: There are two Doubles made in this Peal at the same Places, and instead of the Singles in *Grandfire*.

12345						
21354	12543	13452	51234	42153	Bob	
23145	21534	13425	15324	41235	13245	
32415	25143	31452	13524	1425	—	
34251	52413	34125	31542	14235	15423	
43521	54231	43215	33124	—	14523	
45312	45321	42351	53214	15432	—	
54132	43512	24531	52341	14532	Ec.	
51423	34152	25413	25431	—		
15243	31425	52143	52143	12354		

CAMBRIDGE JOURNEY.

THIS Peal is in every Respect the same as *Gogmagog*, only in this, when the two Hunts change with each other behind, the two Bells before make a single Dodge, and the Bell in third's Place liss still.

Hunts 1 5.

21354	41532	31254	21534
23145	45123	32145	25143
32415	54213	23415	52413
23451	52431	32451	45321
32541	25341	23541	45312
35214	23514	25314	43512
53124	32154	52134	34152
51342	31245	51243	31425
15432	13254	15234	13452
14523	13245	12543	13425

&c.

GOGMAGOG REVERSED.

IN this Peal the Treble is whole Hunt, and Fifth is half Hunt. Every Time the whole Hunt leaves the half Hunt before the Bell that comes to her, and she dodges until the Treble parts them, during which Time,

44 CAMPANALOGIA: Or,

Time, when the Treble lies behind, there is a single Change made by the two Bells in third and fourth's Places, lying still every Time the half Hunt is coming down: If the Treble is above her when she comes into third's Place, she then lies one Pull in third's Place, and goes up again; and every other Time when the two Hunts are together behind the Bell in third's Place, lies still and the two Bells before continue dodging once more.

Hunts 15.

21435	51234	31425	51243
24153	52143	34152	52134
42513	25413	43512	25314
24531	52431	34521	52341
42351	25431	43251	25341
43215	52413	34215	52314
34125	25143	43125	25134
31452	21534	41352	21543
13542	12354	14532	12453
15324	13245	15423	14235 &c.

C A L E N D A R.

IN this Peal the Treble is the whole Hunt, and Fifth is the half Hunt. The hunting Course of the Treble is thus, she hunts up behind, lies one Pull there, then she goes

The ART of RINGING: 45

goes down into third's Place, lies one Pull there, then goes up again, lies another Pull behind, then hunts down to the Lead, leads a Pull, then lies a Pull in second's Place, and leads another Pull, which finisheth her Course at every twenty Changes throughout the Peal. The Method to carry the Peal is thus: Every Time the Hunt lies still in third's Place, the two first Bells make a single Dodge, and when she lies in second's Place, the two next to her lie still likewise; at all other Times the Bells hunt.

Hunts 15.

The Course of this Peal is forty Changes only; but then by making another Alteration, thus, when the two Hunts lie still before, it will go one hundred and twenty.

21435	21453
24153	24135
42513	42315
45231	43251
54321	34521
53412	35412
35142	53142
53124	35124
35214	53214
32541	52341
23451	25431
24315	24513
42135	42153
41253	41235
14523	14325
15432	13452
51342	31542
51324	31524
15234	13254
12543	12545

51342 Extre.
51432

14523	12534	13542
15432	15243	15324
15342	15423	15234
13524	14532	12543
12435	13245	14325
14253	12354	13452
14352	12453	13254
13425	14235	12345

STEDMAN'S PRINCIPLE.

IN this Peal, every Bell hath one and the same Course, there being no proper Hunt or half Hunt therein; but the Method to be observed in ringing it, is this: The three foremost Bells go to the Sixes, and the two hind Bells dodge all the Time; now when the three foremost Bells have finished their Course of the six Changes, a parting Change must then be made, by hunting that Bell up behind to dodge, which first took Lead of the Treble, and that Bell down that was first behind; which being done, the three first Bells go the six Changes again, and the two Bells behind continue dodging as before, until the next parting Change, which must be made after the same Manner as the former: The first parting Change in the Peal pricked down here, is made the third Change, by the Treble parting the fourth and fifth, and then the Treble and fifth dodge, till the second, third, and fourth go the six Changes on three Bells; then another parting Change is made, by the second parting the Treble and fifth; and the third, fourth, and fifth go the six Changes, and the Treble and second dodge as before, till the next parting Change; which Course must be continued throughout the Peal: And observe, that
on

The ART of RINGING. 47

on six Changes the Bells cut Compass before, and the other they do not. There are two Singles made after the same Manner as in *Grandfire*; the ~~first~~ Single is made the fifth Time the ~~bell~~ leads a whole Pull, and the ~~last~~ Single at the same Distance as the first, which concludes the Peal.

12345					
21354	12453	25134	23415	34152	35412
23145	21435	52143	32451	43125	34521
32415	24153	25413	34215	41352	43512
23451	42135	24531	43251	14532	45321
24315	41253	42513	42315	41523	54312
42351	14523	45231	24351	45132	53421
43215	41532	54213	42531	54123	35241
34251	45123	52431	45213	51432	53214
43521	54132	25341	54231	15423	52341
45312	51423	52314	52413	51243	25314
54321	15432	53241	25431	52134	23541
53412	51342	35214	24513	25143	32514
35421	53124	32541	42153	21534	32154
34512	35142	23514	24135	12543	21345
43152	31524	32154	21453	15234	12354
34125	13542	31245	12435	51324	Single
31452	15324	13254	14253	15342	12345
13425	51234	Single	41235	13524	
14352	15243	13245	14325	31542	
41325	12534	31254	13452	35124	
14235	21543	32145	31425	53142	

These five Peals upon five Bells being several of them new, and the rest the most musical and best extant, we think them sufficient for to satisfy any reasonable Person.

The

48 CAMPANALOGIA: Or,

The next Thing in Course to be treated of, is, Peals upon six Bell; but before we proceed to them, it will be necessary to make some few but general Observations, for the more easy and effectual guiding the Learner therein.

M E R M A I D.

13254	12435
31245	21345
32154	12354
23145	21534
21354	12543
12534	15234
15243	51243
51234	15423
52143	51432
25134	15342
21543	51324
21453	53124

IN this Peal they go the Sixes before, whilst the two Bells behind dodge twice over; at the twelfth Change there is a Single made by the two Bells before lying still, then they go Sixes behind, whilst the two Bells before dodge twice over, and at the twenty-fourth Change a single Dodge is made by the two Bells behind lying still; which being repeated five Times, completes the hundred and twenty Changes.

S U C C E S S

S U C C E S S .

21354		24351
12534		23415
21543		32451
12453		34215
21435		43251
24153		34521
42513		35412
24531		53421
42351		54312
24315		45321
42135		43512
42315		43521

This is the one fifth Part of the Peal, which being repeated five Times completes the hundred and twenty Changes.

Of PEALS on SIX BELLS.

NOW upon six Bells there are seven hundred and twenty Changes, as will very plainly appear, if you multiply the hundred and twenty upon Five by the additional Figure Six, the Product will be seven hundred and twenty, the true Number of Changes on six Bells, which Changes are to be pricked, according to modern Computation, seven hundred and twenty several Ways and no more.

These seven hundred and twenty Changes may be divided into several Parts or Peals, as you please; as one hundred and forty four the one fifth; one hundred and eighty the one fourth Part of the Whole; or three hundred and sixty the one half; in which the chief Things to be observed are the Hunts, which are three, termed the whole Hunt, the half Hunt, and the quarter Hunt; and the Figures on the Top of each Peal relate thereunto; as on the Top of *Grandsire Bob* you see 1 6 4; that is, Treble the whole Hunt, six the half Hunt, and four the quarter Hunt; and so in the rest. Now he who ringeth the half Hunt, by observing the following Directions that are given to each Peal, may easiest give Notice of the Bob Changes, which must be just as the whole Hunt goeth to lead at the Fore-stroke, the Bob Change in all Peals upon six Bells being made at Back-stroke, by saying *Bob*.

But lest the shortest of these Peals should at first seem too tedious, and the making of Bobs too difficult for the Learner to adventure upon at first Sight, as we may very reasonably suppose they will, we shall therefore insert the Principle or Course only of one or two Peals, that by his being thoroughly perfect therein, he may, with more Ease, and less Difficulty, gain an Insight in making of a Bob Change: And, first, for the Course of

GRANDSIRE BOB, *commonly called*
PLAIN BOB.

IN ringing of which there are two Methods or Rules to be observed, whereby this Peal may be rung; and the first is, by the Meeting of the Treble as it hunteth down from behind; that is, any Bell that meets the Treble in fifth's Place, and it in sixth's, lies a Pull behind, and then hunts down into the third's Place, where it makes a Dodge with the Bell that is in the fourth's Place, by moving up again into the fourth's Place, and the Bell in fourth's down into third's, and then proceed into the Course as they were going before the Dodge, be it up or down: Any Bell that meets the Treble in fourth's Place, and it in fifth's, goeth behind, where it lies a whole Pull, and then moves down into the fifth's Place, and dodgeth back again into the sixth's Place, and then hunts down to lead: Any Bell that meets the Treble in third's Place, and it in fourth's, as soon as it cometh behind, it makes a Dodge back again into the fifth's Place, and then comes behind again, and lies there a whole Pull. before it hunts down; and any Bell that meets the Treble in second's Place, and it in third's, as soon as it comes into the fourth's Place, it dodgeth back again into the third's, and then

hunts directly up behind, where it lies a whole Pull before it moves down again; and any Bell, from which the Treble takes the Lead, lies next the Treble a whole Pull, and then leads again; and this is the Course of ringing this Peal by meeting of the Treble. The other Way of ringing it is a far more short and easy Method; but it is Practice only that must perfect the Ringer therein; and that is by hunting your Bell up and down, as the Course of the Bell you ring requires, till such Time as the Treble leads; and then the Bell in second's Place lieth still, and the Bells in third, fourth, fifth, and sixth's Places make a single Dodge, and proceed in the same Course as they were going before such Dodge was made; and this is the other Way of ringing it, as by the following Figures may more largely be seen. This Peal being the true Grounds of all other Peals, and in Music, not in the least inferior to any, we do therefore advise all Practitioners to be thoroughly perfect therein, as the only Means whereby they may, with a little Practice, attain to the true Knowledge and Understanding of any other.

The Course of GRANDSIRE, or
PLAIN BOB.

123456				
214356	321456	352146	536214	563421
241635	234165	325416	332641	536241
426153	243615	234561	325461	352641
462513	426351	243651	234516	325164
645231	462531	426315	243156	231546
654321	645213	462135	421365	213456
563412	654123	641253	412635	124365
536142	561432	614523	146253	123456
351624	516342	165432	142635	
315264	153624	164523	416253	
132546	156342	615432	461523	
135264	513624	651342	645132	
312546	531264	563124	654312	

The Course of COLLEGE
SINGLE BOB.

THERE is but one Method to be observed in the ringing of this Peal; and that is, by meeting the Treble only; Any two Bells that the Treble, when it comes from behind, leaves in the fifth and sixth's Places; those two Bells continue dodging till such Time as the Treble comes up again, and parts them; and every Bell that

54 CAMPANALOGIA: Or,

meets the Treble under the fourth's Place, that is, the Treble in third's, and it in fourth's; the Treble in second's, and it in third's; any such Bell so meeting the Treble, goeth no higher than into the fourth's Place, where it lieth a whole Pull, and then moves down to lead: And this is the Course of this Peal, as by the following Figures may be seen:

123456				
214365	316524	542436	413652	615243
241356	361542	521463	431625	651234
423165	635124	254136	346152	562143
432615	653214	245316	364512	526413
346251	562341	423561	635421	254631
364521	526431	432651	653241	245361
635412	254613	346215	562314	423516
653142	245163	364125	526134	432156
561324	421536	631452	251643	341265
516342	412563	613425	215634	314256
153624	145236	164352	126543	132465
135642	154263	146325	162534	123456

Now the Practitioner being thoroughly perfect in the Courses of these two Peals, he may then proceed to one hundred and eighty, or three hundred and sixty of *Grandfire Bob*, as followeth:

The Course of the one hundred and eighty is the same in all Respects as the foregoing Course of this Peal, except when a Bob is to be made, and then the Bell in fourth's Place lieth still, and the Bell in second's Place hunts directly up behind: The Bobs are to be made

The ART of RINGING. 55.

made every Time the half and quarter Hunts, which in the following Peal is the sixth and fourth, dodgeth behind; and three Bobs finish the Peal.

GRANDSIRE BOB 180.

Hunts 1 6 4.

123456				
214365	132546	154263	146325	165432
241635	Bob	152436	143652	164523
426153	123564	125346	134562	146353
462513	132654	Bob	135426	142635
645231	136245	152364	153246	124365
654321	163425	125634	Bob	123456
563412	164352	126543	135264	
536142	146532	162453	153624	
315624	145623	164235	156342	
315264				

Having before set down the whole Course at Length, we have here only inserted the Treble Leadings.

To ring an eighteen score of this Peal; every Time the half Hunt dodgeth behind, a Bob must then be made, except the quarter Hunt dodgeth with it, and then not; as in the following eighteen score may be seen:

GRANDSIRE BOB 360.

Hunts 1 6 5.

123456			
214365	132654	154632	152364
241635	136245	156423	Bob
426153	163425	165243	125346
462513	164352	162534	152436
645231	146532	126354	Bob
654321	145623	123645	125463
563412			
536142	154263	132465	124536
351624	Bob	134256	Bob
315264	145236	143526	142563
132546	154326	Bob	153462
Bob	Bob	134562	Bob
123564	145362		135426
			153246
			Bob
			135264

If for seven hundred and twenty, the Singles are made thus :

124365
First Single
124356

123465
Last Single
123466, &c,

In all Peals upon six Bells, that require Singles to be made to carry on the Peal seven hundred and twenty Changes, the most usual Way now in Practice is, to make one at the End of the eighteen score, and the other at

at the End of the next eighteen score; so that the last single Change completes the Peal.

And this further Observation may be made, that in all Peals where the Bell in second's Place lies still at a Dodge, the Bell in fourth's Place lies still at a Bob and that the half Hunt is always behind and out of the Bob, and doth not alter it's Course neither in Dodge nor Bob, when she is behind.

GRANDSIRE BOB REVERSED.

Hunts 165.

THE Method of this Peal is thus, every Time the Treble is behind, the Bell in fifth's Place lies still, and the first four make a single Dodge, and part; and when the Bobs are called, it is when the Treble is behind, where the Bell in third's Place lies still, instead of fifth's Place.

The FIRST SIXSCORE.

123456			
214635	645231	623451	The Bobs are called thus: every Time the sixth dodges before without the fifth, when Treble is behind.
241635	Bob	Bob	
426153	465321	263541	
462513	456231	236451	
645231	542631	324651	
462531	524361	342561	
645213	243561	435261	
654123			
561432	253461	453621	
516342	326541	546321	
153624	362451	564231	First Single
135264	Bob	652431	563421
	632541	134256	653421
			Second Single
			564321
			654321

COLLEGE SINGLE BOB, 144.

Hunts 165.

TO ring one hundred and forty four of this Peal; every Time the Treble leads, a Bob must then be made, except when the half and quarter Hunts dodge together behind, which happens in a Course every fourth Leading of the Treble; and nine Bobs finish the Peal; as in this pricked down. At a Bob the Bell in fourth's Place hunts up, and the Bell

The ART of RINGING. 59

Bell in fifth's comes down; as may be here seen.

123456				
214356	153624	124365	Bob	156423
241356	Bob	142356	163542	126354
423165	135264	152643	143265	Bob
432615	165432	Bob	134256	162534
346251	Bob	125463	154632	132465
364521	156342	165324	Bob	123456
635412		Bob	145362	
653142	146253	156234	165243	
561324	Bob		Bob	
516342	164523	136452		

To ring a hundred and eighty of this Peal; every Time the half Hunt makes a Change next the whole Hunt, a Bob must then be made; and three Bobs conclude the Peal.

To ring three hundred and sixty of this Peal; every Time the half Hunt is in second's Place going up, or in third's Place coming down, a Bob must then be made, except the quarter Hunt be in one of those Places with it, and then not; as by the following eighteen score may be seen:

60 CAMPANALOGIA: Or,

Hunts 1 3 5.

123456				
214365	135642	143526	Bob	136452
241356	145236	Bob	132654	132546
423165	154263	134256	134562	Bob
432615	164352	136425	Bob	123456
346251	146325	Bob	143652	
364521				
635412	126543	163254	134625	
653142	162534	136524	Bob	
561324	132465	Bob	143265	
516342	Bob	163425	163542	
153624	123645	123564	Bob	

If for seven hundred and twenty, the Singles thus :

132546
First Single
132456

123546
Last Single
123456

COURT SINGLE BOB.

Hunts 1 3 5.

IN this Peal the Treble is Hunt; and when it comes from behind, the two Bells that it leaves in the sixth and fifth's Places continue dodging till the Treble comes to lead, and then the Bell in fourth's Place goes up, and the Bell in fifth's comes down

The ART of RINGING. 61

down, as at a *College Single Bob*; but at a *Bob* the Bell in fourth's Place lies still, and the two Bells behind continue dodging till Treble parts them: The Method for the Bobs is the same as in the foregoing Peal.

123456				
214365	235146	632541	163425	Bob
241356	253416	623451	Bob	163254
423165	524361	264315	136452	136524
432615	542631	246135	134625	Bob
346251	456213	421653	Bob	163542
364521	465123	412635	443652	143265
635412	641532	146253	134562	Bob
653142	614523	164523	Bob	134256
561324	165432	124365	143526	132465
516342	156342	142635	123645	Bob
153624	513624	132546	Bob	123456
135264	531624	Bob	132654	
312546	356124	123564	136245	
321564	365214			

For seven hundred and twenty the Singles.

132465
First Single
132456

123465
Last Single
123456

OXFORD SINGLE BOB.

Hunts 1. 6. 4.

THE Course of this Peal is the same as the foregoing Peal, till the Leading of the Treble, and then the Bell in second's Place lies still a whole Pull, and the Bells in third and fourth's Places make a single Dodge, except at a Bob, and then the Bell in fourth's Place lies still a whole Pull, and then moves down to lead, and the Bell in second's Place moves up into fourth's; and every Time the half Hunt dodgeth behind, a Bob must be made, except the quarter Hunt dodge with it, and then not.

123456				
214365	146253	156234	Bob	154326
241356	142635	136452	143526	Bob
423165	132546	134625	134256	145362
432615	135264	124586	Bob	132465
346251	165432	Bob	143265	Bob
364521	164523	142563	125463	123456
635412			Bob	
653142	124365	153462	152436	
561324	Bob	Bob	154263	
516342	142356	135426	Bob	
153624			145236	
156342	152643	134562		

The ART of RINGING. 63

For seven hundred and twenty the Singles:

132465
First Single
132456

123465
Last Single
123456

GRANDSIRE DOUBLE BOB.

Hunts 1 3 4.

IN this Peal the Treble hath a direct hunting Course; and as soon as it moves out of the fourth's Place, the Bells in first and second's Places dodge until it comes down and parts them; as soon as the Treble comes behind, the Bell in fifth's Place lies still a whole Pull, and the Bells in third and fourth's make a single Dodge; then the Bell in fifth's Place goes behind, where it lies a whole Pull, and then moves down to lead; every Bell that comes from behind, when the Bells are dodging before, goes no lower than into the third's Place, where it lies a whole Pull, and then moves up again; when the Treble leads, the Bell in fourth's Place goes up, and the Bell in fifth's comes down, except at a Bob, and then the Bell in fourth's Place lies still, and the Bells behind make a single Dodge;

64 CAMPANALOGIA: Or,

and every Time the half Hunt is in second or third's Place, a Bob must then be made, except the quarter Hunt be in one of those Places, and then not.

123456	164352	Bob	135426	Bob
214365	146532	135264	Bob	123456
426153	156423	136452	153462	For seven hundred and twenty the Singles.
246513	165243	Bob	135642	
425631	125634	163425	Bob	132465
246531	152364	136245	153624	First Single
425613	132546	Bob	163542	123456
245163	Bob	163254	Bob	123465
421536	123564	123645	136524	Last Single
412356	Bob	Bob	132465	123456
443265	153246	132654	132465	
134625				

COLLEGE DOUBLE BOB.

Hunts 1 3 5.

THE Course of this Peal is the same as College Single, only in this it differs: That when the Treble moves up from leading, the Bells in first and second's Places dodge, and continue dodging till it comes down again and parts them: Every Bell that comes into third's Place, when the Bells are dodging before, lies there a whole Pull, and then moves up again: The

The ART of RINGING. 65

Bobs are made after the same Manner as in College Single, and called by the same Rule.

123456				
214365	145236	Bob	Bob	Bob
241356	154263	123645	163425	143265
423165	126543	143526	123564	103542
243615	162534	Bob	Bob	Bob
426351	153624	134256	132654	136452
246531	135642	136524	134562	132546
425613	104352	Bob	Bob	Bob
245163	146325	163254	141652	123456
421536	132465	136245	134625	
412563				

The Singles for the seven hundred and twenty are the same as in College Single.

LONDON DOUBLE BOB.

Hunts 1 3 5.

IN this Peak the Treble is Hunt; and when it moves up from Leading, the two foremost Bells continue dodging till it comes down and parts them: The Bell that comes into third's Place when the Treble is hunting up, lies there a whole Pull, and when the Treble is behind, the Bell in fifth's Place lies still, and the Bells

in

66. CAMPANALOGIA: Or,

in third and fourth's Places make a single Dodge: When Treble leads, the Bell in fourth's Place goes up, and the Bell in fifth's comes down, except at a Bob, and then the Bell in fourth's Place lies still, as in *Court Single Bob*. The Bobs are the same, and called by the same Rule as in that.

123456				
214365	146253	Bob	Bob	Bob
241356	164523	123564	143526	163542
423165	153624	163425	123645	143265
243615	135264	Bob	Bob	Bob
426351	124365	136452	132654	134256
243651	142635	134625	136245	132465
426315	165432	Bob	Bob	Bob
246135	156342	143652	163254	123456
421653				
412635	132546	134562	136524	

The Singles are the same as in Court Single Bob.

OXFORD DOUBLE BOB.

Hunts 1 6 4.

THE Course of this Peal is the same as *Oxford Single*, only that the Bells before dodge till Treble parts them; and when

The ART of RINGING: 67

when the Treble is behind, the Bell in fifth's Place lies still; and the Bells in third and fourth's Places make a single Dodge; then the Bell in fifth's Place goes behind, and the Treble hunts down to lead: The Bobs are made in the same Manner, and called by the same Rule, as in *Oxford Single*.

123456				
214356	146253	Bob	Bob	Bob
241256	142635	142356	143526	145236
423165	165432	124536	134256	154326
243615	164523	Bob	Bob	Bob
426351	153624	142563	143265	145362
243651	156243	153462	125463	132465
426315	132546	Bob	Bpb	Bob
246135	135264	135426	152436	123456
422653	135264			
412635	124365	134362	152436	

For seven hundred and twenty, the Singles are the same as in Oxford Single.

COURT BOB.

Hunts 1 3 5.

IN this Peal the Treble hath a plain hunting Course; and when it moves up from Leading, the Bell in third's Place lies still, and the two foremost Bells make a single Dodge; then the Bell in third's Place moves up, and likewise the Bell that first took the Lead of the Treble, and the Bell which dodgeth^c with it leads a whole Pull, and then makes another single Dodge with the next Bell that comes down to it, the Bell that happens in third's Place lying still, as before, and then moves up into the fourth's Place to make Room for the Treble: When the Treble leads, the Bell in fourth's Place goes up behind, and the Bell in fifth's comes down, as at *College Single Bob*, except at a Bob, and then the Bell in fourth's Place lies still, and the two hindmost Bells dodge till Treble parts them, as at a *College Single Treble leading*; and every Time the half Hunt is in second or third's Place, a Bob must be made, except the quarter Hunt be in one of those Places with it, and then not.

The ART of RINGING. 69

123456				
214365	165432	Bob	Bob	Bob
241356	156342	123564	143526	163542
423165	124365	165425	123645	143265
243615	142635	Bob	Bob	Bob
426351	153624	136452	132654	134256
462531	135264	134625	136245	132465
645213	146253	Bob	Bob	Bob
465123	164523	143652	163254	123456
641532	132546	134562	132465	
614523				

For seven hundred and twenty, the Singles are the same as in the foregoing Peal.



70 CAMPANALOGIA: Or,

NEW

LONDON PEALS

UPON

SIX BELLS.

COMPOSED

By JOHN PATRICK, and others.

LONDON DELIGHT.

Mus. 135.

IN this Peal the Treble hath a direct hunting Course; and when it lies behind, the Bell in fifth's Place lies still a whole Pull, and the other Four make a single Dodge; then the Bell in fifth's Place goes behind, and all the Bells go a hunting Course till Treble leads; and then the Bell in fourth's Place lies still, and the two hind Bells make a single Dodge, and then proceed in their Course as before: At a Bob, the Bell in fourth's Place goes up, and the Bell in fifth's comes down; and every Time

The ART of RINGING. 71

Time the half Hunt is in second and third's Places, if the whole Hunt leads, a Bob must then be made, except the quarter Hunt be in one of those Places, and then not.

123456				
214365	135642	143526	Bob	136452
247635	145236	Bob	132654	132546
426153	154263	134256	134562	Bob
462513	164352	136524	Bob	123456
645231	146325	Bob	143652	For seven hundred and twenty the Singles.
462531	126543	163254	134625	
645213	162534	156254	Bob	132546
654123	132465	Bob	143265	132456
561482	Bob	163485	163542	123546
516342	123645	123564	Bob	121456

LONDON NEW BOB.

Hunts 156.

EVERY Bell in this Peal hath a direct hunting Course, till the Treble comes behind; then the Bell in third's Place lies still, and the two foremost Bells make a single Dodge; then the Bell in third's Place moves up, and all the Bells go a hunting Course, till Treble leads; and

72 CAMPANALOGIA: Or,

and then the Bell in second's Place lies still, and the other four make a single Dodge, except at a Bob; and then the Bell in fourth's Place lies still, and the Bell in second's Place hunts up, and the two hindmost Bells make a Dodge; and every Time the half Hunt dodges behind, a Bob must be made, except the quarter Hunt dodge with it, and then not.

<i>Hunts</i> 1 2.			
123456	164235	126354	Bob
214365	Bob	162453	136245
241635	146253	Bob	163542
426153	164352	126435	165324
462513	Bob	124653	156423
645231	146325	Bob	154632
465321	143652	142635	145236
643512	Bob	163425	142563
634152	134625	Bob	124365
361425	162345	136452	123456
316245	Bob	163254	123456
132654	Bob		
Bob			
123645			

For seven hundred and twenty the Singles.

LANCASHIRE DELIGHT.

Hunts 1 3 4.

IN this Peal the Treble is hunt; and when it moves up from Leading, the Bells before dodge till it comes and parts them;

The ART of RINGING. 73

Bells before dodge till it comes and parts them; and every Bell that comes into the third's Place goes no lower, but lies there a whole Pull, and then moves up, except the Bell that comes there when the Treble leads, moves down; when the Treble is behind, the Bell in fifth's Place lies still a whole Pull, and the Bells in third and fourth's Places make a single Dodge; when the Treble leads, the Bell in fourth's Place goes up, and the Bell in fifth's Place comes down, except at a Bob; and then the Bell in fourth's Place lies still, and the Bells behind make a single Dodge every Time the half Hunt is in second or third's Place, except the quarter Hunt be with it, and then not.

123456				
214365	146532	Bob	Bob	For seven hun-
241635	156423	163425	153624	dred and twen-
426153	165243	136245	163542	ty the Singles.
246513	125634	Bob	Bob	132465
425631	152364	163254	136524	First Single
246531	132546	123645	132465	123456
425613	Bob	Bob	Bob	
245163	123564	132654	123456	
421536	153246	135426		123465
412356	Bob	Bob		Last Single
143265	135264	153462		123456
134625	136452	135642		
164352				

DUNSTABLE BOB.

Hunts 1 5 6.

IN this Peal the Treble hath only a plain hunting Course; for as soon as it comes behind, the Bell in fifth's Place lies still a whole Pull, and the other four make a single Dodge: The two Bells that the Treble leaves in fifth's and sixth's Places continue dodging, till it comes and parts them, except at a Bob: Every Bell that meets the Treble under fourth's Place, goes no higher, but lies a whole Pull, in fourth's Place, and then moves down again! At a Bob, the Bell in fourth's Place goes up, and the Bell in fifth's Place comes down; and every Time the half Hunt is in second or third's Place, a Bob must then be made, except the quarter Hunt be with it, and then not.

123456				
214365	613425	135426	Bob	152436
241356	164352	125634	145236	Bob
423165	146325	Bob	135642	125346
432615	153624	152364	Bob	145623
346251	Bob	154632	153462	Bob
432651	135264	Bob	152043	154263
346215	153246	145362	Bob	132465
364125	Bob	154326	125463	123456

For seven hundred and twenty, the Singles are the same as the former.

L E D B U R Y B O B.

Hunts 1 6 5.

THIS Peal is the same as the former, except in this; That when the Treble is behind, the Bell in third's Place lies still a whole Pull, and the two foremost Bells make a single Dodge: The Method for the Bobs is the same; and they are to be made after the same Manner as in the foregoing Peal.

123456				
214365	154326	152436	153246	146253
241356	Bob	Bob	Bob	164235
423165	145236	125346	135426	132465
432615	154263	152364	153462	123456
346251	Bob	Bob	Bob	
436521	145623	125634	135642	
345612	145362	145362	125463	
354162	Bob	Bob	Bob	
531426	154632	154632	152643	
513462				

For seven hundred and twenty, the Singles as before.

ALBION'S DELIGHT.

Hunts 1 3 6.

IN this Peal the Treble is Hunt; and as soon as it moves out of fourth's Place, the two foremost Bells dodge till the Treble comes down and parts them; when the Treble lies behind, the Bell in fifth's Place lies still, and the Bells in third and fourth's Places make a single Dodge: the two Bells that the Treble, when it comes from behind, leaves in the fifth and sixth Places doge till it comes up again and parts them; every Bell that meets the Treble as it hunts down under the fourth's Place, goes no higher, but lies a whole Pull in the fourth's Place, and then moves down to lead; except at a Bob, and then the Bell in fourth's Place comes down: And the Rule for calling them is the same as in the foregoing Peal.

123456				
214365	146253	Bob	Bob	Bob
241356	164235	123645	143562	153624
423165	125634	153462	123564	143205
243615	152643	Bob	Bob	Bob
426351	163542	135642	132654	134625
243651	136524	134256	135426	142546
426315	154320	Bob	Bob	Bob
246135	145362	143526	153246	122456
421653	132465	134562	135204	
412635				

For seven hundred and twenty the Singles:

132546
First Single
132456

123546
Last Single
123456

BRIDGE'S PLEASURE. *By* J. D.

Hunts 1 3 4.

THE Treble only in this Peal hath a plain hunting Course; for as soon as it leaves Leading, the Bell in sixth's Place hunts down into third's Place, where it lies a whole Pull, whilst the two foremost Bells make a single Dodge; then the Bell in third's Place, and the Bell that first took lead of the Treble, move up, and the other

E 3.

Bell

78 CAMPANALOGIA: Or,

Bell leads a whole Pull, and then makes another Dodge with the next Bell that comes down to it; the Bell that then happens in third's Place lying still as before: After which, every Bell hath a hunting Course, till the dodging again hinders. When the whole Hunt leads, and the half Hunt happens in second or third's Place, a Bob must then be made, except the quarter Hunt be with it, and then not. At a Bob, the Bell in fourth's Place lies still, and the two hind Bells make a single Dodge.

<u>123456</u>				
214365	156423	Bob	Bob	Bob
241635	165243	123564	163254	153624
426153	143265	153246	123645	163542
246513	134625	Bob	Bob	Bob
425631	125034	135264	132654	136524
452361	152364	136452	135426	132465
543216	164352	Bob	Bob	Bob
453126	146532	163425	153462	123456
541362	132546	136245	135642	
514632				

For seven hundred and twenty, the Singles thus:

132465
First Single
132456

123465
Last Single
123456

ST. CLEMENT'S BOB. By J. D.

Hunts 1 3 6.

IN this Peal the Treble hath a hunting-Courſe; and as ſoon as it leaves the fourth's Place, the foremoſt Bells dodge till it comes down and parts them: Every Bell that comes from behind, goes no lower than third's Place, excepting the Bell that happens there when the Treble goes to lead hunts down: When the Treble leads, the Bell in fourth's Place lies ſtill a whole Full, and the two hindmoſt Bells make a ſingle Dodge: At a Bob, the Bell in fourth's Place goes up, and the Bell in fifth's Place comes down; and they are called by the ſame Rule as in the foregoing Peal.

123456				
214365	164235	153462	Bob	134625
241635	125634	Bob	132654	132546
426153	152643	135642	135426	Bob
246513	163542	134256	Bob	123456
425631	136524	Bob	153246	
245361		143526	135264	
423516	154326	134562	Bob	
243156	145362	Bob	153624	
421365	132465	143652	143265	
412635	Bob	Bob	Bob	
146253	123645	123564		

For seven hundred and twenty, the Singles :

132546
First Single
132456

123546
Last Single
123456

GRANDSIRE COURT.

Hunts 1 5 6.

214365	125634	135426
241356	Bob	Bob
423165	152643	153462
432615	136245	124365
346251	163425	142635
432651	154326	156234
346215	Bob	165324
364125	145362	143526
631452	123564	134256
613425	132654	
164352	146253	
146532	164523	

IN this Peal, when Treble is behind, the Bell in fifth's Place lies still, and the four first make a single Dodge, and when she comes from behind, until she comes there again, the Peal the same as *Court Bob*.

Alteration

Alteration of Hunts SINGLE BOB
Method.

THE Course of this Peal is the same as in *College Single Bob*, with one Hunt; therefore the chief Thing to be observed herein, is, when the Hunt is altered; which Bell takes the Hunt's Place; and likewise to make the aforesaid Alteration in it's proper Place: Now in this Peal, every Bell goes Hunt for two Leadings; and first the Treble is Hunt, till the second Time it comes to lead, and then a Dodge is made by it, and the Bell lying next it, which is the fourth; then the Treble leads a whole Pull, and the fourth goes Hunt in the Treble's Place: Now, when the fourth has hunted two Leadings, the same Alteration is to be made again, between the fourth and the Bell that lies next it, which is third, as was before made between the Treble and fourth; and this Method is to be continued throughout the Peal. And observe, that in an Alteration of the Hunt, the Bell in third's Place lies still, the Bell in fourth's Place goes up, and the Bell in fifth's Place comes down. The Bobs are in Course at the End of every ten Leadings,

E 5

82 CAMPANALOGIA: Or,

ings, and made after the same Manner as in *College Single*.

But Note, That at a Bob there is no Alteration made in the Hunt, but the same Hunt continues till the second Leading after the Bob.

123456				
214365	516342	342516	254136	312456
241356	153624	312645	234651	132546
423165	135642	321654	243615	Bob
432615	145236	351426	213546	123456
346251	415326	531246	Bob	
364521	425613	541632	231456	
635412	452631	514623	321546	
653142	432156	524316	Bob	
561324				

Alteration of Hunts.

THE Course of this Peal is the same as the foregoing Peal, saving only that in this, there is an Alteration made in the Hunt every Leading: The first Leading Treble is Hunt, and when it comes to lead, there is an Alteration then made, by the Bell next it making a Dodge with it, which is fifth, and the fifth goes Hunt; and when it comes to lead, the same Alteration is to be made again; and this must be continued.

continued throughout the Peal : The Bobs are the same ; but you must observe to call them by this Method, the third Leading, the second Leading after, and the fifth Leading after, which carries the first Six Score ; and the same Method goes the next Six Score ; and so on to the End of the Peal.

But Note, That at an Alteration of the Hunt in this Peal, the Bells in third and fourth's Places lie still.

123456				
214365	146253	421563	54162	632451
241356	156342	241536	304251	652134
423165	Bob	231645	Bob	562143
432615	165432	Bob	346521	542301
346251	135264	213465	320145	452316
364521	315246	263514	236154	412053
635412	345612	623541	256431	142635
653142	435621	643125	526412	132546
561324	425136	Bob	516324	Bob
516342	245163	634215	Bob	123456
153624	265341	514532	561234	
513642	625314	64523	531462	
543216	515423	24305	351426	
453261	Bob	14356	321654	
463152	651243	254613	Bob	
Bob	041352	524631	312564	
436512	461325	53416	362415	
410235				

Alteration of Hunts.

THE Course of this Peal is the same as the preceding Peal, except at a Bob; for whereas in the preceding Peal, at a Bob, the Bell in fourth's Place moves up, and the Bell in fifth's Place comes down; on the contrary in this, the Bell in fourth's Place lies still at a Bob, and the two hind Bells continue dodging till the Hunt parts them. The Method of Bobs is thus; the first Bob is made at the third Leading; the second three Leadings after the first; and the third four Leadings after the second, which finishes the first Six Score: And the same Course and Method must be observed throughout the Peal; as by the subsequent Figures may be seen:

123456				
214365	426531	216453	631425	153462
241356	246513	126435	361452	513426
423165	216345	136524	351264	523614
432615	126354	316542	531246	Bob
346251	156423	346215	541632	532641
364521	Bob	Bob	Bob	542136
635412	165432	364251	514623	452163
653142	135264	354162	524316	462351
561324	315246	534126	254361	642315
516342	345621	524361	264153	612543
153624	435621	254613	624135	162534
513642	425136	214356	634521	132465
543216	245163	Bob	Bob	Bob
453261	265341	241365	643512	123456
463152	Bob	261543	613245	
Bob	Bob	621534	163254	
436125	256314	621534	163254	

The Course of this Peal is the same with the foregoing Peals, only it differs in the Alteration of the Hunts; for, whereas in the first of these Peals the Hunt is altered every second Leading, in this it is only altered at a Bob; so that whatsoever Bell takes the Hunt's Place at the first Bob, continues Hunt until the next Bob. And observe, that, at every Alteration, the Bells in third and sixth's Places lie still; and the Bell in fourth's Place goes up, and the Bell in fifth's Place comes down; and you must make the first Bob the fifth Leading, the second two Leadings after the first, and the

6 CAMPANALOGIA: Or,

the third Bob three Leadings after the second; and so on to the End of the Peal.

123456				463521
214365	126543	542361	351426	Bob
241356	162534	524316	315462	643251
423165	132465	514623	365214	653142
432615	Bob	541632	356241	635124
346251	312645	531246	346152	625431
364521	342516	513264	Bob	Bob
635412	324561	563412	436512	265341
653142	364125	536121	416235	45163
561324	634215	520134	461253	254136
516342	514532	Bob	451362	234651
153624	541522	256314	415326	243615
135642	523145	216435	425613	213546
145236	612354	261453	452631	Bob
154263	552413	231564	423156	Bob
164352	Bob	Bob	423165	123456
146325	265341	321654		

Alteration of Hunts Court Bob Way.

THE principal Course of this Peal is the same as in *Court Bob*, with one Hunt, excepting the Alterations that are made in the Hunt (which in this Peal is every

The ART of RINGING. 87

every Time the Hunt comes to lead) must be made after the same Manner, as in the preceding Peals; observing that at every Alteration the Bells in third and fourth's Places lie still, and the two hind Bells dodge till the Hunt parts them; except at a Bob, and then the Bells in third and fifth's Places hunt down, and second and fourth's Places hunt up. The Method for the Bobs in this Peal, is the fifth Leading of the Hunt, the next Leading after, and the fourth Leading after; which finishes the Six Score: The same Method carries on the remaining Part of the Peal.

123456				
214365	213465	543216	513642	436512
241356	Bob	453261	524631	421563
423165	231645	416235	Bob	241536
243615	254613	146253	542361	263514
426351	Bob	135264	516324	623541
462531	245163	315246	156342	614532
645213	236154	364251	124365	164523
465123	326145	Bob	214356	132546
641532	354162	346521	265341	Bob
614523	534126	312564	625314	123456
165432	562143	Bob	641352	
615423	552134	321654	461325	
632451	643125	345612	452316	
362415	Bob	435621	Bob	
351426	634215	412653	425136	
531462	651243	142635	463152	
526413	561234	153624	Bob	
256431				

88 CAMPANALOGIA: Or,

The Course of this Peal is the same as *Court Bob*; with one Hunt; and it differs from the foregoing Peal, that the Alteration of the Hunt is only at such Times as a Bob is to be made; so that a Bell goes Hunt from Bob to Bob; at an Alteration of the Hunt, the Bell in third and fourth's Place lies still; but at a constant Leading of the Hunt, the Bells in third and fifth's Places hunt down, and second and fourth hunt up. The Method of calling the Bobs is, the fifth Leading, the fourth Leading after, and the next Leading after; which Bob ends the first Course, or six Score of the Peal: The same Method being observed, carries the Peal three hundred and sixty Changes; as followeth:

123456				
214365	164523	643125	254613	Bob
241356	132546	634215	231645	543216
423165	Bob	651243	Bob	561234
243615	312564	615423	321654	516324
426351	346521	632451	345612	542361
462531	364251	623541	Bob	524631
645213				
465123	315246	614532	435621	513642
641532	351426	641352	412653	531462
614523	362415	625314	421563	526413
165432	326145	Bob	436512	Bob
156342	354162	265341	463152	256431
124365	Bob	214356	425136	213465
142635	534126	241536	452316	Bob
153624	562143	263514	461325	123456
135264	Bob	236154	416235	
146253	652134	245163	453261	

Alteration

*Alteration of Hunts Double Bob
Way.*

THE Course of this Peal is the same as *Double Bob*, with one Hunt; excepting that every Time the Hunt comes to lead (except at a Bob) an Alteration is then to be made, according to the same general Method as in *Single Bob*; at which Alteration the Bell in third's Place lies still, the Bell in fourth's Place goes up, and the Bell in fifth's Place comes down; but at a Bob, there is no Alteration made in the Hunt, for the same Hunt continues till the next Leading, and the Bell in third's Place moves down, and the Bell in fourth's Place lies still. The Method for calling the Bobs is the same as in the foregoing Peal.

90 CAMPANALOGIA: Or,

123456				
214365	254136	652413	364215	Bob
241356	213546	562143	312645	563412
423165	Bob	514623	Bob	541632
243615	231564	154263	321654	451362
426351				
246531	256314	126543	365214	436512
425613	526134	216453	Bob	346152
245163	513204	245163	356241	315462
421536	153624	425613	324561	135642
412563	162534	461253	234651	164352
145236	612354	Bob	265341	Bob
415326	635142	416235	625431	146325
432156	Bob	423165	643251	132465
342516	653142	243615	463521	Bob
351426	614532	261435	452631	123456
531246	Bob	621345	542361	
524316	641523	634215	536421	

Of TREBLE BOB.

SO called, from the constant dodging Course that is assigned unto the Treble; for, whereas in all other Peals, where the Treble has a plain hunting Course, the Course or Length of Treble leading is no more than twelve Charges; but in the following Peals, the Treble having a double Course, by dodging before, in the Middle, and behind, before, and after, having lain still,

still, or led a whole Pull, that Course is doubled; so that every Leading contains twenty-four Changes, and the Course of each Peal without a Bob is 120, and by making three Bobs they will go eighteen Score; but by making nine Bobs they will go seven hundred and twenty complete Changes without a Single; as by the following Peals and Directions will more plainly appear.

OXFORD TREBLE BOB.

THE Treble in this Peal hath a dodging Course after this Manner; First it makes a single Dodge before; then it hunts up into the fourth's Place, where it makes another Dodge, by coming back again into the third's Place; then it hunts directly up behind; and as soon as it comes behind, it makes another Dodge, by coming back into the fifth's Place; and then it goes behind again, where it lies a whole Pull, and goes into fifth's Place, and then makes another Dodge back again into sixth's Place; then it hunts down into the third's Place, where it makes another Dodge, by going back into fourth's Place, and then hunts down to lead; and as soon as it comes before, it makes another Dodge, and then leads a whole Pull. This in the Course of the Treble; and that Bell that takes first
the

92 CAMPANALOGIA: Or,

the Lead from the Treble, continues to lead a whole Pull, and lies a Pull in second's Place, till such Times as the Treble comes to lead again: When the Treble dodgeth behind, the Bells in third and fourth's Places make a single Dodge; when it dodges before, the Bells in third and fourth's Place make a single Dodge; when it dodges before, the Bells in third and fourth's Place lie still, and a single Dodge is made behind; when it leads, the Bell in fourth's Places goes up, and the Bell in fifth's Place comes down, except at a Bob, and then the Bell in fourth's Place lies still, and a double Dodge is made behind; and every Time the half Hunt makes a Change next the whole Hunt, a Bob must be made; and three Bobs go eighteen Score Changes: But to go seven hundred and twenty without a Single, observe the following Directions.

123456				
214365	265341	123465	135264	123459
124356	256431	213456	132546	
213465	524613	124365	Bob	
231645	526431	142635	123564	
326154	254613	146253	132654	
321645	245163	164523	Bob	
236154	421536	165432	123645	
263514	425163	156342	132465	
625341	241536	153624	Bob	
623514	214356			

Directions

Directions to go seven hundred and thirty without a Single.

IN all Treble Bobs, where the Bell in second's Place lies still, with the whole Hunt at the Dodges, this Rule must be observed. To go eighteen Score with a whole and a half Hunt with three Bobs, as it is pricked every Time the half Hunt comes into sixth's Place, and the whole Hunt leads, make a Bob; or every Time the half Hunt comes into fifth's Place, make a Bob; this will go eighteen Score; but to go seven hundred and twenty, you must make Use of a quarter Hunt; and when the half Hunt comes into fifth or sixth's Places, make a Bob, except the quarter Hunt be in one of those Places, and then not; and this will go seven hundred and twenty without a Single.

And in all Peals, where the Bell in fourth's Place lies still at the Leadings of the whole Hunt, at the Dodges, this Rule must be observed. Every Time the half Hunt is in second or third's Place, a Bob must be made, and three Bobs go eighteen Score; but for seven hundred and twenty, you must use a quarter Hunt; and if the quarter Hunt be in one of those Places with the half Hunt, then not: This, with nine Bobs, will go seven hundred and twenty Changes, without a Single; as in the following Example may be seen:

The Bobs for seven hundred and twenty. OXFORD TREBLE BOB.*Hunts 1 3 5.*

132546		Bob	
123564	134652	Bob	134256
163425	Bob	163254	132465
Bob	143526	136524	Bob
136452	Bob	Bob	123456
134625	123645	163542	
Bob	Bob		
143652	132654	143265	
	Bob	Bob	
	136245		

COLLEGE TREBLE BOB.

Hunts 1 3 6.

THE Treble hath the like dodging Course in this as in the preceding Peal; and when it dodges before, the Bells in third and fourth's Place lie still, and the two hind Bells make a single Dodge; when it dodges in the Middle, the Bell in second's Place lies still, and another single Dodge

The ART of RINGING. 95

Dodge is made behind; when it leaves the fourth's Place, the Bell in third's Place lies still, and the two foremost Bells make a single Dodge; when it dodges behind, the Bell in fourth's Place lies still; when it lies behind, the two foremost Bells make a single Dodge; when it leaves the fifth's Place hunting down, a single Dodge is made before; when it leads, the Bell in fourth's Place lies still, except at a Bob, and the Bell in fifth's comes down; and they are called by the same Rule as the foregoing Peal.

123456					
214305	252614	541632	125634	Bob	
124356	526341	514362	152643	123564	
213465	256431	153426	146253	132546	
231645	524613	513462	164235	Bob	
326154	542631	154326	132465	123456	
321645	456213	145362	Bob		
236154	546123	163542	123645		
326514	451632	136524	132654		
235641	456123				

The Method for seven hundred and twenty is the same as in the preceding Peal.

COLLEGE PLEASURE.

Hunts 136.

THE Course of this Peal is the same as *Oxford Treble Bob*, till the Treble comes to dodge behind; and then the Bells
in

96 CAMPANALOGIA: Or,

in third and fourth's Places lie still, and the two foremost Bells dodge, till the Treble hath finished it's Course behind; but observe, when it lies still behind, the Bell in third's Place lies still only; and then the same Course must be observed in the hunting of it down, as was in it's hunting up. The Method for the Bobs, either for the three hundred and sixty or seven hundred and twenty, is the same as the foregoing Peal.

123456				
214365	265314	631254	154326	132654
124356	623541	613524	145362	Bob
213465	263451	105342		123564
231645	624315	615324	125634	132546
326154	264351	163542	152643	Bob
321645	623415	136524	132465	123456
236154	632145		Bob	
263514	361254	146253		
625341	362145	164235	123645	

Now the Practitioner being perfect in these three Peals, he may then proceed to the next following; which is to ring an eighteen Score without a Bob, as followeth:

MORNING STAR.

Hunts 1 6.

THE Treble in this Peal hath the same Course as in the former Peals; and when it dodges behind, the Bells in third and fourth's Places lie still, and the two foremost Bells make a single Dodge; otherwise it is the Course of *Oxford Single*, till the Leading of the Treble, and then the Bell in second's Place lies still, and the other four dodge; except at a Bob, the Bell in second's Place goes up, and the Bell in fourth's Place lies still. The Bobs are made according to the preceding general Rule.

123456				
214365	265314	321654	165432	Bob
124356	623541	312564	164523	134256
213465	632451	135246	146253	132465
231645	364215	315264	142635	Bob
326154	634251		124365	123456
321645	362415	132546	Bob	
236154	326145	135264		
263514	231654	153624	142356	
625341	236145	156324	143265	

For seven hundred and twenty, 1 6 4 may be Hunts, or others at Pleasure.

EVENING STAR.

Hunts 1 3.

THE Course of this Peal is the same as the former, till such Time as the Treble has left off dodging in the Middle; and then the Bell in third's Place lies still, and the two foremost Bells make a single Dodge; when the Treble dodges behind, the Bell in second's Place lies still, and third and fourth's Places dodge; when it leaves the fifth's Place hunting down, they make another single Dodge before; when it leads, the Bell in fourth's Place lies still, except at a Bob; then the Bell in fourth's Place goes up, and fifth's comes down. The Bobs as before.

<u>123456</u>				
214365	236514	531462	164352	Bob
124356	325641	513642	146325	123564
213465	352461	156324	126543	132546
231645	534216	516342	162534	Bob
326154	532461			123456
321645	354216	153624	132465	
236154	534126	135642	Bob	
326514	351462	145236	123645	
235641	354126	154263	132654	

LONDON NEW DELIGHT.

Hunts 1 5.

THE Course of this Peal is the same as the former; excepting that when the Treble lies still behind, a single Dodge is made by the two foremost Bells, the Bell then happening in third's Place lying still; and when Treble leads, the Bell in second's Place lies still, and the Bells in third and fourth's Places make a single Dodge: At a Bob, the Bell in second's Place goes up, and fourth's Place lies still.

<u>123456</u>					
214365	236514	321465	156423	Bob	
124356	325641	312645	154632	134256	
213465	235461	136254	145236	132465	
231645	324516	316245	142563	Bob	
326154	325461	132654	124365	123456	
321645	234516	136245	Bob		
236154	324156	163542	142356		
326514	231465	165324	143265		
235641	234156				

MORNING PLEASURE.

Hunts 1 3.

THIS Peal hath the same Course as *Oxford Treble Bob*; excepting that when the Treble lies still behind, the Bell in third's Place lies still, and the two foremost Bells make a single Dodge; when Treble leads, the Bell in fourth's Place lies still; but at a Bob it goes up, and the Bell in fifth's Place comes down. The Bobs must be made according to the general Rule, either for eighteen Score, or seven hundred and twenty.

123456				
214365	265341	163452	162534	Bob
124356	625431	613425	—————	123564
213465	264513	—————	145236	132546
231645	265431	164352	154263	Bob
326145	624513	146325	—————	123456
321645	642153	—————	132465	
236154	461235	153624	Bob	
263514	462153	135642	123645	
625341	641235	—————	—————	
623514	614325	126543	132654	

PRIMROSE.

Hunts 1 3.

THE Treble hath the same Course in this as in the foregoing Peal; and when it dodges before, the Bell in third's Place lies still, and the Bell in sixth's Place hunts directly down; then the Bell that was in third's Place goes up into the fourth's Place, where it lies another Pull, the two Bells behind dodge till the Treble comes up and parts them; when the Treble hath left dodging in the Middle, the two foremost Bells make a Dodge; when it lies still behind, another Dodge is made by the two foremost Bells; when it dodges behind, the Bell in fourth's Place lies still; when it hunts down from behind, the two foremost Bells make another Dodge; when it leads, the Bell in fourth's Place goes up, and that in fifth's comes down; except at a Bob, and then the Bell in fourth's Place lies still, and the two hindmost Bells make a single Dodge. The Method for the Bobs are the same as before.

123456				
214365	254361		146532	Bob
124635	523416	156423		123456
216453	532461	165243	132546	
261435	354216		Bob	
624153	534126	143265	123564	
621435	351462	134625		
264153	354126		132654	
624513	531462	125634	Bob	
265431	513426	152364	123645	
256413	154362			
524631	514632	164352	132465	

T U L I P.

Hunts 16.

THE Treble hath the like dodging Course in this as in the former Peals; and when it dodges before, the Bell in third's Place lies still; when it dodges in the Middle, a single Dodge is made behind; when it leaves dodging in the Middle, hunting up, a single Dodge before; when it dodges behind, the Bell in fourth's Place lies still; when it lies still behind, the Bell in third's Place lies still, and a single Dodge is made by the two foremost Bells; when it leaves fifth's Place hunting down, another single Dodge before; when it leads, the

The ART of RINGING. 103

the Bell in second's Place lies still, and the other four make a single Dodge; except at a Bob, and then the Bell in second's Place goes up, and the Bell in fourth's Place lies still. The Bobs are called according to the preceding general Rule for eighteen Score, when the Half-hunt dodges behind, except with the Quarter, and then not: Any Bell may be half or quarter Hunt at Pleasure.

123456				
214365	325641	136425	154623	Bob
124635	235461	316245	————	134256
216453	324516	————	145236	————
261543	342561	132654	142563	132465
625134	435216	136245	————	Bob
621543	345126	————	124635	123456
265134	431562	163542	Bob	
625314	435126	165324	142356	
263541	341562	————	————	
236514	314652	156423	143265	————

V I O L E T.

Hunts 1 3.

IN this Peal, the Bell that first takes the Lead from the Treble, continues to lead a Pull, and lies a Pull in second's Place;
 F 4 till

104 CAMPANALOGIA: Or,

till such Time as the Treble comes to lead again; when the Treble dodges behind, the Bell in second's Place lies still, and third and fourth's Places make a single Dodge; when it leads the Bell in fourth's Place lies still; but at a Bob, it goes up, and the Bell in fifth's Place comes down.

123456				
214365	253641	126453	164235	Bob
124635	235461	216543	163542	123564
216453	324516		136524	
261543	325461	125634	132465	132546
625134	234516	152643	Bob	Bob
621543	243156			123456
265134	421365	154326	123645	
256314	423156	145362	123645	
523641	241365			
526314	214635	146253	132654	

CHEAPSIDE BOB.

Hunts 1 3.

IN this Peal, when the Treble dodges in the Middle, the Bells in fifth's and sixth's Places lie still, and the two foremost Bells make a single Dodge; when it dodges behind, the Bells in third and fourth's Places

The ART of RINGING, 105

Places lie still, and another single Dodge is made before; when it dodges before, the Bell in third's Place lies still; when it leads, the Bell in fourth's Place goes up, and fifth's comes down; but at a Bob, the Bell in fourth's Place lies still.

123456				
214356	462351	164253	135264	Bob
124635	426531	614523	—————	123645
216453	245613	—————	146253	—————
261435	425631	165432	164523	132465
624153	246513	156342	—————	Bob
261453	264153	—————	132546	123456
624135	521435	124365	Bob	
642315	264135	142635	123564	
463251	621453	—————	—————	
643215	612435	153624	132654	

SYMPHONY. By J. D.

Horns 1. 3.

IN this Peal, when the Treble dodges before, the Bells in fifth and sixth's Places lie still; when it dodges in the Middle, the Bell in second's Place lies still, and the two hind Bells make a single Dodge; when it dodges behind, the Bell in fourth's Place

106 CAMPANALOGIA: Or,

lies still; when it lies behind, the Bell in third's Place lies still, and the two foremost Bells make a Dodge; when it leads, the Bell in fourth's Place lies still; but at a Bob, it goes up.

123456				
214365	264513	631542	126543	Bob
123465	625431	613452	162534	123564
214356	265341	164325	145236	132546
241536	623514	613425	154263	Bob
425163	632541	164352	132465	123456
421536	365214	146325	Bob	
245163	635124	153624	123645	
425613	361542	135642	132654	
246531	365124			

WESTMINSTER BOB.

Hunts 1. 6.

IN this Peal, the Bells dodge behind till Treble parts them; when it dodges before, the Bells in third and fourth's Places lie still; when it dodges in the Middle, the Bell in second's Place lies still; when it leaves the fourth's Place hunting up, or fifth's Place hunting down, the Bell in third's Place lies still, and the two foremost Bells make a single Dodge; when it dodges behind, the Bell in second's Place lies still, and

and third and fourth's Places make a Dodge ; when it lies behind, the Bell in third's Place lies still, and the two foremost Bells dodge ; when it leads, the Bell in second's Place lies still, and the Bells in third and fourth's Places make a single Dodge ; except at a Bob, and then the Bell in second's Place goes up, and the Bell in fourth's Place lies still. The Bobs for three hundred and sixty, or seven hundred and fifty, are according to the general Rule.

123456				
214365	326451	135246	164523	Bob
124356	236541	315264	————	134256
213465	325614	————	146253	————
231456	326541	132546	142635	132465
324165	235614	135264	————	Bob
321456	325164	————	124365	123456
324165	231546	153624	Bob	
324615	235164	156342	142356	
236451	321546	————	————	
234615	312564	165432	143265	

COLLEGE DELIGHT.

Hunts 1 3.

IN this Peal, when Treble dodges before, the Bells in third and fourth Places lie still, when it dodges in the Middle, the Bells in fifth and sixth's Places lie still, and

108 CAMPANALOGIA: Or,

the two foremost Bells make a Dodge; when it dodges behind, the Bell in second's Place lies still, and third and fourth's make a single Dodge; when it lies behind, the Bell in fifth's Place lies still, and the other four make a Dodge; when it leads, the Bell in fourth's Place goes up, and the Bell in fifth's Place comes down; but at a Bob, the Bell in fourth's Place lies still.

123456				
214365	364251	142653	142635	Bob
124356	632451	412635		123645
213465	364215		165432	
231645	362451	146253	156342	132465
326145	634215	164523		Bob
231654	643125		132546	123456
326154	461352	153624	Bob	
362415	643152	135264	123564	
634251	461325			
632415	416235	124365	132654	

LONDON SCHOLARS' PLEASURE.

By J. D.

Hunts 1 3.

THE Course of this Peal is the same as *Oxford Treble Bob*, until the Treble comes to dodge behind; and then the Bells in third and fourth's Places lie still, and the two

two foremost Bell make a Dodge; when it lies behind, the Bell in fifth's Place lies still, and the other four make a Dodge; when it leads, the Bell in fourth's Place goes up, and the Bell in fifth's Place comes down; but at a Bob, the Bell in fourth's Place lies still.

123456				
214365	623541	164532		123645
124356	265341	614523	146253	
213465	623514		164523	132465
231645	263541	165432		Bob
326154	625314	156342	132546	123456
321645	652134	124365	Bob	
236154	561243	142635	123564	
263514	562134			
625341	651243	153624	132654	
265314	615423	135264	Bob	

EVENING DELIGHT.

Hunts 1 3.

IN this Peal, the Treble only dodges before; then it hunts up behind, where it lies a whole Pull, and then hunts down into the third's Place, where it lies another whole Pull, and then hunts up again, and lies another Pull behind, before it hunts down to lead; when the Treble leaves the fourth's Place,

110 CAMPANALOGIA: Or,

Place, the first Time it hunts up, the two foremost Bells dodge, till the Treble has lain a Pull behind; when the Treble lies in third's Place, the Bell in fourth's Place lies still, and the two first and two last Bells make a single Dodge; as soon as it comes behind the second Time, the two foremost Bells dodge again, and continue dodging till it comes down and parts them; when it leads, the Bell in fourth's Place lies still, and the two hind Bells-dodge till it goes up and parts; but at a Bob, the Bell in fourth's Place hunts up, and the Bell in fifth's comes down.

<u>123456</u>				
214365	531246	126534	164235	Bob.
124356	351264	216543		123564
213465	532146		163542	
231456	523416	125634	136524	132546
324165	254361	152643		Bob
234615	524631		132465	123456
326451	256413	154326	Bob	
236541	526413	145362	123645	
325614	251634			
352164	215643	146253	132654	

MORNING EXERCISE. By J. D.

Hunts I 3.

IN this Peal, when the Treble dodges before, the Bells in third and fourth's Places lie still; when it leaves the fourth's Place hunting up, the Bell in third's Place lies still, and the two foremost Bells make a single Dodge; when it dodges behind, the Bell in fourth's Place lies still; when it lies behind, the Bell in fifth's Place lies still, and the other four make a single Dodge; when it leads, the Bell in fourth's Place goes up, and the Bell in fifth's Place comes down: At a Bob, the Bell in fourth's Place lies still.

123456				
214365	253614	561342	125634	Bob
124356	526341	516432	152364	123645
213465	253641	154623	164352	132465
231645	526314	514632	146532	Bob
326154	562341	156423	132546	123456
321645	653214	165243	Bob	
236154	563124		123564	
326514	651342	143265		
235641	653124	134625	132654	

ROYAL BOB. By J. D.

Hunts 1 3.

THE Course of this Peal is the same as the foregoing Peal, excepting that the two hind Bells dodge till such Time as the Treble comes up and parts them; and when the Treble leads, the Bell in fourth's Place lies still, except at a Bob, and then, the Bell in fourth's Place moves up, and the Bell in fifth's Place moves down; as may be here seen.

123456				
214365	263415	541352	126543	Bob
124356	624351	614325	162534	123564
213465	263451	163452	145236	132545
231456	624315	613425	154263	Bob
324165	642351	164325	132465	123456
321456	163215	146325	Bob	
234165	643125			
324615	161352	153624	123645	
236451	163125	135642	132654	

CITY DELIGHT. By J. D.

Hunts 1 3.

IN this Peal, when the Treble dodges before, the Bell in third's Place lies still, and the Bell in sixth's Place hunts directly down: and when it leaves dodging before, the Bell in fourth's Place lies still; when it dodges in the Middle, the Bell in second's Place lies still; when it dodges behind, the Bells in third and fourth's Places lie still, and the two foremost dodge; when it lies behind, the Bell in third's Place lies still; when it leads, the Bell in fourth's Place lies still, but at a Bob it goes up, and the Bell in fifth's Place come down.

123456					
214365	246351	145236	————		Bob
124635	423615	154263	132465	123456	
216453	243651	————	Bob	————	
261435	426315	126543	123645		
624153	462135	162534	————		
621435	641253	————			
264153	642135	153624	132654		
246513	461253	135642	Bob		
425631	416235	————	123564		
245613	142653	164352	————		
426531	412563	146325	132546		

NEW LONDON PLEASURE.

By J. D.

Hunts 1 3.

IN this Peal, when the Treble dodges before, the Bell in fifth's Place hunts directly down, and the Bell that first took the Lead from the Treble continues to lead a Pull, and lies a Pull in second's Place, till such Time as the Treble comes to lead again; when the Treble dodges in the Middle, the two hind Bells make a single Dodge; when it dodges behind, the Bells in third and fourth's Places make a single Dodge; when it leads, the Bell in fourth's Place goes up, and the Bell in fifth's Place comes down: At a Bob, the Bell in fourth's Place lies still.

<u>123456</u>				
214365	526314	241365	164352	Bob
124635	253641	214635	146532	123645
216453	235461	126453	143265	132465
261543	324516	216543	134625	Bob
625134	325461	125634	132546	123456
621543	234516	152364	Bob	
265134	243156	156423	123564	
256314	421365	165243	132654	
523641	423156			

CAMBRIDGE SURPRIZE.

Hunts I 6 5.

123456			
214365	524631	146253	126435
124635	542631	142635	124653
216453	456213	132546	154326
261435	546123	Bob	Bob
624153	451632	123564	145362
621435	456123	163452	165243
264153	541632	164325	162534
624513	514623	154263	132465
265431	156432	Bob	134256
256413	516342	145236	
524631	153624	135642	
256431	156342	136524	

This is the first two hundred and forty.

The Method is thus, when Treble dodges before, the Bells in third and sixth lie still, when she moves in second and third's Places, the Bells in first and fourth's lie still, when she dodges in the Middle, the two first Bells lie still, when she moves in fourth's and fifth's Places, the Bells in third and sixth's lie still, when she dodges behind, the Bells in first and fourth's Places lie still, when she lies still behind, the Bell in fifth's Place lie still, and when she leads, the Bell in second's Place lies still.

OF CHANGES ON SEVEN
BELLS;*Commonly called Tripples.*

THIS Name or Denomination of Tripples, is very properly applied in this Case, to Changes on seven Bells, by Reason that in all practical Peals, every Change is a Tripple Change, because six of the seven Bells change their Places every Time that a Change is made; and of these Changes, as well as others, there are divers Ways and Methods to be used in pricking or ringing them; for any Peal upon six, wherein half the Changes are double, will go Tripples upon seven; or any Peal of Doubles upon five, will go Tripples upon seven; but laying aside others, we shall enlarge the more upon those that are now in Practice; and endeavour, as much as possible, to lay down plain and easy Rules for ringing them, and to give the most methodical Ways for calling of Bobs for any Peal, whether long or short. And, first, for

GRANDSIRE TRIPPLES.

SO called, by Reason that the ordinary Course thereof is the same as in *Grandsire* upon five Bells, saving that the two additional Bells make the Course the longer; for whereas in that, every Bell hunts till the Treble leaves Leading, when the Bell in third's Place lies still, and the other two dodge; so likewise in this Peal of *Grandsire Tripples*, every Bell hunts till the Treble hath left Leading, and the Bell in third's Place lies still, and the other four make a single Dodge; and this is the ordinary Course or Method of ringing this Peal: But lest the Practitioner at first cannot so readily give Attention to hear when Treble leads, there is another Way or Method, whereby this Peal is commonly rung.

And that is, by observing the Motion of the Treble, as it hunts from behind, in what Place it is in, when you meet or follow it; for Example, when the Treble is in sixth's Place, the Bell that follows it is in the plain Course; that is, hunts up and down, after the Treble, in the same Manner as the Treble does, and continues in that Course till a Bob; and any Bell that meets the Treble in fifth's Place, and it in sixth's, lies a whole Pull behind, then hunts down into fourth's Place, and makes a Dodge
back

118 CAMPANALOGIA: Or,

back into the fifth's Place, and then hunts down to lead; any Bell that meets the Treble in fourth's Place, and it in fifth's, goes behind, where it lies a whole Pull, then makes a single Dodge and moves down to lead; any Bell that meets the Treble in third's Place, and it in fourth's, as soon as it comes behind makes a single Dodge, then it lies a whole Pull behind, before it moves down to lead; any Bell that meets the Treble in second's Place, and it in third's, as soon as it comes into fifth's Place makes a Dodge back again into fourth's Place, and then hunts up behind; and any Bell, from which the Treble takes the Lead, moves up into third's Place, where it lies a whole Pull, and moves down to lead; and that Bell which first takes the Lead of Treble, is in the plain Course, as before; and this is the other Way of ringing this Peal: And by either of these Methods it will go seventy Changes; but by making of Bobs it will go three hundred and fifty, five hundred and four, six hundred and thirty, seven hundred, one thousand and eight, twelve hundred and sixty, or two thousand five hundred and twenty, the half Peal.

But before the Practitioner adventures upon any of these Peals, it will be very necessary for him to learn the Course perfectly, and from thence he may proceed to a Bob, which being thoroughly perfect in, he may proceed to some short Peal, before he adventures upon long ones. *The*

The Course of GRANDSIRE
TRIPPLES.

1	2	3	4	5	6	7
2135476	3542617	4365172	1423657			
2314567	3456271	4631527	1246375			
341657	4365721	6413257	2143657			
3426175	4637512	6142375	2416375			
4362715	6473152	1624735	4261735			
4637251	6741325	1267453	4627153			
6473521	7614235	2164735	6472513			
6745312	7162453	2617453	6745231			
7654132	1726543	6271543	7654321			
7561423	1275634	6725134	7563412			
5716243	2176543	7652314	5736142			
5172634	2715634	7563241	5371624			
1527364	7251364	5736421	3517264			
1253746	7523146	5374612	3152746			
2157364	5732416	3547162	1325476			
2513746	5374261	3451726	1234567			
5231476	3547621	4315276				
5324167	3456712	4132567				

Now when the Practitioner is thoroughly perfect in the Course, he may then proceed to the ringing one hundred and sixty eight of this Peal, in which the chief Thing to be observed, is, the Method of making and calling the Bobs: For calling them for this Peal the most easiest Way is every fourth Leading of the whole Hunt; but observe to call it just as the Treble is coming down Back-stroke, before it goes to lead, the Bob being made at Fore-stroke, and is a double Dodge; made upon

upon the four hind Bells; there being at a Bob two several Bells that lie each of them a whole Pull in third's Place, which is the Bell from which the Treble takes the Lead, and that Bell which is in third's Place, and follows the Treble as it comes down Back-stroke to lead: which Bell goes down, and takes lead of the Treble, so that it comes into the plain Course, and continues in the same until the next Bob; and three Bobs bring the Bells round, as in the following Peal will more plainly be seen.

Hundred and sixty eight GRANDSIRE
TRIPPLES.

<u>1234567</u>				
2135476	3542617	4365172	4132567	1043725
2314567	3456271	4631527	1435276	1467352
3241657	4365721	6413257	<u>1342567</u>	Bob
3426175	4637512	6142375	1537462	1325476
4362715	6473152	1624735	<u>1354726</u>	1234567
4637251	6741325	1267453	1736524	
6473521	7614235	2164735	<u>1375642</u>	
6745312	7162453	2617453	1632745	
7654132	1726543	6271543	<u>1367254</u>	
7561423	1275634	6725134	Bob	
5716243	2176543	7652314	1245376	
5172634	3715634	7563241	<u>1423567</u>	
1527364	7251364	5736421	1547263	
1253746	7523146	5374612	<u>1452736</u>	
2157364	5732416	3547162	1746532	
2513746	5374261	3451726	<u>1475623</u>	
5231476	3547621	4315276	Bob	
5324167	3456712	Bob		

Now

Now having in a very plain Method laid down the Manner of making a Bob, and likewise the true Time to call it, we shall make no further Examples thereof; what then remains, is to shew the Practitioner how and by what Method any Number of Changes, of this Peal, may be rung, whether long or short.

But to proceed gradually in this as well as in other Peals, the next Peal we shall make mention of is three hundred and fifty; wherein is to be observed, besides the whole Hunt, a half Hunt, which in the following Peal is the seventh, by which the Bobs are called, (but any Bell may be made half Hunt at Pleasure of him who calls the Bobs) observing to call them every Time the Treble, or whole Hunt, comes down to take the Lead from the half Hunt; and this, with five Bobs, will go three hundred and fifty Changes, as follow :

122: CAMPANALOGIA: Or,

For three hundred and fifty GRAND-SIRE TRIPPLES.

Hunts 17.

1234567			
2135476	6473152	1542367	1256743
2314567	6741325	1453276	1527634
3241657	7614235	1246573	1654237
3426175	Bob	1425637	1562473
4362715	7162453	1647235	1453672
4637251	1764235	1462753	1546927
6473521	1672453	Bob	1357426
6745312	1463752	1735426	1534762
7654132	1647325	1374562	Bob
7561423	1365427	1532764	1726543
5716243	1634572	1357246	1275694
5172634	1562374	1236547	1624735
8527364	1653247	1325674	1267453
1253746	1267543	1634275	1423657
2157364	1625734	1362457	1246375
2513746	Bob	1437652	1325476
5231476	1743652	1346725	1234567
5324167	1476325	Bob	
3542617	1345726	1752364	
3456271	1437562	1573246	
4365721			
4637512			

Now that the Practitioner may have some further Knowledge or Insight when to call a Bob, he may observe, that whatsoever Bell is made or designed for half Hunt, every Time such Bell, as aforesaid, dodges in the Middle,

The ART of RINGING. 123

Middle, and then moves up and meets the Treble behind, is certain warning for a Bob to be called in the three hundred and fifty, as soon as the half Hunt comes down to lead.

Three hundred and fifty GRAND-SIRE TRIPPLES, another Way.

1527364	1467253	1762534
1253764	1642735	Bob
1764235	1765432	1675243
Bob	1674523	1234657
1672453	1532647	Bob
1435627	Bob	1326475
Bob	1356274	1435276
1346572	1234576	1342567
1532476	1325467	1576324
1354267	1476352	Bob
1276345	Bob	1753642
Bob	1743625	1624735
1728654	1652734	Bob
1674258	Bob	1267453
1762435	1567243	1423657
1475632	1253647	1246375
1746523	1526374	1325476
1532764	1354276	1234567
Bob	1532467	
1357246	1457362	
1264375	1543726	
Bob		
1623457		

The next Peal that follows, in Course, is five hundred and four; to ring which, the same Method must be observed in all Places as in the three hundred and fifty, except in calling of the Bobs, they being divided into Courses; now in this Peal of five hundred and four, so likewise in all greater Peals, the Bobs are divided into several Parts or Courses, according as the Length or Course of the Peal composed will admit, they are divided into two Courses, there being four Bobs in a Course, and consequently eight in the Peal; to call which, observe the following Method:

First, the Person who designs to call the Bobs having pitched upon the Bell he rings, or any other, to be the half Hunt, he must call the two first Bobs by that Bell, after the same Manner as in the three hundred and fifty, which two Bobs, in Terms of Ringing, are called two before; the next Bob must be called four Leadings further, by which the half Hunt comes into the plain Course; the next Bob must be at the Distance of five Leadings, the same Bell being before, as was when the half Hunt was called into the plain Course, then the half Hunt will dodge in the Middle, and this Bob finishes the first Course or Part of the Peal, which, in Ringing Terms, is called two before, into the Hunt, and out of the Hunt; the same Method being observed again, concludes the Peal, as follows:

GRANDSIRE TRIPPLES, *five hundred and four.*

Hunts 1 6 5.

<u>1234567</u>			
2135476	1723546	1562734	1746532
2314567	Bob	Bob	Bob
3241657	1564732	1743526	1532764
3426175	1657423	1475362	1357246
4362715	1463527	1342765	Bob
4637251	1645372	1437256	1752364
6473521	1362475	1246357	1573246
6745312	1634257	1423675	Bob
7654132	1267354	1645273	1726543
7561423	1623745	1462537	1275634
5716243	Bob	Bob	1624735
5172634	1754632	1573426	1267453
1576243	1576423	1754362	1423657
1752634	1453726	1372564	1246375
1674532	1547362	1735246	1325476
1765423	1352467	1276345	1234567
1473625	1534276	1723654	
1746352			
1372456	1256374	1674253	
1734265	1523647	1762435	
1275364	1657243	1475632	

Five hundred and four GRANDSIRE
TRIPPLES.

Hunts 1 5 6 7:

1527364	1237564	1257463
1253764	1325746	1524736
1764235	1736245	1763542
Bob	1372654	Bob
1672453		1675324
1435627	1634752	1342657
Bob	1367425	Bob
1346527	1452376	1436275
1532476	Bob	1245376
1354267	1543267	1423567.

The next Peal that follows is six hundred and thirty, which is divided into five Courses, there being three Bobs in a Course, and fifteen in the Peal; and the Method to be observed in calling of them is this: The first Bob before, the second in the Middle, that is, when you follow the Treble in third's Place as it comes down call Bob, at which Bob you will dodge in the Middle with the Bell that is in the plain Course; and the third Bob is the very next Treble Leading to the second, which is called a double Bob, by Reason that there is no Leading of the Hunt between them; and this is called, one before, one in the Middle, and a double Bob; and this Method must be observed throughout the Peal.

GRANDSIRE TRIPPLES, six hundred and thirty.

Hants 1 3.

<u>1274567</u>			
2135476	1423657	Bob	Bob
2314567	<u>1246375</u>	1273654	1324675
3241657	Bob	1276345	<u>1236457</u>
3426175	1357264	* Bob	Bob
4362715	<u>1532746</u>	1354762	1563247
4637251	1756342	<u>1537426</u>	1652374
6473521	<u>1573624</u>	Bob	* Bob
6745312	1654723	1346527	1347625
7654132	<u>1567432</u>	1435672	<u>1436752</u>
7561423	Bob	Bob	Bob
5716243	1423576	1753462	1372456
5172634	<u>1245367</u>	1574326	<u>1734265</u>
<u>1527364</u>	* Bob	* Bob	Bob
1253764	1376234	1362547	1643723
<u>1726543</u>	<u>1732645</u>	1635274	1467352
1275634	Bob		* Bob
1624735	1365742		1325476
<u>1267453</u>	1637524		<u>1234567</u>

Observe, That where you see this Mark * placed at a Bob, signifies that every such Bob is the double Bob, in this and the following.

Six hundred and seventy-two GRAND-
SIRE TRIPPLES.

Hunts 1 3 6 7.

1527364	1756342	1634752	1342576
1253746	1573624	1367425	Bob
<u>1726543</u>	1654723	1452376	1435267
1275634	1567432	Bob	
1624735	1452637	1543267	
1267453	1546273	1257463	
1423657	1237564	1524736	
1246375	Bob	1756234	
1357264	1325746	1572643	
Bob	1736245	1653742	
1532746	1372654	1567324	

The next Peal that follows is a complete seven hundred, and the Bobs thereof are likewise divided into five Parts or Courses, and differs very little from the Method of the six hundred and thirty, there being the same Number of Courses, and likewise of Bobs, in a Course in this Peal, as in that: The Method to be observed for this Peal is as follows; the first Bob into the Hunt, or plain Course, the second three Leadings after the first, and the third two Leadings after the second, which finishes the first Course; the same Method being observed concludes the Peal.

GRANDSIRE TRIPPLES, *seven hundred.*

Hunts 1 6.

<u>1234567</u>			
2135476	1365427	1753642	1534627
2314567	<u>1634572</u>	Bob	Bob
3241657	Bob	1562743	1367524
3426175	1527643	<u>1657234</u>	<u>1635742</u>
4362715	<u>1256734</u>	Bob	Bob
4637251	1724536	1375624	1453672
6473521	1275463	<u>1736542</u>	<u>1546327</u>
6745312	Bob	Bob	Bob
7654132	1436257	1246735	1726543
7561423	<u>1342675</u>	<u>1427653</u>	<u>1275634</u>
5716243	Bob	Bob	1624735
5172634	1465372	1263457	<u>1267453</u>
1527364	<u>1643527</u>	<u>1624375</u>	1423057
<u>1253746</u>	Bob	Bob	<u>1246375</u>
1764235	1234657	1742635	1325476
1672453	<u>1326475</u>	<u>1476253</u>	1234567
1463752	Bob	Bob	
1647325	1576324	1356472	

GRANDSIRE TRIPPLES, seven hundred.

Hunts 1 6 7.

1527364	1435627	Bob	1423576
1253746	1346572	1765432	1245367
1726543	1532470	1674523	1327465
1275634	1354267	Bob	1234756
Bob	Bob	1532647	1726354
1643257	1276345	1356274	1273645
1462375	1723654	1234576	1625743
1345672	Bob	1325467	1267524
1436527	1545732	1437265	Bob
Bob	1467523	1342756	1543276
1572463	1543627	Bob	1452367
1754236	1456372	1765324	
1276534	1342576	1673542	
1725643	1435267	Bob	
Bob	1247365	1524637	
1634752	1423756	1256437	
1367425			

The next Peal in Course is one thousand and eight, being the one fifth Part of the Whole; and it is divided into two Parts or Courses, there being nine Bobs in a Course; and the Method to be observed in calling them is this; the first four Bobs are before, according to the same Method as the first two in the five hundred and four; the next, being the fifth Bob, is at the Distance of four Leadings, at which Bob the half Hunt goes into the plain Course; the next, being the sixth Bob, is at the Distance of five Leading, when the small Bell is before as was at the fifth Bob, and the half Hunt dodges in the Middle, and goes out of the plain Course; the seventh and eighth Bobs are both in the Middle; at both which Bobs the half Hunt dodges in the Middle, with the Bells that were in the plain Course; the ninth, being a double Bob, is called the next Leading unto the eighth; and this is called four before into the Hunt, and out of the Hunt, twice in the Middle, and a double Bob; the same Method being observed again, concludes the Peal.

GRANDSIRE TRIPPLES, *one thousand and eight.*

Hunts I 4.

<u>1234567</u>			
2135476	<u>1342567</u>	<u>1652437</u>	<u>1542736</u>
2314567	Bob	Bob	Bob
3241657	<u>1457362</u>	<u>1254673</u>	<u>1247536</u>
3426175	<u>1543726</u>	<u>1526437</u>	<u>1425763</u>
4362715	Bob	* Bob	Bob
4637251	<u>1476523</u>	<u>1473562</u>	<u>1273465</u>
6473521	<u>1745632</u>	<u>1745326</u>	<u>1724356</u>
6745312	Bob	Bob	Bob
7654132	<u>1462735</u>	<u>1436725</u>	<u>1654723</u>
7561423	<u>1647253</u>	<u>1347652</u>	<u>1567432</u>
5716243	Bob	Bob	Bob
5172634	<u>1742635</u>	<u>1462357</u>	<u>1764523</u>
1527364	<u>1476253</u>	<u>1643275</u>	<u>1675432</u>
<u>1253764</u>	Bob	Bob	* Bob
1726543	<u>1723456</u>	<u>1425673</u>	<u>1423657</u>
<u>1275634</u>	<u>1274365</u>	<u>1246537</u>	<u>1246375</u>
1624735	Bob	Bob	1325476
1267453	Bob	Bob	1234567
Bob	<u>1564273</u>	<u>1457236</u>	
<u>1435276</u>			

GRANDSIRE TRIPPLES, *one thousand and eight.*

Hunts 1 4 6 7.

Bob.	1267354	1234576	1452637
1576243	1623745	1325467	1546273
1752634	1765243	1437265	1253476
1674532	1672534	1342756	1524367
1765423	Bob	Bob	
1473625	1543627	1765324	
1746352	1456372	1673542	
1473625	Bob	Bob	
1746352	1342576	1524637	
1372456	1435267	1256473	
1734265	1247365	1423576	
1275364	1423756	1245367	
1723546	Bob	Bob	
Bob	1765432	1376254	
1564732	1674523	1732645	
1657423	Bob	Bob	
1463527	1532647	1654723	
1645372	1356274	1567432	
1362475			
1634257			

The next, unto this, is one thousand two hundred and sixty, or the quarter Peal, the Bobs whereof, are divided into five Parts or Courses, there being five Bobs in a Course, and twenty-five in the Peal; the first two are before, the next two in the Middle, and a double Bob, (according to the foregoing Directions) which finishes the first Course; the same being

134 **CAMPANALOGIA: Or,**
 being observed, four Times more, finishes
 the Peal, as follows:

One thousand two hundred and sixty,
or the Quarter Peal of GRAND-
SIRE TRIPPLES.

Hunts 1 5.

<u>1234567</u>			
2135476	1543276	1625374	1564327
2314567	<u>1452367</u>	<u>1263547</u>	<u>1653472</u>
3241657	Bob	Bob	Bob
3426175	1537462	1365274	1542673
4362715	<u>1354726</u>	<u>1632547</u>	<u>1456237</u>
4637251	Bob	* Bob	Bob
6473512	1576324	1574623	1365427
6745312	<u>1753642</u>	<u>1756432</u>	<u>1634572</u>
7654132	Bob	Bob	Bob
7561423	1435762	1542736	1235627
5716243	<u>1347526</u>	<u>1457263</u>	<u>1346572</u>
Bob	Bob	* Bob	* Bob
5172634	1745362	1523467	1527364
1576243	<u>1473526</u>	<u>1254376</u>	<u>1253746</u>
1752634	* bob	Bob	1726543
Bob	1562437	1745236	<u>1275634</u>
1564732	<u>1654273</u>	<u>1472563</u>	<u>1024735</u>
1657423	Bob	Bob	<u>1267453</u>
Bob	1523674	1275436	1423657
1275643	<u>1256347</u>	<u>1724563</u>	<u>1246375</u>
1726534	Bob	* Bob	1325476
Bob	1537246	1536742	<u>1234567</u>
1625743	<u>1352764</u>	<u>1357624</u>	
1267534	Bob	Bob	
* Bob			

One

One thousand two hundred and sixty,
or the Quarter Peal of GRAND-
SIRE TRIPPLES.

Hunts 1 5 6 7.

1527364	1257463	1246357	Bob
1253746	1524736	1423675	1364257
Bob	1756234	1645273	1632475
1764235	1572643	1462537	1465372
1672453	1653742	Bob	1643527
Bob	1567324	1573426	1567423
1435672	Bob	1754362	1654732
1346527	1342576	Bob	1762534
1532476	1435267	1326745	1675243
1354267	Bob	1237654	Bob
1237564	1276453	1624357	1234657
1325764	1724635	1263475	1326475
1736245	1675234	1435673	1435276
1372654	1762543	1246537	1342567
1634752	1573642	1527436	
1367425	1756324	1254763	
Bob	Bob	1723564	
1452376	1342765	1275346	
1543267	1437256		

The next Part into which this Peal is divided is two thousand five hundred and twenty, being the one half Part of the Whole; the Bobs thereof, being forty-five in Number, are likewise divided into five Parts or Courses, there being nine Bobs in a Course; now amongst the different Ways, that may be used in calling the Bobs for this Peal, we shall only insert this following, as being the truest and best, now in Practice; the Method thereof being thus; the two first Bobs are before, as in the Quarter Peal; the third into the Hunt, at the Distance of four Leadings; the fourth out of the Hunt, at the Distance of five Leadings; the fifth and sixth Bobs are before, as the two first; the seventh is in the Middle, at the Distance of three Leadings from the sixth; the eighth is into the Hunt, at the Distance of five Leadings from the seventh; and the ninth and last is a double Bob, as in the former Peal, which finishes the first Course; and this, in shorter Terms, is called two before into the Hunt, and out of the Hunt two before again, one in the Middle, into the Hunt, and a double Bob; as by the following Peal will more plainly be seen.

The ART of RINGING. 137

Two thousand five hundred and twenty,
or the half Peal of GRANDSIRE
TRIPPLES.

Hunts 1 3.

<u>1234567</u>			
1527364	* Bob	1762435	Bob
<u>1253746</u>	1245763		1275436
Bob	1427536	* Bob	<u>1724563</u>
1764235	Bob	1453726	* Bob
<u>1672453</u>	1725463	1547362	1536742
Bob	1274536	Bob	<u>1357624</u>
1743652	Bob	1743526	Bob
<u>1476325</u>	1756234	1475362	1756342
Bob	1572643	Bob	<u>1573624</u>
1673452	Bob	1732465	Bob
<u>1764325</u>	1276534	1374256	1764523
Bob	1725643	Bob	<u>1675432</u>
1635724	Bob	1472365	Bob
<u>1367542</u>	1263745	1743256	1574623
Bob	1627354	Bob	<u>1756432</u>
1765324	Bob	1426753	Bob
<u>1673542</u>	1723645	1247635	1542736
Bob	1276354	Bob	<u>1457263</u>
1752643	Bob	1746253	Bob
<u>1576234</u>	1734256	172635	1752436
Bob	1372465	Bob	<u>1574263</u>
1367524	Bob	1765432	Bob
<u>1635742</u>	1627345	1674523	1723564
Bob	1263754	Bob	<u>1275346</u>
1372645	Bob	1247653	Bob
<u>1736254</u>	1674253	1426735	1457236

138 CAMPANALOGIA: Or,

154276	Bob	1734562	1753642
<u>Bob</u>	1725346	<u>1375426</u>	* Bob
1473562	<u>1273564</u>	Bob	1624735
1745326	Bob	1746325	<u>1267453</u>
* Bob	1375246	<u>1473652</u>	1423657
1362754	<u>1732564</u>	Bob	<u>1245375</u>
1637245	Bob	1537462	1325476
<u>Bob</u>	1354762	<u>1354726</u>	1234567
1732654	<u>1537426</u>	Bob	
1376245	Bob	1576324	

NEW

LONDON PEALS

UPON

SEVEN BELLS.

PLAIN BOB TRIPPLES.

THE Course of this Peal is thus: Every Bell hath a hunting Course the same as the Treble, until the Treble leads, and then the two Bells in second's and seventh's Places lie still, whilst the four middle Bells make a single Dodge.

The first Treble Lead.

1234567

2143657

2416375

4261735

4627153

6472513

6745231

7654321

7563412

5736142

5371624

3517264

3152746

1325476

1352747

The

140 . CAMPANALOGIA: Or,

- The Bobs in this Peal are made by the two Bells in fourth and seventh's Places lying still thus.

1325476

Bob

1235746

The Course of this Peal contains eighty-four Changes, which is six treble Leads, at which every Back-stroke Change is a double Change, all the rest being tripple Changes, which Method will make a complete five thousand and forty, as will be seen hereafter; but as it is necessary to ring short Peals before you attempt the Whole, the following Peals are introduced in order to qualify them by often ringing them well before they go for the whole. Peal.

PLAIN

PLAIN BOB TRIPPLES, *one hundred and sixty eight.*

THIS Peal is composed of three Bobs and one plain Lead, which being repeated, three Times, produceth the Number.

1325476

Bob

1235746

1327564

Bob

1237654

1326745

Bob

1236475

1324657

1342567

PLAIN BOB TRIPPLES, *two hundred and fifty two.*

THIS Peal is completed by calling a Bob at the End of each Course, there being only three Bobs in the Whole.

PLAIN

PLAIN BOB TRIPPLES, *three hundred and thirty six,*

Hunts 1 7 6 4.

THE Method for calling the Bobs in this Peal is contained in the first eight Leads, which being repeated three Times, produceth the Number.

1325476	1435276
Bob	1453726
<u>1235746</u>	<u>1547302</u>
1327564	Bob
Bob	<u>1457632</u>
<u>1237654</u>	<u>1546723</u>
1326745	Bob
Bob	<u>1456273</u>
<u>1236475</u>	<u>1542637</u>
1324657	<u>1524367</u>
<u>1342567</u>	

PLAIN BOB-TRIPPLES, *four hundred and twenty.*

Hunts 1 7.

THE Method to call this Peal is, every Time the half Hunt dodges in fifth's and sixth's Places, Bob at every Course and the half Hunt comes home into her Place again, in doing of which she shews her Revolution throughout the whole Peal; so does the sixth likewise show hers at the End of every ~~four hundred~~ and twenty.

1325476

Bob

1235746

1327564

1372654

3789245

3763435

2474352

1647582

1465723

Bob

1645273

1462537

1426357

This repeated five Times completes it.

PLAIN BOB TRIPPLES, *five hundred and four.*

THE Bobs in this Peal are finished as to the Method in the first twelve Leads, but are repeated three Times, which produceth the Number.

1325476	1543276
Bob	Bob
<u>1235746</u>	<u>1453726</u>
1327564	1547362
<u>1372654</u>	<u>1574632</u>
1736245	1756423
<u>1763425</u>	<u>1765243</u>
1674352	1672534
<u>1647532</u>	<u>1627354</u>
1465723	1263745
<u>1456273</u>	<u>1236475</u>
1542637	1324657
Bob	1342567
1452367	

PLAIN BOB TRIPPLES, *five hundred and eighty eight.*

1325476	1542637	1463752	1674523
Bob	1524367	1436572	1647253
<u>1235746</u>	<u>1253476</u>	<u>1345627</u>	<u>1462735</u>
1327564	1 Bob	1354267	1426375
<u>1372654</u>	<u>1523746</u>	<u>1532476</u>	<u>1243657</u>
1736245	1257364	Bob	Bob
<u>1763425</u>	<u>1275634</u>	<u>1352746</u>	<u>1423567</u>
1074352	1726543	1537264	
<u>1647532</u>	<u>1762453</u>	<u>1537624</u>	
1465723	1674235	1756342	
<u>1456273</u>	<u>1647325</u>	<u>1765432</u>	

By repeating these eighteen Treble Leads twice, and then calling a Bob at the End of the Course, completes the Peal.

PLAIN BOB TRIPPLES, *six hundred and seventy two.*

Hunts 1 7 6.

1325476	1243675	1462573	1452376
Bob	Bob	1426757	Bob
1235746	1423765	1247635	1542736
1327564	1247356	1274365	1457263
1372654	1274536	1723456	1475623
1736245	1725463	1732546	1746532
1763425	1752643	1375264	1764352
1674352	1576234	1357624	1673425
1647532	1567324	1536742	1637245
1465723	1653742	Bob	1362754
Bob	Bob	1356472	1326574
1645273	1563472		1235647
1462537	1654327	1534627	Bob
1426357	1654327	1543267	1325467

These being twice repeated, completes the Peal.

The ART of RINGING. 147

PLAIN BOB TRIPPLES, *Seven hundred and fifty six.*

1325476	1253476	1532476
Bob	Bob	Bob
<u>1235746</u>	<u>1523746</u>	<u>1352746</u>
1327564	1257364	1537264
<u>1372654</u>	<u>1275634</u>	<u>1573624</u>
1736245	1726543	1756342
<u>1763423</u>	<u>1762453</u>	<u>1765432</u>
1674352	1674235	1674523
<u>1647532</u>	<u>1647325</u>	<u>1647253</u>
1465723	1468752	1462735
<u>1456273</u>	<u>1436572</u>	<u>1426375</u>
1542637	1245627	1243657
Bob	Bob	Bob
<u>1524367</u>	<u>1354267</u>	<u>1423567</u>

These being repeated three Times, completes the Peal.

148 CAMPANALOGIA:

PLAIN BOB TRIPPLES, *eight hundred and forty*

Hunts 1 6 5 7.

1352746	165734
*1357624	1526473
1563472	*1524367
1645237	1235746
1426753	1372654
1274365	1763425
*1273546	1647532
*1275634	1456273
1762453	*1452367
1647325	1534726
1436572	*1537642
*1435267	1365274
*1432756	1623457
1374625	1246735
1763542	1472563

This being repeated twice, goes the above Number complete, and by calling a Bob at the End of the eight hundred and forty, it will in three Courses go a complete two thousand five hundred and twenty.

The Changes here are only the Backstroke Leadings of the Treble, which is done to gain Room.

PLAIN BOB TRIPPLES, *five thousand and forty.*

Hunts 1 6 5 7.

1352746	1753246
*1357624	*1752634
1563472	1567423
1645237	1645372
1426753	1436257
1274365	1324765
*1273546	*1327546
*1275634	*1325674
1762453	1263457
1647325	1642735
1436572	1476523
*1435267	*1475362
1324756	1473256
1273645	1724635
1762534	1267543
1657423	1652374
1546372	1536427
*1543267	*1534762
1425736	1375246
1274653	1723654
1762345	1267435
1637524	1642573
1356472	1456327
*1354267	*1453762
1523746	1574236
*1527634	*1572643
1265473	1765324
1642357	1637452
1436725	1346275
1374562	1423567

This is the first eight hundred and forty Changes of the whole Peal, which being repeated three Times, goes two thousand five hundred and twenty, which is the half Peal, where, by making a single Change in this Manner,

1243657

1243567

And then by repeating the half Peal again, and making the Single at the End thus :

1234657

1234567

The whole five thousand and forty is completed without having one Change twice over; therefore as the Peal is easy in it's Method, and complete with the sixth and seventh always meeting the right Way, that is to have, when they are together behind, the seven six at the hand Change of the Treble, and the six seven at the Back-stroke, I would advise the young Practitioners who are ambitious of ringing so many at one Time, to ring this, it being the most easy to do.

The Method to call the Bobs is thus; every Time the half Hunt is in fifth's and sixth's Places, Bob except the quarter Hunt is then above Fourth's, then the Bob is omitted, and every Time the half Hunt is behind when the quarter Hunt dodges in fifth's and sixth's Places, without the half quarter Hunt a Bob.

COLLEGE SINGLE TRIPPLES.

THE Course of this Peal is the same as the Peal on six Bells, excepting in that the Bell in fourth's Place lies still, whilst the two Bells behind are dodging, and in this, the Bells in fifth's Place lie still whilst they are dodging.

The Method is thus; the two Bells that the Treble leaves behind continues dodging together there, until she comes up again and parts them; and when she hath past fifth's Place going down, until she comes up again to fifth's Place, every Bell from before makes fifth's Place and goes down again.

The Course of COLLEGE SINGLE
TRIPPLES.

2143576	5137642	6174235
2415367	5316724	6712453
4251376	3561742	7612435
4523167	3657124	7264153
5432617	5375214	2746513
5346271	6732541	2475631
3564721	7623451	4257361
3657412	7264315	4523716
6375142	2746135	5432176
6731524	2471653	5341267
7643542	4217635	3514276
7165324	4126735	3152467
1756342	1462735	1325476
1573624	1647253	1234567

The Course of this Peal are only three Treble, leading in which are only forty-two Changes, which are all Tripples; so likewise are the whole Compliment, which is five thousand and forty. To make a Bob in this Peal, you must observe, that at the Hand Change of the Treble, the three hind Bells make this Alteration.

7165324
4356234
1572643

COLLEGE SINGLE TRIPPLES,
one hundred and twenty six.

Bob	Bob	Bob
1756234	1756423	1756342
<u>1572643</u>	<u>1574632</u>	<u>1573624</u>
1364725	1263745	1462735
<u>1637452</u>	<u>1627354</u>	<u>1647253</u>
1245376	1435276	1325476
1423567	1342567	1234567

COLLEGE SINGLE TRIPPLES,
one hundred and sixty eight.

1756342	1756423	1756234
<u>1573624</u>	<u>1574632</u>	<u>1572643</u>
Bob	Bob	Bob
1462573	1263574	1364572
<u>1645237</u>	<u>1625347</u>	<u>1635427</u>
Bob	Bob	Bob
1723645	1734625	1742635
<u>1276354</u>	<u>1376452</u>	<u>1476253</u>
1435276	1245376	1325476
<u>1342567</u>	<u>1423567</u>	<u>1234567</u>
Bob	Bob	Bob

COLLEGE SINGLE TRIPPLES,
two hundred and ten.

IN this Peal the sixth is the half Hunt, and the Method to call it is thus: every Lead Bob, except when she is dodging behind, which is at every third Leading of the Treble, at which Place she comes home, that is, into her own Place again, having then finished her Revolution, she doing every three Leads the same Thing over again, until the Peal is completed, which is five Times.

Bob

1756234

1572643

Bob

1364572

1635427

1742356

1473265

The five Back-strokes leading of the Treble, at the End of each Course, where the half Hunt is at home, are thus.

1473265

1357462

1725364

1542763

1234567

COLLEGE SINGLE TREPPLES.

four hundred and twenty.

IN this Peal, the sixth and seventh are the half and quarter Hunts, and do both work the same, as in two hundred and ten, only to carry on the Peal. To this Number you must observe, that when the half Hunt is in the Middle, and the quarter Hunt is in second and third's Places, that then the Bob must be omitted, which will bring them both home together at every fifteen Leads, where they have then both worked their Revolution, which being repeated twice completes the Peal.

These are only the backstroke Leadings of the Treble.

1573524		1274653
*1645237		*1632547
1274365		1573462
*1352647		*1425637
*1673425		*1674352
1457263		1327564
*1234675		*1543672
*1652743		*1625734
1735462		1742365
*1427653		*1357624
*1634572		*1643275
1523764		1254763
1742653		1735624
*1637524		*1647253
1543267		1232567

156 CAMPANALOGIA: Or,

The Cross against each treble Leading, denotes which are the Bobs, and the first and thirteenth Treble Lead in each fifteen Leads, when the seventh is before, are the Places where the Bobs are omitted, being four only.

COLLEGE SINGLE TRIPPLES, *six hundred and thirty.*

THIS Peal is the two hundred and ten, three Times repeated, which is done by omitting only the first Bob in each Course, or treble Leadings.

1573624	1574632	1572643
*1645237	1625347	1635427
1274365	1372465	1473265
*1352647	1453627	1254637
*1673425	1674235	1672345
1457263	1257364	1357462
*1234675	1342675	1423675
*1652743	1653724	1654732
1735462	1745263	1725364
*1427653	1237654	1347652
*1634572	1642573	1623574
1523764	1534762	1542763
*1745632	1725643	1735624
*1627354	1637452	1647253
1342567	1423567	1234567

The Hunts or Bells that are at home at the End of each fifteen Leads, are the fifth, sixth, and seventh.

COLLEGE SINGLE TRIPPLES,
*one thousand two hundred and
 sixty.*

THIS Peal is the four hundred and twenty,
 three Times repeated, which is done by
 not omitting the Bob where the fifth and
 seventh are together before, which is at the
 first Lead in each four hundred and twenty.

*1572643	1473652
*1635427	*1624537
1473265	1572364
*1254637	*1345627
*1672345	*1673254
1357462	1247563
*1423675	*1532674
*1654732	*1645723
1725364	1734265
*1347652	*1257643
*1623574	*1632475
1542763	1453762
1734652	1725643
*1627543	*1637452
1532467	1423567

COLLEGE SINGLE TRIPPLES,
*five thousand and forty.**Hunts 1 6 7 5.*

THIS Number is the whole on seven Bells, which are produced by the following Method, *viz.*

Every Time the half Hunt is in second and third's Places, a Bob; and every Time she is in the Middle, a Bob, except when the quarter Hunt is in second and third's Places, without the half quarter Hunt, then the Bob must be omitted, which produces the preceding one thousand two hundred and sixty; but to go on with the Peal three Leads, before it comes round, when the half Hunt is in the Middle, and the quarter is in second and third's Places, call a Bob, which will bring this Change 1435267 at the End of the first Quarter, from whence you must pursue the foregoing Method for the next quarter Peal, observing, that at the same Distance from the two thousand five hundred and twenty, when the half Hunt is in the Middle, and the quarter hunt is in second and third's Places, instead of making a Bob, to make a double Change at the Hand Change, thus:

The first-Double 3r67245
 1376245

The last Double 5167342
 1376542

The: ART of RINGING. 159

At each Double the Bells in fifth, sixth, and seventh Places lying still, which completes the whole.

The two half Peals are exactly the same, the second being the half quarter Hunt in the last Half, instead of the fifth.

*1572643	*1574632	*1573624
*1635427	*1625347	*1645237
1473265	1372465	1274865
*1254637	*1453627	*1352647
*1672345	*1674325	*1673425
1357462	1257364	1457263
*1423675	*1342675	*1234675
*1654732	*1653724	*1652743
1725364	1745263	1735462
*1347652	*1237654	*1427653
*1623574	*1642573	*1634572
1542763	1534762	1523764
1734652	1723654	1742653
*1627543	*1647532	*1637524
1532467	1524367	1543267
1473652	1372654	1274653
*1624537	*1643527	*1632547
1572364	1574263	1573462
*1345627	*1235647	*1425637
*1673254	1672453	*1674352
1247563	1437562	1327564
*1532674	*1524673	*1543627
*1645723	*1635724	*1625734
1734265	1723465	1742365
*1257643	*1457632	*1357624
*1632475	*1624375	*1643275
1453762	1352764	1254763
1725643	1745632	*1732645
*1637452	*1627354	*1657423
1423567	1342567	1435267

160 CAMPANALOGIA: Or,

In the next Quarter the Bells are thus ;
 the half quarter Hunt being in a different
 Position, notwithstanding it is called by the
 same Method.

1273645	1374625	1472635
*1652437	*1653247	*1654327
1475362	1275463	1375264
*1324657	*1432657	*1243657
*1673542	*1674523	*1672534
1527463	1537264	1547362
*1435672	*1245673	*1325674
*1624753	*1632754	*1643752
1732564	1743562	1724563
*1547623	*1527634	*1537642
*1635274	*1645372	*1625473
1243765	1324765	1432765
*1752634	*1753642	*1754623
*1647325	1627435	1637245
1354267	1452367	1253467
1275634	*1375642	1475623
*1642357	*1623457	*1634257
1374562	1472563	1273564
*1523647	*1534627	*1542637
*1675432	*1675243	*1675324
1427365	1237465	1347265
*1354672	*1452673	*1253674
*1623745	*1634725	*1642735
1752463	1753264	1754362
*1437625	*1247635	*1327645
*1654273	*1652374	1653472
1235764	1345762	1425763
1743625	1724635	1732654
*1657234	*1657342	*1647523
1245367	1325467	1534267

Double

UNION:

UNION TRIPPLES.

The first Treble Lead.

IN this Peal, when the Treble is going to lead, the Bell in fifth's Place lies still, and the two Bells behind make a Dodge; in every Thing else it is *Grandfire Tripples*.

2135476	
2314567	1724365
3241657	1273456
3426175	1426537
4362715	1245673
4637251	163754
6473521	1267345
6745312	1325476
7654132	1234567
7561423	
5716243	
5172634	
152764	
1256734	

The Bob is exactly the same as *Grandfire Tripples*.

5172634
Bob
1576243
1752634

One hundred and twelve.

To ring this Peal, you must call one Bob the first Lead, and miss the next by Turns.

One hundred and twenty six.

In this Peal, you must call Bobs the two first Leads, and miss the third. Goes in three Courses.

Two hundred and ten.

In this Peal call Bob every Time, the sixth and seventh dodge together behind three Courses.

Two hundred and eighty.

Call two before by the seventh, and one when the sixth and seventh dodge together behind two Courses.

Three hundred and fifty.

Call one before, and three with sixth and seventh behind, then two before.

Or you may call three before, and three behind, with sixth and seventh each of the Ways it is only one Course.

Four hundred and sixty two.

Call into the Hunt and a Double twice, and one before goes in three Courses.

Four hundred and forty eight.

Call twice into the Hunt, and a Double twice, and one before, goes in two Courses.

Five hundred and sixty.

Call three before, one behind, then one before and one behind, goes in two Courses.

Four hundred and twenty.

Hunts 1 6 7 5.

THE Method to call this Peal is, every Time the half Hunt is in the Middle Bob, and every Time the quarter Hunt dodges behind, when the half Hunt is before Bob, which carries the Peal in two Courses.

* 1752634	* 1734652
1763452	1765234
1745263	1723465
* 1327645	* 1547623
1563427	* 1365247
1542763	1324765
* 1375642	* 1573624
* 1263475	* 1465273
1247563	1427365
* 1352647	* 1534627
1364752	1562734
1375264	1573462
* 1432675	* 1245673
1467523	1267345
1452367	1234567

One thousand two hundred and sixty.

This must be called thus; every Time the half Hunt is in the Middle Bob; and every Time the quarter Hunt is behind, when the half Hunt is before, except the half quarter Hunt is with her, then the Bob must be omitted, which carries the Peal in three Courses.

And at the End of this Peal, by calling a Bob when the sixth and seventh are together behind, the backstroke Change will be 1532467, and then by repeating the same Method, still observing the same Bells for the Hunts, it will carry the Peal two thousand five hundred and twenty, where, at the Hand Change of the Treble, there must be a Double Change made thus :

3145267
Double 1st
1452763
4576321

Then by calling the next half Peal in the same Manner, the last Double will be

3125467
Double
1325476
234567

Which completes the five thousand and forty.

CHANGES

O N

EIGHT BELLS.

THE Changes on this Number of Bells do consist of Quadruples and Tripples alternately; the Hand Change being generally the Quadruple, and the Backstroke the Tripple, which Tripple Change may be made many Ways.

**BOB MAJOR, or PLAIN
GRANDSIRE BOB on
Eight.**

IN this Peal the Bells have all a direct hunting Course, the same as the Treble, until she leads, and then the Bell in second's Place

166 CAMPANALOGIA: Or,

Place lies still, whilst the other fix make a single Dodge.

21456587	15572846
21463857	15738264
42618375	17583624
46281735	17856342
64827153	18765432
68472513	18674523
86745231	16847253
87654321	16482735
78563412	14628375
75836142	14263857
57381624	12436587
53718264	12345678
35172846	The
31527486	Course.
13254768	
13527486	

When a Bob is made instead of the Bell in second's Place lying still, the Bell in fourth's Place lies still thus.

13254768
12357486

BOB MAJORS.

160.	240.
13256847	13254768
13527486	Bob
15372846	12357486
Bob	13275846
13578264	13728564
15387624	17382654
Bob	17836245
13586742	18763425
15368472	18674352
Bob	16847532
13564827	16485723
15346287	14658273
15432678	14562837
12746563	15426387
Bob	Bob
Bob	14523678

BOB MAJORS.

336.	17382654
	17836245
13254768	18763425
Bob	18674352
12357486	16847532
13275846	16485723
13728564	14658273
17382654	14562837
17836245	15426387
18763425	Bob
18674352	24523678
16847532	15432768
16485723	15747286
14658273	13574826
14562837	Bob
15426387	15378462
15243678	13587642
Three	Bob
Courses	15386724
	13568274
	Bob
384.	15362847
13254768	13526487
Bob	13254678
12357486	Two
	Courses
13275846	
13728564	

B O B M A J O R S I

448.

	14567382	14365827
	15748632	13542678
	17852436	*13527486
*12357486	18273564	15738264
13728564	12386745	17856342
17836245	*12364857	18674523
18674352	*12345678	16482735
16485723		14263857
14562837		*14235678
15243678		12547386
*15237486	560.	19728463
12758364		17856234
17826543	*12357486	18673542
18674235	13728564	16384725
16483752	17836245	13462857
*16435827	18674352	*13425678
14562378	16485723	14537286
*14527683	14562837	15748362
15748236	15243678	17856243
17853462	*15237486	18672534
18376524	12758364	16283745
13682745	17826543	12364857
*13624857	18674235	*12345678
16435278	16483752	

BOB MAJORS.

480. | 672.

13527486	*12357486
*13578264	13728564
*13586742	17836245
*13564827	18674352
15432678	16485723
14257386	14562837
*14278563	*14523678
*14286735	*14537286
*14263857	15748362
14235678	17856423

Three
Courses.

18672534
16283745
12364857
13425678
1437226

Three
Courses.

14

2.2
~~332~~
 48
 672

672

BOB MAJORS, *seven hundred and eighty four.*

*12357486	16385742
13728564	13564827
17836245	15432678
18674352	*15427386
16485723	14758263
14562837	17846532
15243678	18673425
*15237486	16382754
12758364	13265847
17826543	12534678
18674235	*12547386
16483752	15728463
14365827	17856234
13542678	18673542
*13527486	16384725
15738264	13462875
17856342	*13425678
18674523	14537286
16482735	15748362
14263875	17856423
*14235678	18672534
*14257386	16283745
12748563	12364857
17826435	*12345678
18673254	

BOB MAJORS, *eight hundred and ninety six.*

13527486	*15427386
15738264	14758263
17856342	17846532
18674523	18673425
16482735	16382754
14263857	13265847
*14235678	*13254678
*14257386	12437586
12748563	14728365
17826435	17846253
18673254	18675432
16385742	16583724
13564827	15362847
*13542678	*15324678
15237486	*15347286
12758364	13758462
17826543	17836524
18674235	18672345
16483752	16284753
14365827	12465837
*14352678	14523678
13247586	*14537286
12738465	15748362
17826354	17856423
18675243	18672534
16584732	16283745
15463827	12364857
*15432678	12345678

BOB MAJOR, *one thousand and eight.*

• 12357486
13728564
17836245
18674352
16485723
14562837
• 14523678
15347286
13758462
17836524
18672345
16284753
12465837
• 12453678
14327586
13748265
17836452
16875342
16582743
15264837
• 15243678

Three
Courses.

BOB MAJORS, *one thousand one hundred and twenty.*

*12357486	14263857
13728564	*14235678
17836245	*14257386
18674352	12748563
16485723	17826435
14562837	18673254
15243678	16385742
*15237486	13564827
12758364	15432678
17826543	*15427386
18674235	14758263
16483752	17846532
14365827	18673425
13542678	16382754
*13527486	13265847
15738264	*13254678
17856342	Two.
18674523	Courses
16482735	

One thousand two hundred and thirty-two.

In this Peal the sixth, seventh, and eighth, are at home eleven Times, and the Changes are thus :

14523678	13254678
12453678	15324678
15243678	12534678
13542678	13425678
14235678	13425678
15432678	

The ART of RINGING. 175

BOB MAJOR, *one thousand six hundred and eighty.*

$\begin{array}{r} 1680 \\ \hline 5000 \end{array}$	13527486 15738264 17856342 18674523 16482735 *16423857 14365278 *14357682 13748526 17832465 18276543 12685743 *12654837 16423578 *16437285 14768352 17845623 18572436 15283764	*15236847 12654378 *12647583 16728435 17863254 18375642 13584726 *13542867 15236478 *15267384 12758643 17824536 18743265 14386752 *14365827 13542678 Three Courses
--	--	---

And at the End of the one thousand six hundred and eighty, instead of coming round, by calling a Bob, it will go in three Courses, five thousand and forty complete.

TREBLE BOB on Eight, commonly
called UNION BOB.

The LEAD.

21436587	72584613
12435678	72856431
21346587	27584613
23164857	25748163
32618475	52471836
32164857	52748163
23618475	25471836
26381745	24517386
62837154	42153768
62381745	42517386
26837154	24153768
28673514	21435678
82765341	12346587
82673514	21345678
28765341	12436587
27856431	14263857

This Lead being repeated seven Times, goes two hundred and twenty-four Changes, which are the Number in the natural Course of this Peal.

To call four hundred and eighty is to miss one Lead, and to call two Bobs.

14263857
*16423857
*12643857

Five Courses.

To call six hundred and forty, is one before, one dodging the wrong Way behind, and two the right Way.

14263857
14682735
18674523
*17864523
16758342
15637284
*13567284
16325478
*12635478
*13265478

Two
Courses.

To call eight hundred and sixty four is one before, one behind the wrong Way, and one the right Way.

Three Courses.

To call seven hundred and sixty eight is one before, and one the right Way behind.

Three Courses.

To call one thousand one hundred and twenty is one before.

Five Courses.

To call one thousand four hundred and forty is one before and two behind the right Way.

Five Courses.

To call five thousand one hundred and twenty is four before two, the wrong Way behind, and two the right Way.

Five Courses.

BOB MAJOR DOUBLE.

IN this Peal the Bells hunt until the Treble lies still, either before or behind and at those Times the Bell next her lies still, and the other six make a single Dodge, &c.

And at a Bob, when Treble is before, the Bell in fourth's Place lies still, and the last four make a single Dodge, &c.

21436587
24163857
42618375
46281735
64827153
68472513
86745231
68472531
86745213
87654123
78561432
75816342
57183624
51738264
15372846
15738264
18674523
14263857
13527486
17856342
16482735
12345678

The Course.

The Bobs are made in the same Manner as plain Bob Major, and all the Peals in that will be the same in this where the 7 & 8 comes Home at every seven Leads, observing always at every Bob to have the 7 & 8 in the same Places.

COLLEGE SINGLE *on Eight.*

IN this Peal the two Bells that the Treble leaves in seventh and eighth Places, those two Bells dodge, and continue dodging, till it comes up again and parts them; every Bell that meets the Treble under the sixth Place goes no higher, but lies a Pull in sixth Place, and then moves down to lead; except at a Bob, and then the Bell in sixth Place, when the Bob is called, moves up, and the Bell in seventh moves down; by the aforesaid Method, without a Bob, it will go one hundred and twelve, two hundred and twenty four; but by making of Bobs it will go two hundred and twenty four, three hundred and thirty six, or six hundred and seventy two.

The COURSE.

12345678			
21436587	35867412	14328765	15237864
24163578	38576142	13482756	16847253
42615387	83751624	15762438	18674235
46251378	87315642	17526483	13254687
64523187	78136524	18436572	12345678
65432817	71863542	14863527	
56348271	17685324	12573846	
53684721	16758342		

To ring two hundred and twenty-four of this Peal, every Time the Half-hunt is in second's Place going up, or in third's Place coming down, and the whole Hunt leads, a Bob must then be made, according to the foregoing Directions.

To ring three hundred and thirty-six of this Peal, every Time the Half-hunt is in third's Place coming down, and the whole Hunt leads, is warning for a Bob, to be made as aforesaid.

To ring six hundred and seventy-two, you must make use of a Quarter-hunt; and every Time the Half-hunt is in the second's Place going up, or in third's Place coming down, and the Quarter-hunt dodging behind, is warning for Bob to be made; the second in either of these Peals may be made Half-hunt, and fourth the Quarter-hunt, or others at Pleasure.

To

To ring one thousand six hundred and eighty.

Every time the half Hunt is under sixth's Place, a Bob, except the quarter Hunt is with her; without the half-quarter Hunt then at those Places the Bobs must be omitted.

And to carry the Peal five thousand and forty, the first Bob in each one thousand six hundred and eighty, must be omitted, at which Places the 5 6 7 and 8 are undisturbed.

COLLEGE EXERCISE.

THE Method to be observed in ringing this Peal is the same as Treble Bob, except when the Treble is before or behind.

When the Treble is making it's first Cut before, the Bells in third and fourth's Places lie still.

When the Treble leads it's whole Pull, the Bell in second's Place lies still, and the Bells in third and fourth's Places make a single Dodge.

When the Treble makes it's last Cut before, the Bell which made fourth's Place must make third's, and move up; and the Bell which made third's Place must make fourth's, and move down.

During

The ART of RINGING. 183

During the Time the Treble is before, the four Bells behind make a treble Dodge.

When the Treble is making it's first Cut behind, the Bells in fifth and sixth's Places lie still.

When the Treble lies it's whole Pull behind, the Bell in seventh's Place lies still, and the Bells in fifth and sixth's Places make a single Dodge.

When the Treble makes it's last Cut behind, the Bell which made sixth's Place must make fifth's Place, and move up; and the Bell which made fifth's Place must make sixth's, and move down.

While the Treble is behind, the four Bells before make a treble Dodge; the Bell which came from behind takes the Hunt.

N. B. The Hunt changes before when the Treble is behind, except at a Bob; then the Bell which makes fourth's Place takes the Hunt.

CAMPANALOGIA: Or,

One Lead and a Bob, COLLEGE EXERCISE.

12345678	
21436587	82765314
12435678	87256134
21346587	78521643
23164857	78256134
32618475	87521643
32164857	85712463
23618475	58174236
26381745	58712463
62837154	85174236
62381745	81547326
26837154	18453762
28673514	81457326
82765341	18543762
28675314	18457326
82763541	18543762
28675341	Bob
82763514	18457326
28673541	

THE ingenious Performer having rang the foregoing Peals, will need no other Direction for ringing the following intricate Peal, than to carefully peruse it as pricked down, and he will be the best Judge which Method to take in order to ring it.

CAMBRIDGE SURPRIZE.

12345678	
21436587	54786213
12463857	45876123
21648375	54781632
26143857	57486123
62418375	75841632
62443857	57814362
26418375	75183426
62481735	75814362
26847153	57183426
28641735	51784362
82467153	15873426
28647513	51837246
82465731	15382764
84256713	15387246
48527631	Bob
84256731	15382764
48527613	13587246
45872631	

There are a great Number of several Peals to be pricked upon eight Bells; but our Design being not to stuff this Book with what is altogether unpractised, we shall therefore forbear to set down any farther Examples of what is not in the least Use at this Time, nor ever was in Practice, which will only waste both Paper and Time, and refer to Changes on nine Bells, for the Benefit and Advantage of those Persons, as have an Opportunity of practising the same.

O F
Q U A D R U P L E S,

O R
CHANGES on NINE BELLS;
Commonly called CATORS.

THE ordinary Course of ringing this Peal of *Quadruples* or *Cators*, is the same as that of *Grandfire Tripples*, there being, besides the Treble, one Bell that is plain or second Hunt, and hath the same Course in this Peal as in that: Every Bell in this Peal hath a hunting Course, till such Time as the Treble leads, and then the Bell in third's Place lies still, and the other six make a single Dodge. By this Method it will go one hundred and twenty six, and by making of Bobs it will go one hundred eighty one thousand four hundred and forty, and then by making a Tripple Change it will double the Peal to three hundred sixty two thousand eight hundred and eighty, being the complete Number of Changes on nine Bells.

This Peal of *Cators* is divided into several Parts or Peals, in which the chief Thing to be observed is the Method of calling the Bobs, they being in this Peal, as well as *Tripples*, divided into Parts or Courses, as the Length of each Peal will admit; but that we may proceed gradually in this, as
 all

The ART of RINGING. 187

all other Peals, we shall begin first with the Course of this Peal, and then proceed to give the necessary Directions for others.

The Course of GRANDSIRE CATORS.

123456789			
213547698	152739486	791826543	869413257
231456789	125374968	719285634	896142375
324165879	215739486	172958364	981624735
342618597	251374968	127593846	918267453
436281957	523147698	217958364	192876543
463829175	532416789	271593846	129785634
648392715	354261879	725139486	182694735
684937251	345628197	752314968	128967453
869473521	436582917	573241698	162483957
896745312	463859271	537426189	126849375
978654132	648395721	354762819	142365879
978561423	684937512	345678291	124638597
795816243	869473152	436587921	
759182634	896741325	463859712	132547698
571928364	987614235	648395172	123456789
517293846	978162453	684931527	

The next thing is, the Manner of making a Bod, which is the same in this Peal as in Tripples, *viz.* a double Dodge made upon the six hindmost Bells, there being two Bells that lie each of them a Pull in third's Place.

The first Part into which this Peal is divided is three hundred and twenty-four; to ring which, there are three Bobs to be made, that is, one every sixth leading of the Hunt,

268 CAMPANALOGIA: Or,

so that the last Bob brings the Bells round ; or else first call the third into the plain Course, then let it hunt six Leadings ; then call the fourth into the plain Course, and let it hunt six Leadings ; the next, being the third Bob, the second is called into the plain Course, which brings the Bells round, as in the following Peal.

Three hundred and twenty-four
GRANDSIRE CATORS.

<u>123456789</u>			
152739486	Bob	138967254	194876532
125374968	143527698	163284957	149785623
172958364	134256789	136829475	184693725
127593846	158749286	Bob	148967352
192876543	135472968	124537698	164382957
129785634	173958462	142356789	146839275
182694735	137594826	154729386	Bob
128967453	193876524	145273968	132547698
162483957	139785642	174958263	123456789
126849375	183692745	147592836	

This Peal of three hundred and twenty-four may likewise be rung, by making of a Half-hunt, or Observation Bell therein, and then call for the first Bob when the Half-hunt is before the second Bob ; call the Half-hunt into the plain Course at the Distance of six Leadings ; the third and last Bob is at the same Distance from the second as the second was from the first ; and this brings the

the Bells into their proper Places again, and is to the same Effect as the foregoing Method.

The next Part of this Peal is five hundred and forty, in which there are six Bobs. The Observation Bell, or Half-hunt in the Peal prefixed, is the fourth; which being called into the Course, it must be called out the fifth Leading of the whole Hunt; the third Bob must be five Leadings Distance from the second, by which the Half-hunt is called into the plain Course again; and this Method, with six Bobs, goes five hundred and forty Changes; but any Bell may be made Half-hunt, by observing to call it first into the Hunt, then out again at five Dealings, according to the foregoing Directions.

CATORS, *three hundred and seventy-eight.*

123456789		Bob		Bob
Bob				Bob
157928364	152938476	133928476	159738264	
175293846	125394867	153294867	195372846	
197856243	192857364	Bob	179856342	
179582634	129583746	198756342	197583624	
187694523	182796543	189573624	Bob	
178965423	128975634	18694523	186492735	
Bob	172684935	187965432	168947253	
164372859	127869453	Bob	Bob	
146738295	162473859	164283759	142365879	
Bob	126748395	146827395	124638597	
132549687	143265798	Bob	132547698	
123546978	124627589	123549678	123456789	
		122456087	Four	

190 CAMPANALOGIA: Or,

Four hundred and fifty.

One in fourth's Place, one in sixth Place, goes five Courses.

Five hundred and forty-nine.

Into the Hunt, and a Double goes in five Courses.

CATORS, *five hundred and forty.*

Hunts 1 4.

123456789			
152739486	128967453	Bob	154629387
125374968	Bob	134527698	145263978
172958364	164328579	143256789	Bob
127593846	146235897	Bob	132547698
192876543	Bob	162348579	123456789
129785634	152649387	126435897	
182694735	125463978	Bob	

Five hundred and ninety-four.

In the Hunt, and a Double twice, and one behind, goes three Courses.

Six hundred and forty-eight.

One in seventh's Place, one in sixth's Place, goes three Courses.

Seven

Seven hundred and twenty.

One in fourth's Place, one in seventh's Place, one in fifth's Place, and one in sixth's Place, goes four Courses.

Eight hundred and ten.

Call two Bobs and miss one, &c.

The next Part is eight hundred and eighty two, in which there are seven Bobs, and it is called according to the same Method as three hundred and fifty Tripples; viz. every Time the whole Hunt comes to take lead of the Half-hunt, call Bob; and this Method, with seven Bobs, goes eight hundred and eighty-two; as follows.

Eight hundred and eighty-two

C A T O R S.

Hunts 1 3.

Bob	Bob	Bob	Bob
135729486	139876542	136482957	132547698
153274968	193785624	163849275	123456789
Bob	Bob	Bob	
137958264	138694725	134265879	
173592846	183967452	143628597	

Nine hundred and eighteen.

One in fourth's Place, three in sixth's Place, goes three Courses.

Nine

97-



1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

Nine hundred and ninety.

One in fourth's Place, two in sixth's Place, goes five Courses.

The next Part of this Peal is one thousand and eight, which is divided into seven Courses, of three Bobs in a Course; to ring which, first call the Half-hunt out of the plain Course, at the fourth Leadings of the whole Hunt; the second Bob is at the Distance of two Leadings from the first, when the Half-hunt will be dodging behind. The third and last Bob of this Course, is at the Distance of two Leadings from the second; by which the Half-hunt is called into the plain Course again, and finishes the first Course of the Peal; the same Method must be observed to the End of the same.

One thousand and eight. CATORS.

Hunts 1 2.

Bob	192854763	127395864	Bob
186423957	129587436	Bob	182476935
168249375	Bob	142693857	128749653
Bob	162385479	124968375	Bob
135769428	126834597	Bob	132547698
153674982	Bob	1053769384	133456789
* Bob	172938546	125673948	

Note,

*Note, The Bob where this Mark * is placed, is the last Bob of the first Course in this, and the following Peals; and such Bobs as follow after such Mark are only the last Bobs of the remaining Courses, contained in the foregoing and following Peals.*

This Peal of one thousand two hundred and sixty, is likewise divided into seven Courses, of three Bobs in a Course; the Method whereof differs from that of one thousand and eight only, that the half Hunt is not called out of the plain Course, until it hath hunted six Leadings: The other Bobs are by the same Method, and Distance from each other in this Peal as in that; as by the following Peal will plainly appear.

One thousand three hundred and eighty-six CATORS.

Hunts I 2.

Bob	162495837	127635948	Bob
143527698	126948573	Bob	192758346
134256789	Bob	152684379	129573864
Bob	182934765	125863497	Bob
179836524	128397456	142876953	132547698
197385642	Bob	124789635	123456789
Bob	172369584	124789635	

The next Part of this Peal is one thousand three hundred and eighty-six, being near the two hundred and sixtieth Part of the Whole, in which there are seven Courses, of two Bobs in a Course; to ring which, the half Hunt, which in the following Peal is the second, must be called out of the Hunt, at six Leadings. The next Bob is at the Distance of five Leadings, by which the half Hunt is called into the plain Course again, which finishes the first Course; the same Method must be observed throughout the Peal.

One thousand three hundred and fifty.

The following Changes are the Back-stroke Leads at every Bob in this Peal.

175293846
146738295
136427589
126354978
156293847
196562734
178946352
134728596
124357689
143257689
165493827
132647589
195384726
126947385
134256897
185374926
126849375
134256789
142356789
123456789

One thousand three hundred and eighty-six C A T O R S.

Hunts I 2.

Bob	182364957	127985643	* Bob
143527698	128639475	* Bob	132547698
134256789	* Bob	152978463	123456789
* Bob	192683745	125794836	
162435879	129867354	* Bob	
126348597	* Bob	142759386	
* Bob	172896534	124573968	

One thousand four hundred and forty.

One in fourth's Place, one in seventh's Place, one in fifth's Place, and two in sixth's Place, goes five Courses.

One thousand nine hundred and eighty.

One in fourth's Place, one in seventh's Place, one in fifth's Place, and three in sixth's Place, goes five Courses.

The next Part being two thousand seven hundred and seventy-two, and about the one hundred and thirtieth Part of the whole, is divided into seven Courses, of four Bobs in a Course; the Method to be observed in calling this Peal is this; the first Bob, the half Hunt must dodge in sixth and seventh's Places; the second Bob is at the Distance of three Leadings from the first, when the half Hunt will dodge in fourth and fifth's Places with the Bell that was called out of the plain Course; the third Bob is at the Distance of seven Leadings, when the half Hunt is called into the plain Course; the fourth Bob is at the Distance of five Leadings, the half Hunt being then called out of the plain Course; and this finishes the first Part or Course of this Peal; the same Method goes the remaining Part of the same.

*Two thousand seven hundred and
seventy-two C A T O R S.*

Hunts I 4.

Bob	148629357	173249586	Bob
135729486	* Bob	137425968	197348265
153274968	156842937	Bob	179432856
Bob	165849273	125643879	Bob
186452937	Bob	152468397	132547698
168549273	189746352	Bob	123456789
Bob	198473625	168945723	
184263975	Bob	186497532	

This Peal of five thousand six hundred and seventy, being the sixty-fourth Part of the Whole, is divided into seven Courses, and seven Bobs in a Course; the first Bob the half Hunt dodges in sixth and seventh's Places; the second and third are both of them at the Distance of seven Leadings, at both which the half Hunt dodges behind; the fourth is at seven Leadings from the third, when the half Hunt dodges as at the first Bob; the fifth is seven Leadings further, when it dodges at fourth and fifth's Places; the sixth it is called into the plain Course; the seventh and last Bob is at the Distance of three Leadings from the sixth, the half Hunt being called out of the plain Course,
and

The ART of RINGING. 199

and this finishes the first Course; the same must be observed again to the End of the Peal as follows :

Five thousand six hundred and seventy C A T O R S.

Hunts 1 4.

Bob	138694725	197485623	Bob
135729486	183967452	Bob	125749386
153274968	Bob	163245879	152473968
Bob	136482957	136428597	Bob
137958264	163849275	Bob	198643725
173592846	Bob	157948263	189467352
Bob	134265879	175492836	Bob
139876542	143628597	Bob	132547698
193785624	* Bob	186342957	123456789
Bob	179846532	168439275	

The next Part into which this Peal is divided contains one thousand one hundred and thirty-four Changes, and is the two and thirtieth Part of the Whole, in which there are ninety-eight Bobs; these Bobs are divided into seven Parts or Courses, containing fourteen Bobs in a Course; and the Method of calling them is thus; the two first Bobs, the half Hunt must dodge behind; the third Bob, in sixth and seventh Places; the fourth Bob, in fourth and fifth's Places; the fifth Bob the half Hunt is called into the plain

plain Course, all which Bobs are at the Distance of seven Leadings each from the other; then the half Hunt must hunt six Leadings before it is called out of the plain Course; the next being the seventh Bob the half Hunt is before, at the Distance of six Leadings from the sixth Bob; the eighth, ninth, tenth, eleventh, twelfth, and thirteenth Bobs are all of them at the Distance of seven Leadings each, the half Hunt being before at all of them, as at the seventh Bob; the fourteenth, and last Bob of this Course, is a Double Bob, being the very next Leading to the thirteenth, at which Bob the half Hunt must dodge in sixth and seventh's Places, and this finishes the first Course of this Peal; and the same Method must be observed in every Course to the End of the same.

Eleven thousand three hundred and forty CATORS.

Hunts 1 6.

Bob	Bob	Bob	Bob
135729486	183462957	167953284	178394625
153274968	138649275	176592348	187936452
Bob	Bob	Bob	Bob
137958264	168432957	169378542	159873642
173592846	186349275	196735824	195786324
Bob	Bob	Bob	Bob
139876542	164285379	163894725	127958634
193785624	146823597	136897452	172596843
Bob	Bob	Bob	Bob
138694725	162547893	184235679	145729683
183967452	126458739	148326597	154276938
Bob	Bob	Bob	Bob
136482957	165729438	193482657	132547698
163849275	156274983	139846275	123456789

This Peal of *Cators* is likewise divided into several other Parts, as the one sixteenth Part, containing twenty two thousand six hundred and eighty Changes; also the one eighth Part, containing forty five thousand three hundred and sixty Changes; the one fourth Part containing ninety thousand seven hundred and twenty Changes; and the one half, containing one hundred and eighty one thousand four hundred and forty, the whole being three hundred and sixty two thousand

eight hundred and eighty; any of which Peals being impossible ever to be rung, we therefore thought it needless to trouble the Reader with what was impossible for him ever to ring: For we may very reasonably suppose that the last Peal of eleven thousand three hundred and forty which to ring will require ten Hours Time, is more than any Person will ever adventure upon, it being impossible to ring a Bell so long; so that we need not doubt of being excused in omitting that only which would have been of no Use.

In Changes on ten Bells, you are only to observe the Methods on Eight, for every Peal or Method of calling Bobs in the one, will serve likewise for the other, always observing to keep the great Bells at each Bob in the same Order, *per* Example. In the Method of plain Bob, on eight, you call by the Tenor, one the wrong Way, the Peal will go three Courses three hundred and thirty-six Changes. So likewise on ten Bells, if you call the same, it will come round in three Courses five hundred and forty, and there will be no other difference than that on Ten, the Peal will contain more Changes, each treble Lead having more Changes therein, and each Course more treble Leads therein, &c.

Having now gone through, and laid down plain and easy Rules for Ringing, several most excellent and musical Peals for Mirth and Recreation, it may not be amiss if

if; for the Instruction of those that are not acquainted therewith, we may somewhat in brief of a Funeral or Dead Peal. It being customary not only in this City of *London*, upon the Death of any Person that is a Member of any of the *Honourable Societies* of Ringers therein, but likewise in most Countries and Towns in *England*; not only upon the Death of a Ringer, but likewise of any young man or woman, at the Funeral of every such Person to ring a Peal; which Peal ought to be different from those for Mirth, and Recreation, as the Music at the Funeral of any Master of Music or the Ceremony at the Funeral of any Person belonging to military Discipline, and may be performed two different Ways; the one is by ringing the Bells round at a set Pull, thereby keeping them up so as to delay their striking, that there may be the Distance of three Notes at least, according to the true Compass of ringing upon other Occasions, between Bell and Bell; and having gone round one whole Pull every Bell, except the Tenor, to set and stand; whilst the Tenor rings one Pull in the same Compass as before; and this is to be done whilst the Person deceased is bringing to the Ground; and after he is interred to ring a short Peal of round Ringing, or Changes in true Time and Compass, and so conclude. The other Way is called buffeting the Bells, that is, bytying Pieces of Leather, old Hat, or any other

204 CAMPANALOGIA: Or,

other Thing that is pretty thick, round the Ball of the Clapper of each Bell, and then by ringing them as before is shewn; they make a most doleful and mournful Sound, concluding with a short Peal after the Funeral is over, the Clappers being clear as at other Times; which Way of buffeting is most practised in the city of *London*.

F I N I S.

