

HORSE BREEDING
RECOLLECTIONS.



HORSE BREEDING RECOLLECTIONS.

BY

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INTRODUCTORY REMARKS.

IN the beginning of last year I published a "manual for the breeder of horses," the second edition of which has been issued within ten months of its first appearance. From that book the following chapters are taken.

Although there is in England no want of similar publications, I have, urged by my English friends, ventured to translate that part of my book which refers to the thoroughbred specially; assuming that my personal experiences as a breeder of such might prove acceptable to some of my English colleagues, and form a not uninteresting addition to what has been written and printed on the subject.

England, no doubt, is the cradle of the modern thoroughbred horse; but, since the breed has spread over and thrives in all parts of the habitable globe, where its value as the quintessence of the equine race has been understood and realised, I am of opinion, that its cosmopolitan character should be acknowledged, and act as an inducement to experienced persons to comment on its production and progress, wherever it has found a home.

NOTES

ON

BREEDING RACEHORSES.

CHAPTER I.

GENERAL OBSERVATIONS.

THE principal requisite in a good racehorse is soundness, again soundness, and nothing but soundness ; and the object of the thoroughbred is, to imbue the limbs, the constitution and the nerves of the half-bred horse with that essential quality, and thereby enhance its capabilities.

The thoroughbred can, however, fulfil its mission only provided the yearly produce be continually subjected to severe trials in public. The only appropriate test, proved by the experience of two centuries, is the race-course, although its adversaries oppose it as too one-sided, and propose in its stead others of more or less impracticability. The last struggle for victory, in which culminates the exertion of the race, results from the co-operation of the intellectual, the physical, and the mechanical qualities of the horse, the development of which combined power is higher and more reliable than any that can be obtained in the same animal by other means. The combination of those three qualities forms the value of the horse destined for fast work : the

mechanical, in respect to the outward shape and construction ; the physical, as regards the soundness and normal development of the digestive organs and motive power ; the intellectual, or the will and the energy to put the other two into motion and persevere to the utmost. The attained speed is not the aim, but only the gauge, of the performance.

The grand ideal principal which places this test so incomparably higher than any other, based upon the individual opinion of one or more judges, is the absolute and blind justice, personified in the inflexible winning post, which alone decides on the racecourse ; and the irrefutable certainty, that neither fashion nor fancy, neither favour nor hatred, neither personal prejudice nor time-serving—frequently observable in the awards at horse shows—have biassed the decision of hotly-contested struggles, as recorded in the Racing Calendar for the space of one hundred and seventy years. This it is that gives to the English thoroughbred horse a value for breeding purposes, unequalled and looked for in vain in any other species of animal creation.

I apprehend great danger from the endeavour to improve horse-racing—like any other human institution, not without its shortcomings—by corrective measures, which might interfere with that principle of blind justice ; its fundamental laws would thereby become undermined, and the building, which it took centuries to erect, fall to ruins.

Nothing but the framing of the racing propositions ought to serve as indicator of what is required of the thoroughbred ; every state in need of an efficient cavalry, should be careful how to place authority for that purpose in experienced hands and see it used leniently, but on clearly established principles. As for the rest, it should be left to the immutable laws of Nature to gradually mould,

in outward form and inward composition, that horse which best answers those requirements.

The centre of gravity in all trials of strength and endurance is to be found on the racecourse: the straighter the running track the more infallible the result; the longer and steeper the gradient the severer the test.

As to the distances to be run over, I would recommend for three-year-olds and upwards from one mile to two miles at the scale of weights adopted in the rules of racing at present in force in Prussia, which is about 10lb. above English weights.

Two-year-olds should, due regard being had to the time of year and the state of the ground, never run less than four and a half, nor more than seven furlongs; shorter races ruin their temper more than those over longer distances, in which the pace from the beginning is not so severe, nor the start of so much consequence.

Whoever has had frequent opportunities for observing in a racing stable the development of two-year-old horses will, as a rule, have noticed an evident change about the middle of summer. They quite suddenly lose their foal-like appearance and become young horses. In general this alteration takes place at the same time as the shedding of the two middle teeth; all at once the youngsters are better able to resist the wear and tear of training and improve as the work agrees with them. Of course, this change does not occur simultaneously in all two-year-olds, although they may be equally well reared; nevertheless I have noticed at this period a greater degree of evenness in the development of late and earlier foals than seemed warranted, considering the difference in their respective ages.

As, however, at midsummer the ground frequently is too hard to admit of good work being done with two-year-olds without danger to their legs, I would advocate,

that the principal races for horses of that age should not take place before the autumn, when owners, who have judiciously saved their young animals during the summer, may indemnify themselves through richer prizes than were offered for competition in the earlier part of the season.

In principle I do not disapprove of running two-year-olds; on the contrary, I take it, if done in moderation, to be an unerring means to ascertain the soundness of the constitution. From midsummer, say 1st of August, I look upon such races, according to the degree of development in the individual horses, as useful; care must, however, be taken not to overdo it, especially with fillies, whose temper is more excitable than that of colts. I have generally noticed that mares which creditably stood the test of two year old training, also proved themselves superior at the stud. Taking, for instance, the most successful brood mares during the twenty years from 1860 to 1879, that is to say, the dams of the winners of the four classic races—Two Thousand Guineas, Derby, Oaks and Leger—of that period, we find upon examination of their earlier career, that of those eighty, or rather eighty-two mares—two races resulted in dead heats, which were not run off—only thirty did not run as two-year-olds. That early ripeness in a racehorse may be regarded as a proof of health, even with regard to later usefulness at the stud, is further corroborated by Little Lady, the dam of the Two Thousand Guineas winner, Camballo, having carried off the Anglesey Stakes for yearlings at Shrewsbury in 1859—the only race of the sort ever run. I mention this circumstance, however, by no means in support of yearlings' races; on the contrary, I look upon them as senseless institutions, which, fortunately, twenty years ago, were abolished in England, the only country where they ever existed.

The severe training and repeated trials of yearlings, moreover, I take to be dangerous in Germany, where the winter generally sets in and puts a stop to all training operations about the middle of November. In England, and especially in France, where, as a rule, yearlings can be tried about Christmas time, it may be done without detriment to their health; the more so, as in those favoured climates their development is less retarded by the cold, and young horses acquire earlier than in Germany the power which is necessary to bear the strain of training.

I consider the test by hurdle racing, and especially by steeplechasing, rather one of acquired cleverness than of consequence for breeding. The principal race across country in England, the Liverpool Grand National, has repeatedly been won (for instance, in 1863 by Emblem, and in the following year by her own sister, Emblematic, by Teddington out of Miss Batty) by animals not possessed of sufficient staying power to run a mile creditably in even moderate company. This applies more particularly to the younger sister, Emblematic. It is not so much length of distance that constitutes a criterion of endurance, as the pace at which it is run. In a steeplechase this is generally so slow, that a horse, able to race half a mile, is never for a moment extended; if with such speed he combines a quiet temper, so as not to take more out of himself than is required by his rider, he may, in an ordinary race of that description, gallop a long time without being distressed, and, having thus husbanded his strength, have sufficient left in him to enable him to win the race.

Jumping is more a question of agility than of power, except in young and unpractised horses, that tire more through their awkwardness in leaping than through galloping; schooled chasers, however, are required to put

forth additional energy only, when the race is run at an inconveniently fast pace, difficult for them to continue.

To the practised jumper, on the contrary, the leap over a fence of not extraordinary proportions, if taken at a moderate pace, rather affords him time to recover his breath than causes the waste of additional strength. Since the speedier horse jumps at a slower pace than the slower stayer in proportion to their respective degrees of speed, the former, equal cleverness in jumping taken for granted, must necessarily consume less strength than the latter.

The steeplechase course, therefore, favours, *cæteris paribus*, the speedy horse as compared to the slower stayer, and practice daily shews us instances of horses, that, as non-stayers were useless on the flat, become successful chasers, and, *vice versa*, stayers on the flat which over a country fail to gain distinction.

Intending regenerators of racing on what they consider more rational principles, therefore, shew a lamentable ignorance of the nature of the horse, when advocating the adoption of the steeplechase as the test by which to gauge the capabilities of the thoroughbred, and would, if they succeeded in their endeavours, attain only the exact reverse of what they aim at. I would recommend those who still insist that steeplechasing is more reliable than racing on the flat, for the purpose of ascertaining power and soundness in a horse, to look round the large steeplechase establishments in England, France, or even Germany, and examine the legs of the horses kept for that kind of work. The numerous patched-up screws that run and win races year after year, would not stand for a month the preparation for a flat race, much less the race itself; and, finally, as to the excellence at the stud of stallions, celebrated as steeplechasers, experience teaches that none such exist who subsequently made a name as sires of racehorses;

whereas stallions that on the turf belonged to the first class, frequently sired superior chasers. As a touchstone for mares intended for breeding purposes, steeplechasing, independent of other considerations, is unsuitable, inasmuch as horses are qualified for such work at a more advanced age only. Whereas, therefore, the brood mare is kept from her vocation longer than is desirable in the interest of breeding, her fitness as a matron suffers proportionately by long protracted training.

As far as I know, there is in the whole stud book not a single steeplechase mare that has made for herself a great name as the dam of winners on the flat.

A cardinal point, which continually maintains and regenerates the thoroughbred as a source of power and soundness, and places it, with regard to certainty of propagation, far above all other breeds of the equine race, is the circumstance that the thoroughbred is tried before it is sent to the stud; whereas, of the half-bred, such individuals only as are unfit for breeding purposes, are put to the test. Half-breds at the stud, more especially stallions, from the day they are foaled to that of their death, lead an existence of sluggish idleness, generation after generation, without interruption. However useful cart mares may be in the plough or other kind of slow work, a half-bred brood mare is never subjected to a real trial of her capabilities, and, as an extremely rare occurrence, such a mare returns to the stud on account of an excellence accidentally brought to light; but if, however, done so, it will probably be too late for any use for breeding.

What would become of the usefulness of our half-breds, what of our cavalry, without a continuance of crosses with stallions of pure blood, bred for stoutness and chosen on account of their proper excellent qualities, so as to constantly renew the necessary steel in the breed?

The thoroughbred is in a much lesser degree the produce of any particular locality than the cart horse or even the half-bred; it is rather one of an artificial nature, better able to withstand external influences and capable of being transplanted to all parts of the globe, and continued without essential deterioration as long as the elementary principle is not lost sight of; that is to say, as long as its capabilities are tried in public, and as long as the best tried animals are in preference used for reproduction. The thoroughbred stands to the half-bred in the same position as the plantation tree to the wild tree of the forest: the former thrives in any locality where trees grow, the latter feels at home only where it first struck root, for having never been transplanted, it wants those fibres by means of which to take hold of and draw sustenance from the new soil.

I do not, however, mean to say that thoroughbred mares are in no way influenced by translocation to other countries and climates; on the contrary, I am of opinion that greater safety will be insured by breeding from mares bred at home, than from imported ones. I merely assert that in the thoroughbred, the power of resistance to local and climatic influences is infinitely higher than in the half-bred, &c.

For this reason the establishment of a stud for thoroughbreds in Germany is less difficult than one intended for the baser breed, provided the locality be adapted to the purpose and the requisite means available. I do not mean to say that faultless brood mares of the first class are easily obtainable in England; but since the price of such mares is eventually almost unlimited in comparison to what half-bred brood mares will command in the market, and, as in numerous instances, owners of eminent mares, which did them good service on the turf, prefer breeding

from them in public establishments to selling them to the more extensive breeder, in England the fluctuation in the thoroughbred material is influenced in a higher degree by the change of circumstances than that in our half-breds. The chances of a foreigner making a favourable investment, therefore, rise in proportion, provided he is at home in the Racing Calendar, the Stud Book, and last, but not least, the personal concerns of English breeders.

This brings us to the practical question : what must be the aim of the breeder in the selection of brood mares ; or, as applied to us, what principles must guide us in the importation of brood mares from England or France, or when choosing from those bred at home ?

I believe, if strictly adhered to, the following hints may be depended on as offering the greatest amount of safety in the choice of brood mares :—

1. To buy, without exception, mares from the best strains of blood only, more regard being had to the dam even than to the sire.

2. To bear in mind that a good pedigree alone is not sufficient, because the best bred mare may be unsound ; (I thought that by the acquisition of the own sisters to Gladiateur and Vermout, although neither had done anything remarkable on the turf, I had made sure of an enormous success ; but both turned out unsound and worthless at the stud) ; to be, therefore, particular to buy from the best strains of blood such mares only as have

(a) Themselves exhibited some form on the turf, and only on account of insufficient age not yet been tried at the stud, or have

(b) Already bred winners, and thereby proved themselves sound dams and fit to propagate the excellent qualities of their respective families.

As a matter of course, of the mares coming within the limits of the foregoing conditions the most powerful and truthfully made will be preferred ; but no consideration of the exterior, however prepossessing it may be, if not accompanied by those requisite attributes, should be allowed to prevail, for there is no more baneful, no more certain hereditary evil than unsoundness—especially rheumatic or scrofulous disorders.

I am well aware that with regard to No. 2, and especially sub-division (*a*), I shall meet with vehement opposition, and that a number of instances to the contrary will be cited. They are not unknown to me, but I adhere to my own opinion, for the following reasons:—

When I require in a young mare intended for stud purposes individual performances, I do not mean to say that I would not buy one that had not, on a given number of occasions, been first past the post.

Although I value racing form as such very highly, yet do I consider it of still greater importance that a mare should have proved, by repeated running, even if not attended by eminent success, that no unsoundness of limbs, no organic disease or defect of temper prevented her bearing the strain of training and racing.

I know perfectly well that in numerous instances, thoroughly sound animals with a good temper and all the necessary qualities for racing, through no fault of theirs, but in consequence of a mere accident, have been kept from appearing in public (absolute certainty in that respect can, however, only be acquired by personal superintendence of their training) ; but I know equally well, that in nine cases in every ten, unsoundness, weakness or temper, have been the cause. It is advisable to rely on the Racing Calendar alone, and not believe a word of the fictitious marvels told of the innumerable mares without public form and

which tales are spread about by the owners of those animals. If only one-tenth of them were true, there would have been every year at the least, a dozen winners of the One Thousand Guineas, the Oaks, or the Prix de Diane—if one accident or another had not happened.

The affirmation on the part of owners, that the mare for sale had never been trained, was not even broken, likewise frequently differs from the truth, and is solely intended to make the purchaser believe, that she would, in all probability, have done wonders, if she had been put into training. But, in reality, this ought to be considered as a drawback, as, those of a few eccentric breeders excepted, nearly every thoroughbred in England, if sound, well developed, and sufficiently well bred, is sent to be trained ; only when too small, unsound, or cripples, are they thought not worth the trouble and expense, and consequently kept at home at grass. I am deterred by the expression “ never been in training,” or “ never been broken,” when applied to a young mare, even more than by an injured leg, which tells its own unvarnished tale of the reason of her non-appearance in public. The wisest plan is to keep aloof from both, until they have by their progeny proved their soundness as dams.

A look round the select studs of owners who breed their own racehorses in England and France, (Lord Falmouth, Duke of Westminster, Mr. Lefèvre, &c.), will shew that nearly all their brood mares have themselves been winners or are the dams of winners, with the exception of only now and then a mare of their own breeding, or from their racing stables, sent to the stud on trial, of whose internal soundness the owner is perfectly satisfied, and who has only in consequence of an accident been prevented from running on the turf. Mares with high sounding pedigrees, but without any pretensions to indi-

vidual goodness, form the staple of a good many studs breeding for sale over which a few matrons of sterling worth, bought, if possible, for large sums at public sales, serve to throw a kind of halo. Mares without fashionable pedigrees or previous excellence, which in England are to be had by the dozen for less money than that for which half-bred ones can be purchased on the Continent, are owned by needy people, who wait for a lucky chance, or by second and third-rate breeders, who speculate on selling them to the flats from abroad.

Sir Tatton Sykes, quantitatively one of the most extensive breeders of modern times, sold only his colts, while he allowed the fillies to grow up wild and untried, and kept those he liked best to breed from. The upshot was a stupendous failure, which must have ruined any man less wealthy than the Yorkshire Baronet. He had peculiar ideas, and I think, believed in the soundness of his principle. Had it been anyone else I should have put him down as a very knowing manager; for in a stud breeding for sale, a considerable saving may, no doubt, be effected by substituting for brood mares of well established reputation that cannot be had without the outlay of large sums of money, young and perfectly untried animals which have cost very little to keep, and nothing at all to train. The only difficulty is to make the public, or even a small section of it, share the apparent belief of the owner and induce them to pay for the yearling colts in proportion to their credulity.

If Sir Tatton had been obliged to put all his colts into training, instead of disposing of them to the highest bidder, even for a mere song, as was towards the end the case, he would, I am convinced, in spite of his eccentric obstinacy, soon have changed his mind and principle of breeding. I could continue the subject and make similar

remarks with regard to some studs of the present day, largely breeding for sale from untried mares. It is thus not surprising to see such breeders on speculation amongst the foremost champions of that theory. Any attempt to get from the same men, who invariably have a large stock of rubbish on hand for sale to the unwary stranger, one of those mares with racing performances, of which, as I explained before, they keep a small number, will be met with the demand of an absurd price, or the stereotyped "not for sale." Should, however, an exception be made and a reasonable sum asked, it is ten to one that there is something wrong about the mare.

On the other hand it is evident that in England latterly a wholesome reaction has commenced to prevail; not so in France, where the thoroughbred is at present in danger of suffering from the pernicious wholesale production from untried mares in studs breeding for sale.

In support of the assertions of those fanatics, who ridicule individual racing form as not hereditary, and look for the probability of propagation of such qualities in the breed only without taking into account the propagating individual, Pocahontas (the dam of Stockwell, Rataplan, King Tom, &c.) is frequently quoted as the irrefutable proof of the correctness of their theory. They copy from one another and rely on the public taking as little trouble as themselves to refer to the Racing Calendar for the old mare's performances. For the benefit of those, who not only look for examples to prove their ready made theories, but are anxious for real facts from which to draw instruction, I will detail the racing career of Pocahontas in order to shew that she comes up to my standard of a good brood mare. Pocahontas, though she was a roarer, by her racing during four seasons proved herself possessed of a good constitution; her form, moreover, was not so inferior

as many pretend it to have been. If she had run in races of minor importance, she would probably have had more than one winning bracket to her name.

Pocahontas, bred 1837, by Glencoe out of Marpessa (dam of Jeremy Diddler and Boarding School Miss), when two years old, ran only in the Criterion, unplaced to Crucifix.

As a three-year-old she ran twice, also unplaced: in the Oaks, won by Crucifix, and in the Goodwood Cup, won by Beggarman, in which race Lanercost was second and Hetman Platoff third.

At four years of age she ran three times unplaced: in the Goodwood Cup, the Cesarewitch, and the Cambridgeshire.

In the following year, at Goodwood, she won the first heat of a race finally won by Currier. At Brighton she also won the first heat of a race, ultimately won by Miss Heathcote. She made her last appearance on the turf in a mile race heats at Rochester and Chatham, where, in a field of nine horses she won the first heat, and in the other two ran second to Patchwork.

To see mares, celebrated on the turf, like Marie Stuart, Fraulein, &c., turn out indifferent at the stud, may, at least partially, be accounted for by their too arduous and too protracted racing careers.

Lord Falmouth's mares, whose racing careers invariably close with the end of their fourth year, rarely suffer in a like manner. In support of the correctness of this and other assertions advanced by me, I give the list of that nobleman's entire stud at Mereworth, as it existed in 1880. It was composed of the following twenty-four mares:—

BROOD MARES AT MEREWORTH IN 1880.

Names printed in black letters are those of winners of one or more of the four classic races—Two Thousand Guineas, Derby, Oaks, and St. Leger.

Bred.	Name.	Pedigree.	Own Performances.				Bred the following Winners.
			Year.	Ran.	Won.	Of which Important Races.	
1858	SILVERHAIR	By Kingston out of England's Beauty (dam of the winners: Attraction, The Rake).	1860 1861 1862	3 5 3	2 1 ...	Eglinton Stakes.	Silvester. Silver Ring. Periwig. Garterly Bell. Fetterlock. Silbia. Apollo.
1870	SILVER RING	By Blair Athol out of Silverhair (dam of the winners: Silvester, Periwig, Garterly Bell, Fetterlock, Silbia , Apollo).	1872 1873	7 7	5 1	Bretby Stakes.	Ringleader.
1859	HURRICANE	By Wild Dayrell out of Midia (dam of the winners: Cynricus, Avalanche, Tornado, Sydmonton).	1861 1862 1863	4 8 4	2 3 ...	1000 Guineas.	Stromboli. Atlantis. Atlantic. Cataclysm. Whirlwind.
1867	ATLANTIS...	By Thormanby out of Hurricane (dam of the winners: Stromboli, Atlantic , Cataclysm, Whirlwind).	1869 1870	9 2	5 ...	Clearwell Stakes. Prendergast Stakes.	Henry II.
1867	GERTRUDE	By Saunterer out of Queen Bertha (dam of the winners: Queen's Messenger, Spinaway , Wheel of Fortune , Great Carle).	1869 1870 1871	8 11 10	3 4 1	Yorkshire Oaks, Great Yorkshire Stakes.	King Clovis. Childeric. Charibert.
				29	8		

BROOD MARES AT MEREWORTH IN 1880—continued.

Bred.	Name.	Pedigree.	Own Performances.			Of which Important Races.	Bred the following Winners.
			Year.	Ran.	Won.		
1860	Queen Bertha	By Kingston out of Flax (dam of the winners: Reginella, Court Mantle, Linsey Woolsey).	1862 1863 1864	4 5 1	1 2 ...	Oaks.	Gertrude. Queen's Messenger. Spinaway. Wheel of Fortune. Great Carle.
1872	Spinaway	By Macaroni out of Queen Bertha (dam of the winners: Gertrude, Queen's Messenger, Wheel of Fortune , Great Carle).	1874 1875	3 13	1 10	1000 Guineas, Oaks, Nassau Stakes, Yorkshire Oaks, York Cup, Doncaster Stakes, Royal Stakes, Newmarket Oaks.	Merry-go-Round. Darnaway.
1876	Wheel of Fortune	By Adventurer, out of Queen Bertha (dam of the winners: Gertrude, Queen's Messenger, Spinaway , Great Carle).	1878 1879	6 5	6 4	Richmond Stakes, Buckenham Stakes, Dewhurst Plate. 1000 Guineas, Oaks, Prince of Wales's Stakes Ascot, Yorkshire Oaks.	
1865	LADY COVENTRY	By Thormanby out of Lady Roden (dam of the winners: Ma Belle, Liddington, Mirella), by West Australian out of Saunterer and Loiterer's dam.	1867 1868	1 6	... 1		Peeping Tom. Yorkshire Bride. Farnese. Lady Golightly. Placentia. Earl Godwin.
1875	LADY OF MERCIA	By Blair Athol out of Lady Coventry (dam of the winners: Peeping Tom, Yorkshire Bride, Farnese, Lady Golightly, Placentia, Earl Godwin).	1877	2	...		

BROOD MARES AT MEREWORTH IN 1880—continued.

Bred.	Name.	Pedigree.	Own Performances.			Of which Important Races.	Bred the following Winners.
			Year.	Ran.	Won.		
1874	LADY GO-LIGHTLY	By King Tom out of Lady Coventry (dam of the winners: Peeping Tom, Yorkshire Bride, Farnese, Placentia Earl Godwin).	1876	8	5	Champagne Stakes, Nassau Stakes, Yorkshire Oaks, Great Yorkshire Stakes, Doncaster Stakes, Newmarket Oaks, Newmarket Derby, II. in St. Leger, York Cup.	
			1877	15	10		
			1878	8	2		
				31	17		
1876	PLACENTIA	By Parmesan out of Lady Coventry (dam of the winners: Peeping Tom, Yorkshire Bride, Farnese, Lady Golightly, Earl Godwin:	1878	2	1		
			1879	2	...		
				4	1		
1867	WHEAT-EAR	By Young Melbourne out of Swallow (own sister to Stilton and dam of the winners: Whitebait, Lady Bugle Eye, Nightjar, Ortolan, Germania, Merlin).	1869	6	3	Ascot Biennial. Newmarket Biennial.	Skylark. Fieldfare. Redwing. Leap-Year.
			1870	9	4		
			1871	4	1		
				19	8		
1874	KITTY SPRIGHTLY	By Rosicrucian or Young Dutchman out of Niké (dam of the winners: Juvenis, Dreadnought, Hydromel, Adjutant, Spring Captain, Best and Bravest. Britomartis).	1876	10	3		
			1877	6	1		
				16	4		

BROOD MARES AT MEREWORTH IN 1880—*continued.*

Bred.	Name.	Pedigree.	Own Performances.				Bred the following Winners.
			Year.	Ran.	Won.	Of which Important Races.	
1875	REDWING...	By Blair Athol out of Wheat-ear (dam of the winners . Skylark, Fieldfare, Leap-Year).	1877	6	5	Hurstbourne Stakes, Astley Stakes, Convivial Stakes.	
			1878	9	1	Coronation Stakes.	
				15	6		
1876	LEAP-YEAR	By Kingcraft out of Wheat-ear (dam of the winners: Skylark, Fieldfare, Redwing).	1878	5	3	Chesterfield Stakes, Prendergast Stakes.	
			1879	5	...		
				10	3		
1864	NIKÉ.....	By Orlando out of Ayacanora (dam of the winners: Cachuca, Chattanooga, Cestus), by Bird-catcher out of Pocahontas.	1866	11	3		Juvenis. Dreadnought. Kitty Sprightly. Hydromel. Adjutant. Spring Captain. Best and Bravest. Britomartis.
			1867	9	3		
			1868	6	3		
				26	9		
1869	LILIAN	By Wingrave out of Lady Blanche (dam of the winners: Miss Gratwicke, Parmesina, Zee), by Voltigeur.	1871	7	3	Newmarket Oaks. Brighton Stakes. Brighton Cup, Warwick Cup. Great Ebor Handicap. and 29 Queen's Plates.	
			1872	14	7		
			1873	17	3		
			1874	32	21		
			1875	17	7		
			1876	19	5		
			1877	3	0		
			109	46			
1870	CANTINIÈRE	By Stockwell out of Cantine (dam of the winners: Picnic, Aventurière), by Orlando out of Vivandière (own sister to Voltigeur).	1872	7	6	Woodcote Stakes, Ascot Biennial, Hurstbourne Stakes, Chesterfield Stakes, Lavant Stakes, Findon Stakes.	Forager. Bal-Gal. Butch Oben.

BROOD MARES AT MEREWORTH IN 1880—continued.

Bred.	Name.	Pedigree.	Own Performances.				Bred the following Winners.
			Year.	Ran.	Won.	Of which Important Races.	
1868	CHEVI-SAUNCE (own sister to Lord Lyon and Achievement)	By Stockwell out of Paradigm (dam of the winners: King at Arms, Man at Arms, Rouge Dragon, Blue Mantle, Gardevisure, Lord Lyon, Achievement, Paraffin).	1870	6	1		Jannette. Muriel.
1875	Jannette ...	By Lord Clifden out of Chevisaunce (own sister to Lord Lyon and Achievement).	1877	7	7	Criterion Stakes, Richmond Stakes, Clearwell Stakes, Bretby Stakes.	
			1878	10	8	Oaks, Midsummer Stakes, Yorkshire Oaks, St. Leger, Park Hill Stakes, Champion Stakes, Newmarket Oaks.	
			1879	7	2	Jockey Club Cup.	
				24	17		
1870	CECILIA ...	By Blair Athol out of Siberia (winner of the 1000 Guineas, and dam of the winners: Patriarch, Dandelion).	1872	5	...		Olivette.
			1873	6	2	1000 Guineas.	
				11	2		
1874	MAVIS	By Macaroni out of Merlette, by The Baron out of Cuckoo.	1876	7	2		Gaillard.
			1877	8	1		
				15	3		
1874	PALMFLOWER	By The Palmer out of Jenny Diver (dam of the winners: Oasis, Jenny Howlet), by Buccaneer.	1876	8	4	Hurstbourne Stakes.	
			1877	4	...		
			1878	1	...		
				13	4		

On examination of the foregoing table of the twenty-four matrons, of which that celebrated stud is composed, it will be seen that

1. It contains not a single mare that has not been on the Turf, and only one (Lady of Mercia) that has not won a race. She was the best-trying yearling in the stable, of enormous size, but she caught influenza, and became a roarer. Further, that
2. There is not one amongst them that did not run at two years of age, or
3. Remained on the Turf longer than four years old, except Lilian, who during her racing career belonged to Mr. Savile, and was not purchased by Lord Falmouth till after its close ; or
4. Whose dam had not bred other winners besides herself.

It may be said that breeding from tried and successful mares only is a hobby of Lord Falmouth's, and that the same result might be obtained by other means. It is difficult to deny this with absolute certainty. The following tables, showing the performances of the dams of the winners of the four classic races—Two Thousand Guineas, Derby, Oaks and St. Leger—for the twenty years from 1860 to 1879, compiled for that purpose, however, will at least prove that a greater probability of success is secured by acting on that principle.

TWO THOUSAND GUINEAS.

Year.	Winner.	Dam of Winner.			
		Name.	Ran.		Won.
			2 years old.	3 years and upwards.	
1860	The Wizard	The Cure mare	—	—	—
1861	Diophantus	Equation	—	8	2
1862	The Marquis	Cinizelli	—	3	—
1863	Macaroni	Jocose	—	4	2
1864	General Peel	Orlando mare	2	—	—
1865	Gladiateur	Miss Gladiator	—	4	—
1866	Lord Lyon	Paradigm	2	—	—
1867	Vauban	Palm	8	—	7
1868	{ Moslem	Besika	7	26	7
	{ Formosa	Eller	2	7	2
1869	Pretender	Ferina	—	—	—
1870	Macgregor	Necklace	—	8	—
1871	Bothwell.....	Katherine Logie ...	—	—	—
1872	Prince Charlie	Eastern Princess ...	6	36	7
1873	Gang Forward	Lady Mary.....	—	—	—
1874	Atlantic	Hurricane	4	12	5
1875	Camballo	Little Lady.....	18*	17	16
1876	Petrarch.....	Laura	5	4	2
1877	Chamant	Araucaria	—	7	1
1878	Pilgrimage.....	Lady Audley	—	—	—
1879	Charibert	Gertrude	8	21	8

* Of which once as a yearling.

DERBY.

Year.	Winner.	Dam of Winner.			
		Name.	Ran.		Won.
			2 years old.	3 years and upwards.	
1860	Thormanby	Alice Hawthorn.....	3	68	49½
1861	Kettledrum	Hybla	—	—	—
1862	Caractacus	Defenceless	1	—	—
1863	Macaroni	Jocose	—	4	2
1864	Blair Athol.....	Blink Bonny	11	9	14
1865	Gladiateur	Miss Gladiator	—	4	—
1866	Lord Lyon.....	Paradigm	2	—	—
1867	Hermit	Seclusion	6	16	6
1868	Blue Gown.....	Bas Bleu.....	1	7	—
1869	Pretender	Ferina	—	—	—
1870	Kingcraft	Woodcraft	8	1	2
1871	Favonius	Zephyr	5	9	3
1872	Cremorne	Rigolboche	4	4	—
1873	Doncaster	Marigold	—	14	5
1874	George Frederick ...	Princess of Wales ...	8	1	1
1875	Galopin	Flying Duchess	8	7	2
1876	Kisber	Mineral	5	13	4
1877	Silvio	Silverhair	3	8	3
1878	Sefton.....	Liverpool's dam.....	1	1	1
1879	Sir Bevys	Lady Langden	6	—	—

OAKS.

Year.	Winner.	Dam of Winner.			
		Name.	Ran.		Won.
			2 years old.	3 years and upwards.	
1860	Butterfly	Catherine	—	7	4
1861	Brown Duchess.....	Espoir	5	14	14
1862	Feu de Joie	Jeu d'Esprit	—	3	—
1863	Queen Bertha.....	Flax	—	—	—
1864	Fille de l'Air	Pauline	—	—	—
1865	Regalia	The Gem	6	2	2
1866	Tormentor	Torment.....	5	9	8
1867	Hippia	Daughter of the Star	3	16	5
1868	Formosa.....	Eller	2	7	2
1869	Brigantine	Lady Macdonald ...	1	1	—
1870	Gamos	Bess Lyon	5	—	—
1871	Hannah	Mentmore Lass	—	6	1
1872	Reine	Fille de l'Air	9	12	13
1873	Marie Stuart	Morgan la Faye.....	1	1	1
1874	Apology	Mandragora	—	—	—
1875	Spinaway	Queen Bertha.....	4	6	3
1876	{ Enguerrande.....	Deliane	—	3	1
	{ Camelia.....	Araucaria	—	7	1
1877	Placida	Pietas (late Faith)...	14	15	5
1878	Jannette	Chevisaunce	6	—	1
1879	Wheel of Fortune ...	Queen Bertha.....	4	6	3

ST. LEGER.

Year.	Winner.	Dam of Winner.			
		Name.	Ran.		Won.
			2 years old.	3 years and upwards.	
1860	St. Albans	Bribery	7	9	8
1861	Caller Ou	Haricot	—	40	18
1862	The Marquis	Cinizelli	—	3	—
1863	Lord Clifden	The Slave	3	—	—
1864	Blair Athol.....	Blink Bonny	11	9	14
1865	Gladiateur	Miss Gladiator	—	4	—
1866	Lord Lyon.....	Paradigm	2	—	—
1867	Achievement	Paradigm	2	—	—
1868	Formosa.....	Eller	2	7	2
1869	Pero Gomez	Salamanca.....	4	3	1
1870	Hawthornden.....	Bonny Blink	2	—	—
1871	Hannah	Mentmore Lass	—	6	1
1872	Wenlock	Mineral	5	13	4
1873	Marie Stuart	Morgan la Faye.....	1	1	1
1874	Apology	Mandragora	—	—	—
1875	Craig Millar	Miss Roland	16	3	10
1876	Petrarch	Laura	5	4	2
1877	Silvio	Silverhair	3	8	3
1878	Jannette	Chevisaunce	6	—	1
1879	Rayon d'Or	Araucaria	—	7	1

The foregoing tables show, that of these eighty-two (in 1868 the Two Thousand Guineas, and in 1876 the Oaks, resulted in a dead heat, the stakes in each case being divided) dams of the winners of these great races only eleven, or about 13 per cent., had not been on the Turf, and that of the remaining seventy-one tried mares only nineteen had not run as two year olds. Taking, moreover, into consideration that of the mares figuring in the English Stud Book and used for stud purposes, those without public trial are in an overwhelming majority against those which have been on the Turf, it cannot be denied that the chances of breeding a winner of one of the four classic races are incomparably better with the latter than with the former.

It is frequently laid down as a rule that, in order to benefit the breed of horses in general, no thoroughbred animal affected with hereditary defects ought to be used at the stud. It is but just that those who clamour for this condition—that is, the breeders of half-breds—should set the example, which, however, they frequently omit; and I myself should not object to adopt a similar principle for the thoroughbred. It depends only on what is understood by the term hereditary defects. I take weakness and infirmities of the constitution to be the most hereditary defects, and believe that the ideal station on which the thoroughbred would be enabled to fulfil its high mission can be reached only if no unsound mares are allowed to be used for stud purposes. The only practical test of soundness of limbs, digestive organs, nerves and temper, remains—until a more perfect system is discovered—the public trial on the racecourse.

A mare, which in her second and third year, when perfectly well and fit, is repeatedly brought out, and honestly perseveres, even if only with moderate success, may in all probability be looked upon as sound, and from such sound mares, if no misfortune intervenes, sound progeny may be

expected. Exceptions to this, as to any other rule, of course do occur. So may we sometimes see mares, after standing the wear and tear of a Turf career without detriment to their constitution, in the end become unsound dams, that is, bring unsound foals or none at all; but in that case it is generally in consequence of being kept too long on the Turf; for mares like Alice Hawthorn and Beeswing, to race till their eighth and ninth year and then bring sound foals, adapted for racing, are rare exceptions indeed. I do not like to buy mares having remained on the Turf longer than, at the most, their fifth year.

The animal living in a primitive state, and acknowledging Dame Nature as the only authority with regard to its sexual instincts, satisfies the longing as soon as it makes itself felt. There is not much difference in our domestic animals, such as cattle, sheep, pigs; with them but a comparatively short time passes between the desire being awakened and appeased. In the young mare only that satisfaction is postponed from month to month, from year to year, until hysterics and similar disorders ultimately culminate in absolute sterility, consequences easy of comprehension, if it is taken into consideration that nature denied to the mare that salutary cleansing process, menstruation.

For this reason I prefer for stud purposes mares which during the period of training are never in use. I have frequently known such mares, of which on that very account fears of perfect uselessness for breeding purposes were entertained, on being sent to the stud, take the horse at the proper moment, be stinted the first or second time of covering, and retain this very valuable habit during the whole of their stud career.

I am well aware that it would be as difficult to carry out the exclusion from the stud of every untried or unsound

mare, as it is to prevent others affected with visible defects or imperfections being used. I merely mean to say that the breeding from so many untried or unsound mares is the principal obstacle to the complete attainment by the thoroughbred horse of its ideal destination.

The buying of brood mares, if pursued not only with the possibility, but the probability also of success, is indeed no easy task. By deducting all mares which never showed any racing form, nor ever bred a winner, the sum of those remaining available will be reduced by 90 per cent. on those offered. This, however, by no means guards against bitter disappointment; and in order to insure the greatest possible safety in choosing from among the so reduced number, the intending purchaser will do well to pay particular attention to the following points:—

1. With young mares, to be careful that habitually they be neither too gross nor too poor; either extreme is inimical to a healthy progeny.
2. If dam and granddam have bred other winners, it will greatly enhance the value of the mare under inspection; the more superior, and especially sound, racehorses amongst her immediate relations the better. Is she, on the contrary, of a great number of brothers and sisters the only good performer, her acquisition will by no means be so desirable as at first sight her individual excellence seemed to warrant.
3. The peculiarities or weaknesses with regard to temper, organs of respiration and digestion, feet, bad habits, such as wind-sucking or crib-biting, nerves, &c., should be taken into account; likewise the strong or weak points which characterise the respective families must not be overlooked.

4. Before buying mares which have already bred foals, one should be satisfied as to the state of the sheath. From outward signs of rupture or a blubbering noise in trot or canter, may be inferred rupture or extension in its internal parts. I cannot too energetically caution against the purchase of such a mare; she would be too dear at any price.
5. An examination of the udder should not be omitted, its development, and whether on both sides equally practicable. The state of nurture of the last foal will show what nourishment it received from its dam; in wholesome mother's milk frequently lies the decision of the whole question whether a foal will grow into a racehorse or become a miserable weakling. Insignificant foals frequently develop with incredible rapidity at foot of a dam with exceptionally good milk, as other mares will, season after season, throw magnificent foals, which during suckling time collapse and melt away like butter in the sun. It is advisable to take away from such dams the foals soon after they are dropped, and get nurses for them if they are to be had.*
6. It is better to abstain from purchasing mares which, according to the Stud Book, have repeatedly slipped their foals, frequently remained barren, or bred twins.

* Particularly sensitive mares will not easily submit to the exchange, but with the necessary precaution and patience it generally succeeds. The mare knows her foal by the smell principally, as may be ascertained when collected in greater numbers. A little aniseed oil rubbed into the coats of the foals to be exchanged, for a few days, until the mares have got accustomed to it, prepares the deception. The mares are then removed from their boxes for a time sufficient to allow the pressure of the milk in the udder to become inconvenient, when, the foals being exchanged in the meantime, the mares are brought back, and the imposition is accomplished.

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7. The first requisite in a mare is, that she should be long, deep, and roomy, in order to afford the foal sufficient space for its development; leggy and short mares cannot be expected to throw big foals. Many imperfections may be overlooked rather than these two.
 8. I do not like in a brood mare a too luxuriant growth of hair, nor, especially, tails full and bushy at the root. Foals from mares, and stallions, too, thus affected are generally wanting in energy and quality. A rat tail is a great eyesore; but how rare is a bad horse with a rat tail?
 9. From a sharply-marked expression in muscles and limbs in every animal, from which it is intended to breed, may be inferred that its progeny will be similarly distinguished. The generic character, especially, must be unmistakably expressed in either sex. I dislike mares resembling in shape and manners stallions as much as I do entire horses, a minute inspection of which is necessary to convince one that they are not mares or geldings. The more quality the mare possesses, the more marked must be the expression of her sex. The charm of femininity, if I may say so, ought to pervade her whole appearance.

To enumerate every possible rock on which the purchaser of brood mares may get wrecked is almost impossible. It requires the practical eye of the breeder, experienced in all the difficulties besetting his calling, to detect them and to protect him from its danger.

I do not venture even approximately to determine at what age the brood mare attains the climax of her propagating power. The most celebrated of their kind exhibit

in this respect the greatest varieties, although a certain distrust against the produce of very old mares may appear justified. But even here exceptions are not wanting: for instance, Araucaria, dam of Stephanotis, Wellingtonia, Catalpa, Camelia, Chamant, and Rayon d'Or, was bred in Pocahontas, her dam's, twenty-fifth year, whereas Pocahontas was Marpessa's first foal, the latter also being the first foal of Clare. On the other hand, it is surprising that of the winners of the four classic races few were first foals; of the Derby during a century only three—1795, Spread Eagle; 1852, Daniel o'Rourke; and 1855, Wild Dayrell. A singular fact, also, is that the Two Thousand Guineas in 1823 was won by one of twins, Nicolo, by Selim.

Of all the celebrated matrons in the Stud Book, Queen Mary and Haricot, her daughter, stand forth as descended from dams of the most tender age. The mare by Plenipotentiary out of Myrrha, by Whalebone, foaled in 1840, was covered when not more than two years old, and bred in 1843 the famous Queen Mary, who, after running but once as a two-year-old, was disabled by an accident. She was covered when three years of age, and bred in the year following Haricot. In those two mares, Queen Mary and her dam, early impregnation seems to have been attended with unusual individual potency.

In general, let the breeder of thoroughbreds never adopt the principle that quantity better than quality will succeed.

Breeding can be profitable only when in conjunction with the very best material obtainable, and when in the produce nothing is spared to contribute to success. Although a few isolated instances, like the late Mr. W. Blenkiron, of Middle Park and Waltham Cross, have of late years proved that wholesale production of the thoroughbred may pay, yet I am doubtful whether Mr. Blenkiron did not die at precisely the right moment, and whether, without the enormous

prices realised after his death at the sale of his too numerous stud, the business would ever again have been able to show an equally favourable balance-sheet. Mr. Blenkiron was an unusually clever manager; he had closely studied and completely grasped the different phases of the thoroughbred market. On the one side breeding from a lot of untried mares, he at public auctions occasionally threw away, apparently without an object, large sums of money, but in reality in order to strengthen in the public the conviction that he was concentrating in Middle Park the quintessence of the English Stud Book, and to familiarise purchasers with the idea of the vastly enhanced value of the best class of its produce. The actual successes of the latter, independent of the prices realised at the sale, however, were, in comparison to the quantity, but moderate, and would, if all the horses bred by Mr. Blenkiron had been trained and raced for his own account, unquestionably have ended in his ruin.

As it is not likely that there will ever again be, in Europe at least, so large a breeding establishment as that sold at Middle Park in 1872, it may be in the interest of the history of the thoroughbred that the figures of that ever memorable sale be not lost in oblivion. I therefore recapitulate them in this place.

During six days in the months of June and July of that year, Messrs. Tattersall sold in the Middle Park Paddocks

Brood mares	198
Foals	119
Stallions (including Blair Athol for 12,500 gs., Breadalbane 6000 gs., Gladiateur 7000 gs.) ...	12
Yearlings.....	101

430

for the sum of 130,704 sovs., or at an average of nearly 304 sovs.

In half-breds the profit to be obtained from individual animals is narrowly limited. A numerical extension, therefore, may help to distribute the general expenditure over a greater number, and thereby reduce the average cost. In the thoroughbred, on the other hand, the value of a successful brood mare is almost illimitable, and repays manifold for years of fruitless labour. The late Mr. W. I'Anson grew rich by the sale of Queen Mary's sons and grandsons. Mr. Jackson paid him for Blair Athol alone, shortly before the St. Leger, consequently *after* the son of Blink Bonny had won for his breeder the Derby, not less than 7000*l.*; and Breadalbane, Broomielaw, Blinkhoolie, &c., also considerably swelled his receipts from the male line. With the female progeny of Queen Mary Mr. I'Anson founded a breeding stud, whose yearling produce, from nine to ten in number, realised at Doncaster, as late as 1880, an average of 900 *gs.*

What incalculable value is not represented by a mare like Pocahontas, whose direct descendants won the four classic races of England on no less than forty-five occasions! Pocahontas, bred 1837, reached the advanced age of thirty-three years; she bred fifteen foals, amongst which the stallions Stockwell, Rataplan, and King Tom, and, in a lesser degree, Knight of Kars and Knight of St. Patrick, shine as stars of the first magnitude. When twenty-five years of age, Pocahontas bred her last foal, Araucaria; and how potent remained in her that vital power with which she endowed her last offspring is shown by the achievements of the latter's progeny—Stephanotis, Wellingtonia, Camelia (winner of the Oaks), Chamant (winner of the Middle Park and Dewhurst Plates and the Two Thousand Guineas), and Rayon d'Or (winner of the St. Leger). Pocahontas founded a family of heroes, which ruled the Turf to an extent never equalled. Stockwell, himself a winner of the Two Thousand Guineas and the Leger, sired (besides three winners of the

Blue Ribbon) six winners of the St. Leger, a number which has never been reached before or since.

It is highly interesting to follow the progeny of celebrated ancestresses in all its branches, with their winners or dams of winners, the issue of each generation, especially in the female line; the value of the stallions being, as a rule, more universally known.

Before spending a large sum of money for a brood mare, it will be well to construe a genealogical table of the strains of blood throughout the female side, as I have hereafter tried with regard to the Queen Mary and Miss Agnes families. Nothing is so appropriate to show at a glance whether the mare under consideration belongs to a great racing family, or whether such qualities were inherited, in solitary instances only, or not at all, on the side of the dam.

Queen Mary.

Bred 1843, by Gladiator, dam by Plenipotentiary out of Myrrha, by Whalebone out of Gift, by Gohanna.

Bred.	Name.	Ran.	Won.	Important Races.
<i>Sons.</i>				
1850	BALROWNIE	10	3	Doncaster Stakes.
1853	BONNIE SCOTLAND	4	2	Doncaster Stakes.
1858	BONNYFIELD .....	...	...	Disabled, but sire of winners.
1862	BROOMIELAW	18	7	Dee Stakes. Chesterfield Cup.
1863	BERTIE	16	6	Dee Stakes.
1864	BLINKHOLIE	21	9	Ascot Gold Vase. Alexandra Plate.
<i>Daughters.</i>				
1847	I. HARICOT	40	17	
<i>Her Produce.</i>				
1857	a. Cramond.....	21	3	
1858	b. Caller Ou	98	49	34 Queen's Plates. St. Leger. Twice Northumberland Plate. Brighton Cup. York Cup.
1867	Pandore	14	4	

QUEEN MARY—*continued.*

Bred.	Name.	Ran.	Won.	Important Races.
	<i>HARICOT—continued.</i>			
1868	The Pearl.....	27	8	
1870	Poldoody.....	13	2	
1872	Periwinkle	11	3	
1878	Roysterer.....	13	2	Still running.
1864	<i>c.</i> Fabiola .....	...	...
1870	King William ...	38	6	
1873	Titania.....	2	1	
1868	<i>d.</i> Lady Langden ...	6	...	
1872	Hampton.....	33	19	Epsom Gold Cup. Doncaster Cup. Northumberland Plate. Goodwood Cup. Goodwood Stakes. Derby.
1876	Sir Bevys.....	4	1	
1878	Fosyan.....	14	1	[cap.
1869	<i>e.</i> Freeman.....	37	9	Twice Great Northern Handi- Goodwood Stakes. Chesterfield Cup. Alexandra Plate.
1849	II. BRAKEY	50	15	
	<i>Her Produce.</i>			
1858	<i>a.</i> Bernice.....	51	8	
1862	<i>b.</i> Kate Hampton ...	7	...	
1868	Lady Mortimer	11	2	
1863	<i>c.</i> La Dauphine	24	3	
1865	<i>d.</i> Thrift.....	...	...
1878	Tristan.....	37	18	Epsom Gold Cup. Ascot Gold Vase. Hardwicke Stakes. Champion Stakes. Grand Prix Deauville. Still running. Still running.
1879	Pursebearer.....	11	2	
1869	<i>e.</i> Ella.....	28	4	
1870	<i>f.</i> Miss Wingie	16	2	
1852	III. BLOOMING HEATHER	...	...
	<i>Her Produce.</i>			
1858	<i>a.</i> Grouse.....	2	...	
1859	<i>b.</i> Gorse.....	21	2	
1872	Goura.....	17	3	Hertefeldt.
1873	Good Hope.....	5	3	Vienna Derby. Union Berlin.
1875	Blanc Hexe.....	12	2	
1876	Tyrann.....	17	5	Still running.
1877	Schlenderhan ...	6	2	Still running.
1878	Kaiser.....	3	3	Hertefeldt. Still running.

QUEEN MARY—continued.

Bred.	Name.	Ran.	Won.	Important Races.
	BLOOMING HEATHER—con.			
1862	c. Maid Marian	5	1	
1869	King Tom colt	4	1	
1863	d. Robin Hood	11	2	
1867	e. Mahonia	15	3	
1874	Magnolia	9	1	
1869	f. Laburnum	22	3	and 5 Steeplechases.
1854	IV. BLINK BONNY	20	14	Derby. Oaks.
	<i>Her Produce.</i>			
1860	a. Borealis	21	6	
1868	Hyperion	25	5	
1869	Red Light.....	5	2	
1870	Blue Light	16	2	
1872	Flying Scotchman	9	1	
1873	Pier Light	3	1	
1861	b. Blair Athol	7	5	Derby. Leger.
1862	c. Breadalbane	27	8	Prince of Wales Stakes, Ascot. Gratwicke Stakes.
1857	V. BAB-AT-THE-BOWSTER ...	18	3	
	<i>Her Produce.</i>			
1870	a. Whympier	12	2	
1872	b. Mare by Adventurer	22	6	
1875	c. Mare by Knowsley	15	1	
1876	d. Lady Dixie	35	2	
1859	VI. BONNY BREAST-KNOT	10	1	
	(in France). <i>Her Produce.</i>			
1874	a. Sheldrake	32	5	
1860	VII. BONNY BELL	12	1	
	<i>Her Produce,</i>			
1867	a. Bonny Swell	17	3	
1869	b. Tocsin.....	9	3	
1871	c. Blantyre	9	2	
1874	d. Muscatel.....	23	3	
1875	e. Beauclerc	5	3	Middle Park Plate.
1866	VIII. BERTHA	7	1	
	<i>Her Produce.</i>			
1872	a. Brenda	47	21	
1873	b. Bridget	27	4	and over hurdles.

Miss Agnes.

Bred 1850, by Birdcatcher out of Agnes (dam of Lady Agnes), by Clarion out of Annette (dam of Ambrose and Glenmasson), by Priam.

Bred.	Name.	Ran.	Won.	Important Races.
	<i>Sons.</i>			
1858	GOLDSEEKER	17	4	
1859	KING OF KARS	17	3	
1864	BISMARCK	46	13	
1869	LANDMARK.....	16	2	
1871	COURONNE DE FER	10	4	Hurstbourne Stakes. Stockbridge Cup. Hopeful Stakes.
	<i>Daughters.</i>			
1856	I. LITTLE AGNES.....	22	4	
	<i>Her Produce.</i>			
1861	a. Prince Arthur	13	6	
1862	b. Wild Agnes.....	37	14	
1869	Little Agnes.....	13	6	Prix de Diane.
1871	Fair Agnes	4	...	
1873	Wild Tommy ...	19	1	
1863	c. Fair Agnes (broken hip) .....	...	...
1868	Bishopthorpe ...	68	16	
1870	Wild Aggie	21	9	
1871	Agglethorpe.....	67	12	
1872	Piercy	13	1	
1874	Constantine	41	5	
1877	Gildersbeck.....	41	8	Still running.
1878	Melmerby	23	2	Still running.
1879	Daffodil	5	1	
1864	d. Tibthorpe	44	11	Stewards' Cup.
1868	e. Merry Agnes	31	9	
1869	f. Little Heroine.....	25	2	
1870	g. Couleur de Rose...	17	3	
1871	h. Thirsk.....	16	4	
1875	i. Bonnie Agnes ...	7	2	
1878	k. Banbury Bun	9	1	
1857	II. BROWN AGNES	5	...	
	<i>Her Produce.</i>			
1862	a. Brown Bread	25	9	Northumberland Plate. Caledonian St. Leger.
1868	b. Andorka	35	6	Nemzeti.
1877	Armgard	18	7	
1869	c. Labancz	5	1	
1863	III. DARK AGNES (dead)	29	4	

MISS AGNES—*continued*,

Bred.	Name.	Ran.	Won.	Important Races.
1865	IV. POLLY AGNES .....	...	...
	<i>Her Produce.</i>			
1871	a. Lily Agnes	32	21	Northumberland Plate. York Cup. Doncaster Cup. Ebor Handicap.
1875	b. Tiger Lily	14	2	
1876	c. Jessie Agnes.....	13	6	
1867	V. FRIVOLITY	15	4	Althorp Park Stakes. Middle Park Plate.
	<i>Her Produce.</i>			
1874	a. Grand Templar ...	13	1	
1877	b. Miss Edwards.....	26	10	
1870	VI. WINDERMERE.....	3	1	
	<i>Her Produce.</i>			
1875	a. Ether	2	1	
1876	b. Bowness	17	5	
1877	c. Muncaster.	3	1	
1878	d. Westmoreland ...	4	1	Still running.

How far the exterior is to be considered in the choice of animals intended for the stud is an open question which causes much dispute, but which each breeder answers for himself, according to the aim he has in view.

Those who will not pay the cost of production of the thoroughbred, that is, who breed and use half-bred horses, insist on the power and regularity in make and shape of the latter; they forget, however, that the breeder of thoroughbreds can calculate to a fraction that selling his produce outside the racecourse by the standard of the exterior alone will not pay for its rearing, nor original cost and keep of the brood mares, covering fees, &c. If he had no other means of disposing advantageously of his produce, he would find himself placed in the alternative, either to breed from cheap, and, therefore, indifferent material, at a rate of expense not exceeding that of a half-bred stud, producing consequently inferior animals, never subjected

to public trials, or to give up breeding altogether. Of the two, he would certainly do better to choose the latter; for, by following the former plan, he would find himself needlessly restricted in the choice of brood mares and sires, and, after all, produce animals, the only difference between which and half-breds would consist in inferior size and lack of substance.

He who would breed thoroughbreds on rational principles, and knows how to calculate, is forced to look for a better return for the capital invested than the every-day market affords. This he will find only on the racecourse, without which the production of thoroughbreds would be aimless, because it offers the only possible public trial on which the whole principle is based.

To sum up, I say :

The breeding of thoroughbreds to suit the ever-changing fashion as to exterior, without regard to highly tried capabilities, I look upon as an absurdity—in that case it would be preferable to turn one's attention to the better classes of the half-bred—but within the acknowledged best strains of blood I should by no means neglect, if only on patriotic grounds, the exterior, for in the production of our half-breds it has become an absolute necessity to use thoroughbred stallions, not only with performances of a high order, but also that our cavalry horses may answer certain conditions and forms about make and shape laid down in order to prevent their deterioration. The term of so-called faultlessness, however, is not to be taken in so strict a sense, when used in conjunction with the tried thoroughbred, as when applied to the untried half-bred.

In the former, every deviation from the true shape is rendered more distinct by the exertions inseparable from the training ground and the racecourse, and, by the tension or straining of the sinews, muscles and tendons, even

develops into a visible defect. In the half-bred stallion the disposition to the same imperfection slumbers perhaps still nearer the surface, and would scarcely allow him to pride himself on his cheaply acquired freedom from blemish, if he were ever compelled to leave his *dolce far niente* and undergo severe trials.

My opinion as to the relative value of true shape and performances in the choice of a stallion to breed from, that is, what percentage of the one might be sacrificed to the other, may, not inaptly I believe, in figures be thus expressed :

I require in the sire, intended for the production of thoroughbreds, for every per cent. less performance three per cent. more exterior—the form, however, should never be less than good second class ; for that of half-breds I reverse the proportion, and give for every per cent. exterior three per cent. performance. To breed racehorses from a stallion who himself did not belong to the first or second class on the turf is imprudent, for the instances of an inferior stallion producing a superior racehorse are of such very rare occurrence—this used to be tried, not without success, most frequently in France, but has latterly there also begun to bear bad fruit—that the numerous fruitless experiments which must be made before that one is found would in all likelihood swallow a fortune.

Now, taken into consideration that England, for instance, produces every year a thousand thoroughbred colts, and of that number not more than one or two develop into racehorses of the first class, and perhaps two or three of a second class, good enough to breed thoroughbreds from ; considered further, how lenient the English breeder is with regard to certain imperfections of shape which, in Germany, would condemn the horse at once, and that, on the other hand, the, in England, acknowledged very best stallions are

scarcely ever for sale, it may be readily understood how difficult it is to acquire a stallion of the first class adapted to the production of thoroughbreds, and if first rate form and undeniable pedigree be strictly adhered to, how necessary it is sometimes to be more indulgent with regard to the exterior than under other circumstances inclination would admit.

Our German public knows nought of such difficulties, and requires that the thoroughbred stallion of the first class, besides form and quality, be possessed of the power and truth of shape of the half-bred, and the action of the Arab. The good people forget that everything in the world has its limits, and that Nature herself is impotent, when asked to produce an animal of the strength of the elephant with the agility of the gazelle.

It is difficult and requires much local knowledge to buy sound mares of the best strains of blood and some public form or proved excellence at the stud, yet is their number not nearly so narrowly limited as that of sires. It is therefore advisable, in the choice of mares, to be more rigorous with regard to make and shape, else the thoroughbred will scarcely fulfil its mission—the production of capable half-bred stallions, answering the conditions which the breeders of such and of cavalry horses are justified in making.

The realisation of this purpose by judicious mating of sire and dam is materially facilitated, if the breeder is not only familiar with the peculiarities of the families from which they are descended, but also has known them during their racing career. The impression received on the race-course of the horse in the height of condition is with greater truth reflected in its immediate descendants, than that which is derived from the same animal when at the stud. In the former case nothing is hidden by superfluous flesh, and every imperfection of shape is rendered more

conspicuous, when every muscle, sinew, and tendon is braced by hard work.

It may, perhaps, not be out of place here to express my views on the, of late years, steadily increasing disorder of roaring.

I have observed that in the English thoroughbred the growth of this defect has kept pace with the increase of two-year-old racing, especially in early spring, and consequent thereon with the increase of studs breeding for sale.

This may appear strange, but is easily explained. Racing at so tender an age requires early developed yearlings; those studs, however, can flourish only when keeping that requisite in view, for experience teaches that a yearling which promises to win back his purchase-money within eight or ten months, will command a much higher price than one whose usefulness will probably not begin before his third year. The consequence is that they force their produce like asparagus in a hot-bed, in order to bring them up for sale as big as it is possible to get them. Such only find ready customers, and the assumption by a discriminating public, that all such breeders act on the same principle, more especially those who affirm the contrary, totally depreciates the less developed yearlings, for the purchaser believes—and generally his surmise is not without justification—that with them also the forcing process has been tried, but tried in vain. Thus, every stud owner breeding for sale is compelled to adopt the pernicious practice, and, in the end, the home breeder will have to follow the fashion.

That to yearlings, unnaturally forced in their development, the early training brings more danger than to those reared in a natural, and, therefore, more healthy manner—hence smaller and less gross—is self-evident. Their puffed-out organs of respiration especially are affected by the keen

atmosphere in autumn and winter, during which their first training takes place, and, consequently, rendered more prone to inflammation. If the constitutional weakness, from which originates the inclination to morbid affections of the respiratory organs through irrational rearing is continued from generation to generation, the predisposition to roaring ultimately becomes hereditary.

Most frequent, naturally, are these symptoms of disorder in descendants from stallions from whom they inherit the attribute of quick growth, for they are the first taken into training.

It is equally natural that young horses with long necks turn roarers sooner than short-necked ones; for if through each of two tubes of the same width, but of different length, a certain quantity of air shall pass in exactly the same space of time, it follows with mathematical certainty that, in the longer tube, the current must be forced through at a quicker rate, and, consequently, affect the sides and valves in a higher degree than in the shorter. It is, moreover, a well-known fact in human physiology, that long necks incline more to diseases of the larynx than others.

English breeders do not, however, on account of the predominating number of short races which may be won by a roarer, hesitate to use stallions thus afflicted at the stud. I believe that, if the system were changed, two-year-old racing abolished, and the distances to be run over generally lengthened, throat diseases would gradually diminish, though not at the same ratio in which they have for the last thirty years increased.

I am, however, no advocate of so radical a measure as the abolishment of two-year-old races, which for many reasons could not be carried out without any detriment to racing at large; I am only at a loss how to check in any other way the fattening process yearlings are forced to

undergo, and the too early and too frequent racing of two-year-olds.

It will, no doubt, be argued, that there are many roarers to be found in France, although in that country two-year-olds do not run before the 1st of August, and the distances in races for horses above that age are twice as long as in England. It is true there are a good many roarers in France *now*, but the disease was imported from England, and has spread with the greatly enhanced prices of yearlings, caused by the vast increase in the demand for racing material.

Based on and caused by the rapid growth of racing in France, a great number of studs, principally breeding for the yearlings market, have sprung into existence, carrying on wholesale production by means of unsound mares, imported from England by the dozen at 50*l.* a piece and even less. Twenty years ago there were scarcely any roarers in France, but also no studs breeding for sale.

I am well aware that at present many public breeders may point to certain private studs, producing as many roarers as themselves or more. But I think this does not much shake my argument. No doubt a certain number of select studs breeding first-class yearlings for sale, as for instance the Blankney stud and some others, contribute just as much to the improvement of the breed as the best private studs; but what I mean to say is, that the overgrowth of public studs, in comparison to home breeding, softens the thoroughbred race, through using too much weak, unsound, and altogether inferior material for the reproduction, and through forcing the foals too much with a view to the yearling market.

CHAPTER II.

IN-BREEDING—OUT-CROSSING.

I HAVE promised elsewhere to explain my views on the advantages or disadvantages of in-breeding with regard to the breed of racehorses, and will now proceed to do so. It is much to be regretted that our writers on zoology have not, instead of sheep, pigs, cattle, or cart horses, chosen the thoroughbred horse as the basis of their investigations in that direction.

According to my idea, no species of animal creation is so specially adapted for that purpose, for here incontestable facts and the accumulated statistics of the racing calendar collected during a space of more than one hundred and seventy years, are available as incontrovertible evidence, whereas in the breeding spheres selected and treated on by the zoologists, much must naturally depend on personal opinion, unreliable information, statements copied from other authors, or similar unsupported assertions.

The origin of the English thoroughbred is carried back to three Oriental ancestors, viz., the Byerly Turk, the Darley Arabian, and the Godolphin Arabian. It is a universally recognised maxim to count all living stud horses as belonging to those families from which they descend in a direct male line, the maternal descent being a matter of secondary consideration. It is manifest that this classification should not in all cases be a criterion, for a horse may have in its veins, through the dams, double the quantity of blood from their families to that which is derived from

the male descent of its sire, and yet is considered to belong to the family of the latter.

If, however, the object is to gain a general view of the whole breed, and especially of those families which in course of time have proved most successful, and to follow up their origin to the beginning of the last century, nothing remains but to classify them according to their male ancestors, the female descent offering not nearly so clear a perspective.

In order to afford a more comprehensive view of the whole subject, I have, as a special supplement, added thirteen tables, of which the first three reach to the middle of the nineteenth century, and the following ten show the progeny of those stallions whose male descendants at the present time rank foremost at the stud, and appear destined in coming generations to form the corner-stones of the race. As such they will probably suffice future breeders as points of departure in the framing of pedigrees.

These compilations show that the family of the Darley Arabian, or rather that of Eclipse, largely predominates, especially in England, over the other two.

The family which claims the Byerly Turk for its ancestor, with his three great descendants, Wild Dayrell, The Flying Dutchman, and Partisan, at present exercises less influence on the breed in England than in other countries.

Wild Dayrell's most eminent son, Buccaneer, was carried off to Hungary after having produced in England, besides several prominent mares—amongst them two winners of the Oaks—only Paul Jones and See Saw. Hungary in her turn, however, had to witness the expatriation of Buccaneer's most celebrated scion, Kisber, to the land of his ancestors.

The Flying Dutchman went to France and there got

his two best sons, Dollar and Dutch Skater, of which two the latter, at present serving at the stud in England, seems to be the less valuable, since, with the exception of *Insulaire* and *Dutch Oven*, he has, as yet, produced nothing of note.

Partisan's most famous son, *Gladiator*, also fell to the share of France, where he got a great number of excellent mares—amongst others *Gladiateur's* dam, and, especially through founding the *Fitz Gladiator* family, acquired lasting merit. Fortunately for England he bequeathed to her in *Sweetmeat* a pillar of the breed, and in *Queen Mary*—the dam of *Haricot*, *Blooming Heather*, *Blink Bonny*—the mother of a family of heroes.

Besides these England has kept nothing prominent of Partisan's progeny; neither *Kingston*, nor his two most noteworthy sons, *Ely* and *Caractacus*, having realised at the stud what they promised on the turf. The Derby winner of 1862 was later on exported to Russia.

Glaucus's line is represented by *The Nabob's* sons only, of which England possessed *Nutbourne* alone; while France got *Suzerain* and *Vermout*, with his sons, *Boïard* and *Perplexe*, and *Austria*, *Bois Roussel*. America, too, has owned in a lineal descendant from the *Byerly Turk*, *Lexington*, one of her most successful sires.

The *Godolphin Arabian* in our days is, properly speaking, represented by the *Melbourne* family alone, and in England threatens to become extinct in his male descendants. The most successful stallion of that clan living seems to be *Ruy Blas*; but this son of *West Australian* is in France, whither the first winner of that great treble event—or triple crown as it is called—*Two Thousand Guineas*, *Derby*, and *St. Leger* was exported. It may yet be that *Knight of the Garter*, *Plebeian*, or *Statesman* rouse themselves, and after all give to England a first-class sire of that strain of blood. For the first of the three it was, perhaps, unfortunate that

The Jewel, in foal to him, was sent abroad; yet it is questionable whether Przedswit, with his doubtful pluck, would in England have become of sufficient note to induce the breeding public to send him really good mares. The Earl, Mornington, Pell Mell, Strafford, and the brother to Strafford, appear scarcely destined to continue in coming centuries the Melbourne family.

It is a remarkable fact, that the Melbourne blood in its female descent shows to so much greater advantage than in the other sex, for which reason the family is so inadequately represented in the stallions belonging to it. In the whole stud book there is scarcely to be found a sire of better, and in their progeny more successful, mares than Melbourne (Blink Bonny, Blooming Heather, Canezou, Go-ahead, Leila, Mentmore Lass, The Slave, Stolen Moments, Sortie, The Bloomer, &c.); but of his sons, West Australian alone achieved a great reputation. With regard to him also, this superiority of the female descent holds good, as he got, besides a great number of more than useful mares, only two prominent sons, The Wizard and Ruy Blas, of whom the former, although himself a good racehorse, scarcely left any traces in Germany, the country of his adoption.

Now if we consider the question, what sort of crosses in the different strains of blood have recommended themselves as most desirable—although within the thoroughbred race there cannot, properly speaking, be any question of a cross, as understood in zoology, because the whole breed is more or less related—we naturally come to the conclusion that the breeder is involuntarily forced into breeding within close relationship by the endeavour to adhere to the families of established reputation, and within them to use for his purpose none but their most prominent members. In the commencement of the race we notice

numerous cases of incest, logically accounted for, however, by the desire to mate the then existing and not too numerous individuals of tried excellence, and thereby perpetuate that quality. In the pedigree of Eclipse (1)* even occurs a glaring instance of incest, the grand-dam of Betty Leedes, who was the great grand-dam of Eclipse, having been got by Spanker from his own dam. The more the breed developed, the less pressing grew the necessity for close relationship, but in the days of Eclipse, bred in 1764, and his immediate descendants, the need still existed to a great extent, for by the general stud book a score of horses may be proved to have been got by sons of Eclipse from daughters of the same horse, but this alliance never produced anything extraordinary. Even in the present century many cases of incestuous breeding have occurred, but very few of them have proved successful. I shall have to make some remarks on two of their number (Juliana, bred 1810, and Valentine, bred 1832) later on.

Opinions as to whether relationship in parents is advantageous, and, if so, to what degree and where it begins to be injurious, differ very much even in our own days in England.

The thoroughbred is, with regard to this subtle question, especially adapted as a field for study and experiment, because the uninterrupted trials of the produce of this or that principle in breeding are made in public, and their results, as collected in the racing statistics of one hundred and seventy years, accessible to everybody. The inference drawn will, however, frequently prove the reverse of what follows from the same investigations, when applied to the untried half-bred, where the analysis of the calculation is based on the personal opinion of the investigator.

* The figures in parenthesis denote the number of the pedigree in the appendix.

If we take, for instance, the pedigree of Friponnier (3), we find that he is the produce of uncle and niece, consequently of very close in-breeding. Friponnier, although the fastest horse of his day, proved himself a failure as a sire of racehorses, because he wanted the individual power to transfer his racing qualities to his descendants. He is, therefore, quoted as a warning example of too close in-breeding in thoroughbreds. He then was sent to a half-bred stud in Germany, and there has unquestionably proved a great success. Writers on zoology, unfamiliar with the thoroughbred and its public trials, will therefore probably quote Friponnier as a brilliant example of that very same close relationship in the parents, on account of which he was in the first instance discarded.

But, before we enter more deeply into this matter, it is necessary to come to a clear understanding as to the meaning, with regard to the thoroughbred, of the terms: *in-breeding*, *moderate relationship*, and *out-crossing*. If they are not clearly defined, all real discussion is rendered futile. Stonehenge's disquisitions on the subject are indistinct, because not worked out on a firmly established system. If he instances Stockwell (66) and Rataplan (66) as in-bred, but Partisan (56) and Emilius (20) as out-crossed, he overlooks, that those celebrated brothers are doubly and trebly as far removed from their common ancestor on the male and female side, as the latter two from theirs. This proportion is by no means altered by the circumstance, that in Stockwell and Rataplan's pedigree Waxy occurs not twice, but three times; for even then they have only $\frac{3}{32}$ Waxy blood in their veins, whereas Partisan has $\frac{8}{32}$ and Emilius $\frac{1}{8} + \frac{1}{16} = \frac{6}{32}$ Highflyer blood.

I am of opinion, that a horse should only be termed *in-bred*, when in sum total, less than four degrees lay between its parents and their common ancestor; in other

words, when the children or grandchildren of a stallion or a mare are mated, I call their produce *in-bred*; but this term does not apply to the produce of great grandchildren of the common ancestor. We must not forget that in the pedigrees of horses the word brother or sister often means half-brother or half-sister, and that here the definition borrowed from the human family connection is not applicable.

As breeding within *moderate relationship* I reckon the mating of stallion and mare that are removed from their common ancestor four, five, or six degrees. It is indifferent whether they are on both sides equidistant from, or one of them nearer to the male or female progenitor than the other.

The English breeder of the old school was of opinion, that breeding from very closely related parents, even if possessed of the most excellent qualities, as a rule, led to disappointing results; in isolated cases, however, to the production of individual animals of quite extraordinary capabilities; and on the whole, I incline to that view myself.

More recently and in consideration of such exceptional instances, especially since Friponnier's appearance, the mating of very nearly connected stallions and mares has frequently been tried in England, but generally with the old result, that is, abundant failures, but also a few eminent exceptions, like Galopin and Petrarch.

As a matter of course follows the important question as to the individual productive power of such in-bred stallions. The current which in England set in the direction of in-breeding, naturally caused a strong counter-current, in its turn in many cases rejecting for breeding purposes, as in-bred, stallions that, in my opinion, come not within the meaning of the term.

In order to gain a clear insight into the matter, let us classify the stallions renowned on the turf and afterwards used for stud purposes, according to the degree of relationship existing between their parents; and then inquire which degree has furnished the best results as to power of reproduction.

I believe myself to be tolerably at home in the Racing Calendar and the Stud Book, yet it is possible I may have overlooked some pertinent instances. If so, I shall be glad if by the following compilations others interested in the subject be stimulated, in furtherance of the good cause we serve, to supplement or to refute what I have written.

A produce of brother and sister, or half-brother and half-sister not being available amongst renowned stallions, I shall begin with those whose parents are only *one* clear degree removed from their common ancestor, male or female. Of such I have been able to find but four, viz. :

1. Knight of St. George (2)... in-bred to Sir Hercules.
2. Orest (4) ,, Touchstone.
3. Friponnier (3) ,, Orlando.
4. The Miner (5) ,, Birdcatcher.

Two degrees removed are the parents of

1. Partisan (56)..... in-bred to Highflyer.
2. Priam (7) ,, Whiskey.
3. Humphrey Clinker (9)..... ,, Sir Peter.
4. Election (78)..... ,, Herod.
5. The Saddler (10) ,, Waxy.
6. Sleight of Hand (13) } Own
7. The Drone (13) } brothers } ,, Peruvian.
8. Van Amburgh (13) }
9. Pericles (11)* ,, Highflyer.
10. Brutandorf (39)..... ,, Pot-8-os.
11. Blue Gown (8) ,, Touchstone.
12. Galopin (12)..... ,, Voltaire.
13. Lowlander (15)..... ,, Pantaloon.
14. Petrarch (14)..... ,, Touchstone.

* Pericles has 4-16ths each of Highflyer and Herod blood.

Three degrees removed are the parents of

1.	Orlando (44).....	in-bred to	Selim.
2.	The Flying Dutchman (19)	„	Selim.
3.	Emilius (20)	„	Highflyer.
4.	Weatherbit (18)	„	Orville.
5.	Buccaneer (22).....	„	Edmund by Orville.
6.	Tramp (21)	„	Eclipse.
7.	Blacklock (37)	„	Highflyer.
8.	Epirus (58)	„	Sir Peter.
9.	Cotherstone (28)	„	Waxy and Penelope.
10.	Chatham (16)	„	Waxy and Penelope.
11.	Oulston (24)	„	Cervantes.
12.	Elthiron (25)	} Own } } brothers }	„ Peruvian.
13.	Windhound (25)		
14.	Hobbie Noble (25)		
15.	The Reiver (25)		
16.	Argonaut (31)	„	Sir Hercules.
17.	Macgregor (30).....	„	Banter.
18.	Knight of the Garter (48)	„	Camel.
19.	Pero Gomez (101)	„	Lady Moore Carew.
20.	Dalham (29)*	„	Touchstone.
21.	Isonomy (26)	„	Birdcatcher.
22.	Silvio (27).....	„	Birdcatcher.

Four degrees removed are the parents of

1.	Sweetmeat (32) † ...	on both sides goes back to	Prunella.
2.	The Baron (33)	„	„
3.	Bay Middleton (34)...	„	„
4.	Sultan (35)	„	„
5.	Pantaloon (36).....	„	„
6.	Lanercost (38).....	„	„
7.	Plenipotentiary (55)...	„	„
8.	Melbourne (9).....	„	„
9.	Flatcatcher (40) { Bro. to } { Phryne }	„	„
10.	Wild Dayrell (41) ...	„	„
11.	Cambuscan (42)	„	„

* Dalham's dam (Gertrude) also is three times removed from Touchstone, so that 1-32nd of the same blood must be added.

† Sweetmeat's pedigree is doubtful, inasmuch as his dam Lollypop is put down to two sires. She is, however, generally believed to be, not by Voltaire, but by Starch.

‡ To whose sire, Highflyer, both parents of Plenipotentiary, Emilius and Harriet are in-bred.

12.	The Palmer (43)	} Own } } brothers }	on both sides go back to Priam.	
13.	Rosicrucian (43)			
14.	Trumpeter (44)*	.....	„	goes Selim.
15.	Marsyas (45)	.....	„	„ Waxy.
16.	Economist (46)	.....	„	„ {Eclipse and Herod.
17.	Sir Hercules (47)	.....	„	„ Eclipse.
18.	Liverpool (38)	.....	„	„ Eclipse.
19.	Adventurer (81)	.....	„	„ Orville.
20.	Hermit (75)	.....	„	„ Camel.
21.	Przedswit (48)	.....	„	„ Marpessa.

Five degrees removed are the parents of

1.	Touchstone (49)	.....	on both sides goes back to Eclipse.	
2.	Voltaire (50)	.....	„	„ Highflyer.†
3.	Voltigeur (50)	} ‡ ...	„	go Hambletonian.
4.	Barnton (50)			
5.	Newminster (93)	.....	„	goes {Trumpator and Beningbro'.
6.	Van Tromp (51)	.....	„	„ Buzzard.
7.	Defence (52)	.....	„	„ {Eclipse and Highflyer.
8.	Alarm (6)	.....	„	„ {Sir Peter and Prunella.
9.	Ion (41)	.....	„	„ Sir Peter.
10.	King Tom (79)	.....	„	„ Waxy.
11.	Saunterer (53)	.....	„	„ {Waxy and Penelope.
12.	Paragone (67)	.....	„	„ Orville.
13.	Andover (54)§	.....	„	„ Buzzard and Waxy.
14.	Venison (56)	.....	„	„ Eclipse.
15.	Velocipede (56)	.....	„	„ {Pot-8-os and Highflyer.
16.	Pyrrhus the First (58)	.....	„	„ Buzzard.
17.	Harkaway (46)	.....	„	„ Pot-8-os.
18.	Cowl (59)	.....	„	„ Whiskey.
19.	Cossack (103)	.....	„	„ {Sorcerer, Stamford, and Y. Giantess.

* His sire, Orlando, already being in-bred to the same horse, Trumpeter has five-thirty-seconds Selim blood.

† To whom Voltaire's sire, Blacklock, is in-bred.

‡ Own brothers and sons of the foregoing. The third brother, Vortex, was too inferior a racehorse to be mentioned here.

§ His dam being in-bred to Waxy, Andover has only three-thirty-seconds Buzzard blood, but four-thirty-seconds Waxy blood.

20.	Kingston (60)	on both sides goes back to	Sir Peter.
21.	Scottish Chief (99) ...	”	Orville.
22.	Flibustier (22)	”	Tramp.
23.	Sterling (61)	”	Whalebone.
24.	Chamant (63)	”	Emilius.
25.	Robert the Devil (64)	”	{ Touchstone and Birdcatcher.

Six degrees removed are the parents of

1.	Irish Birdcatcher (53)	on both sides goes back to	Eclipse.
2.	West Australian (65)	”	Trumpator.
3.	Stockwell (66) }	Own }	{ Waxy and Penelope.
4.	Rataplan (66) }	brothers }	
5.	St. Albans (68) }	Own }	Whalebone.
6.	Savernake (68) }	brothers }	
7.	Macaroni (69)	”	Sir Peter.
8.	The Duke (70)	”	Whalebone.*
9.	Lord Lyon (72)	”	Whalebone.
10.	Blair Athol (71) }	Own }	Whalebone.
11.	Breadalbane (71) }	brothers }	
12.	Favonius (74)	”	Whisker.
13.	Rustic (82)	”	Whalebone.
14.	Lambton (102)	”	Whiskey.
15.	Ely (104)	”	Sorcerer.
16.	Wenlock (100)	”	Whalebone.
17.	Kisber (76)	”	Sultan.
18.	Lollypop (73)	”	Whalebone.

The stallions of high importance to the breed, left after the enumeration of the foregoing six categories, that is, whose parents are distant from the common ancestor more than six degrees, are, on closer inspection, comparatively few in number, and of those remaining many, as, for instance, Lord Clifden (77), Teddington (78), See Saw (105), George Frederick (80), Albert Victor (80), &c., cannot, in the descent of their parents, show more than seven clear removes. It follows, therefore, that nearly all stallions of eminence in England, which in this case means the whole of Europe, are the results of breeding within more or less distant relationship. The aim of our investi-

* To whom The Duke's dam also on both sides traces back.

gations will thus be less to ascertain whether relationship in breeding be at all desirable, than to define the limits within which it operates advantageously.

We shall be materially assisted in the attainment of our purpose by subjecting, in their several categories, the stallions named to an impartial critic, although I cannot disguise from myself the difficulty of doing so without meeting with opposition to my estimation of their relative worth.

Of the four stallions in the *first category*, we know that Friponnier at the stud did not realise the expectations entertained of him. The St. Leger winner, Knight of St. George's best performance as a sire was the getting of Knight of St. Patrick with a mare like Pocahontas, whose produce with many other stallions with whom she was mated proved to be superior to him. Knight of St. George was subsequently sold to America, where he was not more fortunate than at home. Orest, in consequence of an accident, never trod the turf; his class as a racehorse, therefore, cannot be determined. He got, however, a number of horses of a certain amount of medium racing form, and may, in consideration thereof, be classed as a successful sire. The Miner, Blair Athol's whilom conqueror at York, turned out rather insignificant at the stud, his paternity to Controversy being doubtful.

The *second category* is composed of fourteen stallions, amongst whom Partisan, as sire of Gladiator, Venison, and Glaucus, stands forth in such bold relief, that his value as a progenitor is above question.

Priam, even if he left no immediate male descendant of eminence, as sire of Crucifix and such useful matrons as Miss Letty, Annette, Dolphin, &c., deserves to be rated as a successful stallion.

Humphrey Clinker's claims to recognition principally

rest on his paternity to Melbourne, but in consideration of the latter's worth, his merits must be deemed sufficient.

The Saddler and Brutandorf are of about equal value ; the former's pretensions are, in a measure, justified by The Provost, while the latter's are based on Physician, whose sons, The Cure, and especially Blackdrop, merited the esteem in which they were held ; the latter in Germany.

Election can scarcely be said to rank very high as a progenitor, nor has Sleight of Hand sired any racehorse of the first class. His paternity to several good mares, like Lady Elizabeth (dam of Stolen Moments), Legerdemain (dam of Adonis and Wimbledon) alone, does not entitle him to be ranked amongst the successful sires, and still less do his two full brothers, The Drone and Van Amburgh, deserve a place in that select company.

Pericles' solitary claim to consideration consists in having got Harriet (Plenipotentiary's dam), but that is not sufficient.

Blue Gown's career as a sire cannot be said quite finished, since, although himself at the bottom of the sea, his last direct descendants have not yet appeared on the turf. Of his sons, Vitus and Blue Rock, good performers in Germany, should be mentioned ; on the whole, however, I believe, by discarding him from the list of shining lights at the stud, I express the opinion of English breeders and owners of racehorses.

Galopin, Lowlander, and Petrarch are still on their trial ; I shall follow their stud career, as being of paramount interest with regard to the question of in-breeding, with the greatest attention.

The *third category* contains twenty-two stallions, of whom Orlando, The Flying Dutchman, Emilius, Weather-bit, Buccaneer, Blacklock, and Tramp, may be said to be of indisputable pre-eminence.

Epirus, although supported by Ephesus and the Derby winner Pyrrhus the First only, will, on their account, pass muster; likewise Pero Gomez, who, as sire of Peregrine, winner of the Two Thousand Guineas, and a great number of other useful horses, deserves credit.

Knight of the Garter, albeit for the present not largely patronised, must, as the sire of Przedswit and many very serviceable horses, be reckoned as a successful stallion.

Of the four, although not very famous brothers: Windhound, Elthiron, Hobbie Noble, and The Reiver, the first, as the probable father of the Derby winner Thormanby, is entitled to a certain amount of recognition; the second has made himself in France, if not celebrated, at least useful; the last two, however, are decided failures.

Cotherstone, Chatham, Oulston, and Argonaut have not attained eminence at the stud, which is the more surprising with regard to Cotherstone, the winner of the Two Thousand Guineas and the Derby in 1843, as he was one of the most successful racehorses that ever trod the turf.

Macgregor appears to be unable to produce a horse of note.

Dalham, Isonomy, and Silvio are still in the commencement of their stud career; Isonomy, however, possessed such exceptional merit as a racehorse, that of his future the highest expectations seem justified.

The *fourth category* embraces twenty-one stallions, to whom no exception can be taken on the score of shortcomings at the stud, though perhaps Plenipotentiary's name may have a better sound than in reality it deserves.

Economist's chances were but few, yet as Harkaway's sire he has just claims to our respect.

Lanercost (sire of Van Tromp) and Flatcatcher have produced a great number of good mares; to the others no

objections will, presumably, be raised ; their names speak for themselves.

Przedswit alone has as yet had no opportunity to prove himself in his progeny. It may be urged against him, that he is the only horse of note his dam ever produced, yet his descent on both sides from that inexhaustible source of excellence, Marpessa, through two such brilliant channels as Pocahontas and Boarding School Miss, should justify great expectations.

In the *fifth category* there are twenty-five stallions, of whom Chamant and Robert the Devil are too young at the stud to be fairly judged. Of the other twenty-three I can point to Cossack and Andover alone as decided failures, even if the latter produced some useful animals like Cramon. It did not, however, require much individual power on the part of the stallion, when mated with a mare like Haricot. Nor has Barnton, although the sire of Fandango and Ben Webster, on the whole, been of much use at the stud, for which reason I hesitate to place him on the list of successful sires.

In England, Van Tromp has not made for himself a great name, he has, however, done better in Russia.

Venison has produced Alarm and Kingston. Paragone is difficult to classify, but his daughter, Paradigm (dam of Lord Lyon and Achievement), and the success he had in Germany, secure him an honourable place.

Defence, Pyrrhus the First, and Cowl have made their mark by producing good brood mares, and Alarm, though not having sired any very prominent horses, got many useful animals. The rest, viz., Touchstone, Melbourne, Voltaire, Voltigeur, Ion, Saunterer, Newminster, Velocipede, Harkaway, Kingston, Scottish Chief, Flibustier, and Sterling, are above discussion.

The *sixth and last category* comprises eighteen stallions,

of whom Kisber and Lollypop have been too recently transferred to the stud to allow of their merits as stallions being considered.

The reputations of The Duke (sire of Bertram, and consequently grandsire of Robert the Devil), Lord Lyon, Favonius, and Wenlock, may not be sufficiently established, yet should I let three of their number pass as successful.

Breadalbane gets handsome horses ; his stock, however, with few exceptions, suffer from too great an excitability of temper to bear severe training. To produce racehorses I should, therefore, not rank him amongst the sires with incontestable claims to recognition.

Ely is a dead failure at the stud ; the rest, viz., Bird-catcher, West Australian, Stockwell, Rataplan, Savernake, St. Albans, Macaroni, Blair Athol, and Lambton must be accepted as of undoubted excellence, a certificate of merit I should like to extend to Rustic, in consideration of the manner in which he has availed himself of the few chances offered him.

By summing up the foregoing remarks in shape of a comparative table of the successful stallions in their several categories, we arrive at the following result :

Category.	Number of Stallions in same.	Successful.	Too Young at the Stud.
With parents one degree removed	4	1(?)	—
" " two degrees " 	14	4	3
" " three " " 	22	12(?)	3
" " four " " 	21	20	1
" " five " " 	25	20	2
" " six " " 	18	13	2

The proportion, accordingly, appears most favourable in the fourth, and, next to it, about equal in the fifth and

sixth categories; on the whole, therefore, in those three, embracing the produces of moderate relationship; and thence, in the direction of in-breeding, gradually but strikingly lessening. It will, besides, be well to bear in mind that in the third category of the twelve stallions classed as successful, several, like Elthron and Windhound, are rather doubtful.

From all this it would seem advisable to place most reliance on those stallions, who, *cæteris paribus*, are descended from parents of moderate relationship; at the same time to be mindful, however, whether in former generations of their pedigree the same strains of blood have already met, in which case the in-breeding would thereby be increased. We thus arrive at the conclusion, that stallions of that degree of affinity in their parents, perhaps with the addition of a category with seven clear removes, are preferable to those who are in-bred or out-crossed. I, at least, should be at a loss to furnish from all the remaining stallions in the stud book, so stately a list as is comprised in the fourth, fifth, and sixth categories. That the degree of relationship alone is insufficient, when kindred strains of blood are united for the purpose of begetting high individual potency, is self-evident; that end can only be attained by using within the chosen families their most prominent members.

Almost insurmountable difficulties would be encountered in the attempt to compile similar tables for mares; their number is too great to admit of the possibility of arriving at anything like reliable comparative figures. We must, therefore, confine ourselves to a review of the celebrated matrons and see, whether among them exist many cases of in-breeding, or whether in their sex also the value for stud purposes appears impaired by too close a relationship of their parents.

Of mares that owe their existence to *incestuous* breeding, I could find but two that have proved at all successful at the stud, that is to say, have bred winners of big races, viz. :

1. Juliana (23), dam of the St. Leger winner Matilda, bred 1810, by Gohanna from Platina, both being by Mercury, son of Eclipse. What renders this case still more remarkable is, that both parents of Juliana were out of Herod mares, consequently nearly own brother and sister.
2. Valentine (106), dam of the Doncaster Cup winner War Eagle, bred 1832, by Voltaire with his half sister Fisher Lass, both being out of the same mare, bred 1816, by Phantom out of an Overton mare.

Of celebrated mares, whose parents were altogether not more than *once* removed from their common ancestor, we notice six :

1. Miss Letty (18), daughter of Priam, who is strongly in-bred to Whiskey; herself in-bred to Orville (dam of Weatherbit).
2. Knowsley's (94) and General Peel's dam, in-bred to Camel.
3. Palma (81), in-bred to Orville (dam of Adventurer).
4. The Jewel (48), in-bred to Birdcatcher (dam of Przedswit).
5. Mandragora (5), in-bred to Birdcatcher (dam of Mandrake, Agility, Apology, &c.).
6. Mineral (5), own sister to the foregoing (dam of Wenlock, Schwindler, Kisbér).

The extraordinary success at the stud of Mandragora and Mineral is the more noteworthy, as their own brother,

The Miner, although himself a much better racehorse, has been of little use as a sire.

With parents, *twice* removed from their common ancestor, we find a greater number of mares of tried excellence, especially :

1. Marpessa (66), in-bred to Whiskey (dam of Pocahontas, Boarding School Miss, and Jeremy Diddler).
2. Idalia (36), in-bred to Highflyer (dam of Pantaloon).
3. Necklace (83), in-bred to Emilius (dam of Macgregor).
4. Isoline (84), in-bred to Sir Hercules (dam of Isola Bella, Isonomy's dam, St. Christophe, and Braconnier).
5. The winner of the Oaks, Feu de Joie (85), in-bred to Touchstone (dam of Allumette, Hallate, &c.).
6. Veilchen (86), in-bred to Touchstone (dam of Vergissmeinnicht, dam of Wer Weiss, Wunderhorn, Walhalla, F. F. Walpurgis).
7. Bay Celia (70), in-bred to Camel (dam of The Earl and The Duke).
8. Elphine (102), in-bred to Beningbro' (dam of Lambton and Warlock).
9. Finesse (13), in-bred to Highflyer (dam of Decoy).
10. Decoy (40), in-bred to Sir Peter (dam of The Drone, Sleight of Hand, Van Amburgh, Legerdemain, Phryne, Flatcatcher).
11. Legerdemain (13), in-bred to Peruvian (dam of Toxophilite).

The latter instance is particularly remarkable, as it seems to corroborate the evidence of Mandragora, Mineral, and The Miner that in-breeding in mares does not influence individual potency in an equally unfavourable degree as in stallions.

Legerdemain is own sister to Sleight of Hand, The Drone, and Van Amburgh, who proved themselves inferior or useless at the stud; she herself, on the contrary, produced a horse of the first class, like Toxophilite, and that, too, under very adverse circumstances. In order to prevent the frequent re-occurrence of horsing, she was covered, when not more than three years of age, by Ion, won in the month of October of the same year (1849) the Cesarewitch, slipped her foal the day after, and then remained two years longer in training—all of which certainly did not enhance her usefulness at the stud.

A young mare with but two clear removes in-bred, who proved herself a pearl of the first water on the turf, and was in 1881 winner of the One Thousand Guineas and Oaks :

12. Thebais (97), in-bred to Touchstone.

. *Three* clear removes in the descent from their common ancestor show among others the parents of :

1. Vulture (44); in-bred to Buzzard (dam of Orlando).
2. Peri (47), in-bred to Eclipse (dam of Sir Hercules).
3. Seclusion (87), in-bred to Sultan (dam of the Derby winner Hermit).
4. Languish (88), in-bred to Sir Peter (dam of the winner of the Oaks, Ghuznee).
5. Gruyère (74), in-bred to Waxy and Penelope (dam of Parmesan).
6. Mowerina (28), in-bred to Waxy, own sister to Cotherstone (and dam of West Australian, Go-ahead, Old Orange Girl, Baragah, and Westwick).

A similar case of in-breeding occurs here, as in Mandragora, Mineral, and Legerdemain, compared to The Miner, Sleight of Hand, The Drone, and Van Amburgh. Whereas Cotherstone, a quite exceptional horse on the

turf, proves a failure at the stud, his own sister, Mowerina, becomes one of the most celebrated matrons in the whole Stud Book. Queen Mary (71) might be mentioned here as in-bred to Whalebone, but as it is not beyond all doubt whether Moses is by Whalebone or Seymour, we had better leave her out.

With regard to future breeding results, it may be of interest to state that that wonder of the world,

7. Kincsem (95), in-bred to Slane, also belongs to this category of in-bred parents, as well as
8. Bal Gal (96), in-bred to Touchstone.

Of the numerous celebrated matrons, whose parents show *four* clear removes from their common ancestor, I may mention :

1. Martha Lynn (50) on both sides traces back to Sir Peter (dam of the Derby winner 1850, Voltigeur, Vortex, Eulogy, Barnton, Maid of Hart, Vivandière).
2. Emma (89) goes back to Eclipse (dam of Mundig, winner of the Derby 1835; Cotherstone, winner of the Two Thousand Guineas and the Derby 1843; Mowerina, Lady of Silverkeld Well, &c.).
3. Snowdrop (90) goes back to Beninbro' (dam of Gemma di Vergy).
4. Canezou (91), goes back to Sorcerer (dam of Fazzolletto, Basquine, La Bossue, dam of Boiard).
5. Ghuznee (88), daughter of Languish, in-bred to the same Sir Peter, goes back to Sir Peter (dam of Meeanee, Storm, Scalade, &c.).
6. Alice Hawthorn (92), goes back to Beningbro' (dam of Thormanby, winner of the Derby 1860; Oulston, Terrona, Findon, Lady Hawthorn, Sweet Hawthorn).

7. Phryne (40) goes back to Waxy. She produced to Pantaloon: Elthiron, Windhound, Hobbie Noble, and The Reiver: to Melbourne, Rambling Katie and Blanche of Middlebie; and to The Flying Dutchman: Katherine Logie.

About the breeding combinations in respect to Phryne volumes might be written. We have seen, that of the mares showing in the descent of their parents but two removes from the common ancestor, Finesse, her daughter Decoy and grand-daughter Legerdemain, are in that strong degree in-bred to the three sires Highflyer, Sir Peter, and Peruvian, or grandfather, father and son; nevertheless, Legerdemain (13), the offspring of threefold in-breeding, when mated with a stallion of a quite different strain of blood, breeds a horse of the first class, like Toxophilite; and her dam Decoy, a produce of twofold in-breeding, with Pantaloon (from herself only twice removed), four such good animals as Sleight of Hand (13), The Drone, Van Amburgh, and Legerdemain. Fortunately, for a comparison, Decoy was also mated with Touchstone, with whom she stands (four degrees removed from Waxy) in moderate relationship, and, behold, produced Flatcatcher (40), winner of the Two Thousand Guineas and sire of numerous excellent brood mares, and Phryne, one of the most valuable pearls of the whole Stud Book. Decoy must assuredly have been a mare of enormous individual potency, to be able to produce six animals of the quality, of one description or another, of The Drone, Sleight of Hand, Van Amburgh, Legerdemain, Flatcatcher, and Phryne, but no doubt can be entertained as to the incomparably higher value of the two last, produced within moderate relationship than of the other four, the offsprings of close in-breeding.

All these investigations and comparisons seem to point,

I should say, to the fact that in-breeding in mares, even if once or twice repeated, need not render us absolutely distrustful as to their value at the stud ; that, however on the whole, the mating of the best individuals within the chosen families, moderately related, is preferable for the production of brood mares as well as stallions, because such mating within the same strains of blood may, as occasion requires, be repeated without danger, as no apprehension of thereby weakening the constitution need be entertained.

It is evident, however, that the observance of this principle, if continued *ad infinitum*, also is not without danger to the lasting prosperity of the breed, for the more frequently the mating of animals, standing to one another in even a moderate degree of kin only, is resorted to, the more will gradually become the in-breeding in the whole species of thoroughbreds, necessitating, at perhaps a not far distant period, the infusion of new blood by occasionally importing into England sires of pre-eminence from other countries.

Experience points to America as the source from which to draw in future the regenerating fluid ; for although the American thoroughbred takes its origin from England, and is still, more or less, related to its English prototype, the exterior appearance and the more recently shown superiority of American horses lead to the conclusion that the evidently favourable climate and the, to a great extent, virgin soil of America—in every respect different from ours.—gradually restore the whole nature of the horse to its pristine vigour, and make the American race appear eminently qualified to exercise an invigorating influence on the constitution of the thoroughbred in the mother country, enfeebled, perhaps, by oft repeated in-breeding.

PEDIGREES.

No. 1—106.

2 Knight of St. George 1851	Birdcatcher 1833	Sir Hercules 1826	Whalebone 1807	Waxy 1790 Penelope 1798	
			Peri 1822	Wanderer 1790 Thalestris 1809	
	Maltese 1845	Hetman Platoff 1836	Brutandorf 1821 Daughter of 1820	Bob Booty 1804	Chanticleer 1787 Jerne 1790
				Flight 1809	Escape 1802 Y. Heroine
	Waterwitch 1845	Sir Hercules 1826	Mary Anne	Whalebone 1807 Peri 1822	Blacklock 1814 Mandane 1800
				Waxy Pope 1806 Witch 1807	Comus 1809 Marciana 1809
3 Friponnier 1804	Chevalier d'Industrie 1845	Orlando 1841	Touchstone 1831	Camel 1822 Banter 1826	
			Vulture 1833	Langar 1817 Kite 1821	
	Industry 1835	Priam 1827 Arachne	Emilius 1820 Cressida 1807	Filho da Puta 1812 Treasure	
			Orlando 1841	Touchstone 1831 Vulture 1833	
	Tension 1858	Teddington 1848	Miss Twickenham 1838	Rockingham 1830 Electress 1819	
			Gladiator 1833 Daughter of 1834	Partisan 1811 Pauline 1826 Cadland 1825 Widgeon 1827	
	4 Orest 1857	Orestes	Orlando	Touchstone	Camel Banter
				Vulture	Langar Kite
Daughter of			Bay Middleton	Sultan Cobweb	
			Vitula	Voltaire Lottery mare	
Lady Louisa 1850		Touchstone	Camel	Whalebone Selim mare	
			Banter	Master Henry Boadicea	
		Daughter of	Lanercost	Liverpool Otis	
			Caroline	Whisker Gibside Fairy	
5 The Miner Brother to Mandragora and Mineral 1861	Rataplan 1850	The Baron 1842	Birdcatcher 1833	Sir Hercules 1826 Guiccioli 1823	
			Echidna 1838	Economist 1825 Miss Pratt 1825	
		Pocahontas 1837	Glencoe 1831	Sultan 1816 Trampoline 1825	
			Marpessa 1830	Muley 1810 Clare 1824	
	Manganese 1853	Birdcatcher 1833	Sir Hercules 1826	Whalebone 1807 Peri 1822	
			Guiccioli 1823	Bob Booty 1804 Flight 1809	
		Moonbeam 1838	Tomboy 1829	Jerry 1821 Ardrossan mare 1817	
			Lunatic 1818	Prime Minister Maniac	

6	Alarm 1842	Venison 1833	Partisan 1811	Walton 1799	Sir Peter 1784	Highflyer Papillon
					Arethusa 1792	Dungannon Prophet mare
				Parasol 1800	Pot-8-os 1773	Eclipse Sportsmistress
					Prunella 1788	Highflyer Promisse
			Fawn 1823	Smolenkso 1810	Sorcerer 1796	Trumpator Young Giantess
					Wowski 1797	Mentor Maria
	Southdown 1836	Defence 1824	Whalebone 1807	Waxy 1790	Pot-8-os by Eclipse Maria	
				Penelope 1798	Trumpator Prunella	
	7	Priam 1827	Emilius 1820	Orville 1799	Beningbrough 1791	King Fergus 1775 Herod mare 1780
					Evelina 1791	Highflyer 1774 Termagant 1772
				Emily 1810	Stamford 1794	Sir Peter 1784 Horatia 1778
					Daughter of 1799	Whiskey 1789 Grey Dorimant 1781
Cressida 1807			Whiskey 1789	Saltram 1780	Eclipse 1764 Virago 1764	
				Calash 1775	Herod 1758 Teresa 1767	
8	Blue Gown 1865	Beadsman 1855	Weatherbit 1842	Sheet Anchor 1832	Lottery 1820 Morgiana 1820	
				Miss Letty 1834	Priam 1827 Miss Fanny's dam 1815	
			Mendicant 1843	Couchstone 1831	Camel 1822 Banter 1826	
				Lady Moore Carew 1830	Tramp 1810 Kite 1821	
		Bas Bleu 1858	Stockwell 1849	The Baron 1842	Birdcatcher 1833 Echidna 1838	
				Pocahontas 1837	Glencoe 1831 Marpessa 1830	
Feltona 1819	X Y Z 1808	Haphazard 1797	Sir Peter Miss Hervey			
		Daughter of 1793	Spadille Sylvia			
Janetta 1803	Beningbrough 1791	King Fergus Herod mare	King Fergus 1775 Herod mare 1780			
		Daughter of 1797	Drone Contessina			
Y. Giantess 1790	Diomed 1777	Florizel 1768 Juno's sister	Florizel 1768 Juno's sister			
		Giantess 1769	Matchem 1748 Molly Long Legs 1753			
Vexation 1845	Couchstone 1831	Camel 1822 Banter 1826	Camel 1822 Banter 1826			
		Vat 1826	Langar 1817 Wire 1811			

9	Melbourne 1834	Humphrey Clinker 1822	Comus 1809	Sorcerer 1796	Trumpator 1782 Y. Giantess 1790	Conductor Brunette Diomed Giantess	
				Houghton Lass 1801	SIR PETER 1784 Alexina 1788	Highflyer Papillon King Fergus Lardella	
			Clinkerina 1812	Clinker 1805	SIR PETER 1784 Hyale 1797	Highflyer Papillon Phenomenon Rally	
				Pewet 1786	Tandem 1773 TERMAGANT 1772	Syphon Regulus mare Tantrum Cantatrice	
			Daughter of 1825	Cervantes 1806	Don Quixote 1784	Eclipse 1764 Grecian Princess 1770	Marske Spilletta Wm.'s Forester Coalition Colt mare
					Evelina 1791	Highflyer 1774 TERMAGANT 1772	Herod Rachel Tantrum Cantatrice
	Daughter of 1818	Golumpus 1802		Gohanna 1790 Catherine 1795	Mercury Herod mare Woodpecker Camilla		
		Daughter of 1810		Paynator 1791 Zodiac's sister	Trumpator Mark Antony mare St. George Abigail		
	10	The Saddler 1828	Waverley 1817	Whalebone 1807	Harry 1790 Penelope 1798	Pot:8-os 1773 Maria 1777 Trumpator 1782 Prunella 1788	
				Margaretta 1802	Sir Peter 1784 Cracker's sister 1792	Highflyer 1774 Papillon 1769 Highflyer 1774 Nutcracker 1767	
			Castrellina 1823	Castrel 1801	Buzzard 1787 Daughter of 1790	Woodpecker 1773 Misfortune 1775 Alexander 1782 Highflyer mare	
				Daughter of 1815	Harry 1790 Bizarre 1811	Pot:8-os 1773 Maria 1777 Peruvian 1806 Violante 1802	
11		Pericles 1809	Evander 1801	Delpini 1781	Highflyer 1774 Countess 1760	HEROD Rachel Blank Rib mare	
				Caroline 1793	Phenomenon 1780 Faith 1779	HEROD Frenzy Pacolet Atalanta	
			Daughter of 1796	Precipitate 1787	Mercury 1778 Daughter of 1779	Eclipse Tartar mare HEROD Maiden	
				Osprey's sister	Highflyer 1774 Daughter of 1774	HEROD Rachel Snap Orford-Barb mare	

12 Galopin 1872	Vedette 1857	Voltigeur 1847	Voltaire 1826	Blacklock 1814 Phantom mare 1816
			Martha Lynn 1837	Mulatto 1823 Leda 1824
		Daughter of 1849	Birdcatcher 1833	Sir Hercules 1826 Guiccioli 1823
			Nan Darrell 1844	Inheritor 1831 Nell 1831
	Flying Duchess 1853	The Flying Dutchman 1846	Bay Middleton 1833	Sultan 1816 Cobweb 1821
			Barbelle 1836	Sandbeck 1818 Darioletta 1822
	Merope 1841	Voltaire 1826	Blacklock 1814 Phantom mare 1816	
		Velocipede's dam 1817	Juniper 1805 Sorcerer mare 1810	
13 Sleight of Hand Own brother to Drone, Van Amburgh, Legerdemain	Pantaloon 1824	Castrel 1801	Buzzard 1787	Woodpecker 1773 Misfortune 1775
			Daughter of 1790	Alexander 1782 Highflyer mare
	Idalia 1815		Perubian 1806	Sir Peter 1784 Boudrow mare 1788
			Musidora 1804	Meteor 1783 Maid of all Work 1786
	Decoy 1830	Filho da Puta 1812	Haphazard 1797	SIR PETER 1784 Miss Hervey 1775
			Mrs. Barnet 1806	Waxy 1790 Woodpecker mare 1788
Finesse 1815		Perubian 1806	SIR PETER 1784 v. HIGHFLYER Boudrow mare 1788	
		Violante 1802	John Bull 1789 Skyscraper's sister 1788 by HIGHFLYER	
14 Petrarch 1873	Lord Clifden 1860	Newminster 1848	Touchstone 1831	Camel Banter
			Beeswing 1833	Dr. Syntax Ardrossan mare
		The Slave 1852	Melbourne 1834	Humphrey Clinker Cervantes mare
			Volley 1845	Voltaire Martha Lynn
	Laura 1860	Orlando 1841	Touchstone 1831	Camel Banter
			Vulture 1833	Langar Kite
Torment 1850		Alarm 1842	Venison Southdown	
		Daughter of 1837	Glencoe Alea	
15 Lowlander 1870	Dalesman 1863	King Tom 1851	Harkaway 1834	Economist 1825 Nabocklish mare 1823
			Pocahontas 1837	Glencoe 1831 Marpessa 1830
		Agnes 1848	Pantaloon 1824	Castrel 1801 Idalia 1815
			Black Agnes 1831	Velocipede 1825 Walton mare 1808
	Lafra 1860	Windhound 1847	Pantaloon 1824	Castrel 1801 Idalia 1815
			Phryne 1840	Touchstone 1831 Decoy 1830
Maud 1854		Loup Garou 1846	Lanercost 1835 Moonbeam 1838	
		Venilia 1834	Velocipede 1825 Charity 1824	

16 Chatham 1839	The Colonel 1825	Whisker 1812	U arry 1790	Pot-8-os 1773 Maria 1777
			P enelope 1798	Trumpator 1782 Prunella 1788
	Hester 1832	My Lady's dam 1802	Delpini 1781	Highflyer 1774 Countess 1760
			Tipplecyder 1783	King Fergus Sylvia
		Camel 1822	Whalebone 1807	U arry 1790 P enelope 1798
			Daughter of 1812	Selim 1802 Maiden 1801
	Monimia 1821	Muley 1810	Orville 1790 Eleanor 1798	
		Petworth's sister 1790	Precipitate 1787 Woodpecker mare 1787	
17 Orlando 1841	Touchstone 1831	Camel 1822	Whalebone 1807	Waxy 1790 Penelope 1798
			Daughter of 1812	S elim 1802 Maiden 1801
		Banter 1826	Master Henry 1815	Orville 1799 Miss Sophia 1805
			Boadicea 1807	Alexander 1782 Brunette 1771
	Vulture 1833	Langar 1817	S elim 1802	Buzzard 1787 Alexander mare 1790
			Daughter of 1808	Walton 1799 Y. Giantess 1790
	Kite 1821	Bustard 1813	Castrel 1801 Miss Hap 1806	
		Olympia 1815	Sir Oliver 1800 Scotilla 1795	
18 Weatherbit 1842	Sheet Anchor 1832	Lottery	Tramp	Dick Andrews Gohanna mare
			Mandane	Pot-8-os Y. Camilla
		Morgiana	Muley	O rbille Eleanor
			Miss Stephenson	Scud or Sorcerer Petworth's sister
	Miss Letty 1834	Priam	Emilius	O rbille Emily
			Cressida	Whiskey Y. Giantess
	Miss Fanny's dam	O rbille	Beningbrough Evelina	
		Daughter of	Buzzard Hornpipe	
19 The Flying Dutchman 1846	Bay Middleton 1833	Sultan	S elim	Buzzard Alexander mare
			Bacchante	Williamson's ditto Calomel's sister
		Cobweb	Phantom	Walton Julia
			Filagree	Soothsayer Web
	Barbelle 1836	Sandbeck 1818	Catton	Golumpus Lucy Gray
			Orvillina	Beningbrough Evelina
	Darioletta 1822	Amadis	Don Quixote 1784 (brother to Alexander) Fanny	
		Selima	S elim Pot-8-os mare	

20	Emilius 1820	Orville 1799	Beningbrough 1791	King Fergus 1775	Eclipse 1764 Polly 1756	
				Daughter of 1780	Herod 1758 Pyrrha 1771	
			Evelina 1791	Highflyer 1774	Herod 1758 Rachel 1750	
				Termagant 1772	Tantrum 1760 Cantatrice	
		Emily 1810	Stamford 1794	Sir Peter 1784	Highflyer 1774 Papillon 1769	
				Horatia 1778	Eclipse 1764 Countess 1760	
Daughter of 1799	Whiskey 1789 Grey Dorimant 1781	Saltram 1780 Calash 1775	Dorimant 1772 Dizzy 1757			
21	Tramp 1810	Dick Andrews 1797	Joe Andrews 1778	Eclipse 1764	Marske 1750 Spilletta 1749	
				Amaranda 1771	Omnium 1758 Cloudy 1761	
			Daughter of 1790	Highflyer 1774	Herod 1758 Rachel 1750	
				Daughter of	Cardinal Puff 1760 Tatler mare	
		Daughter of 1803	Gohanna 1790	Mercury 1778	Eclipse 1764 Old Tartar mare	
				Daughter of	Herod 1758 Maiden 1770	
			Fraxinella 1793	Trentham 1766	Sweepstakes 1749 Miss South 1750	
				Goldfinch's sister	Woodpecker 1773 Everlasting 1775	
22	Flibustier 1867	Buccaneer 1857	Wild Dayrell 1852	Ion 1835	Cain 1822	Paulowitz 1813 Paynator mare
					Margaret 1831	EDMUND 1824 Medora 1811
			Ellen Middleton	Bay Middleton	Sultan Cobweb	
				Myrrha	Malek Bessy	
			Daughter of 1841	Little Red Rover 1827	Tramp 1810	Dick Andrews Gohanna mare
					Miss Syntax	Paynator Beningbrough mare
		Eclat 1830	EDMUND 1824	Orville Emmeline		
			Squib 1820	Soothsayer Berenice		
		Sweet Katie 1861	Stockwell	The Baron	Birdcatcher	Sir Hercules Guiccioli
					Echidna	Economist Miss Pratt
			Pocahontas	Glencoe	Sultan Trampoline	
				Marpessa	Muley Clare	
		Kathleen 1847	Lanercost	Liverpool	Tramp Whisker mare	
				Otis	Bustard Election mare	
Croppy 1835	Priam Dahlia	Emilius Cressida	Phantom Waxy mare			

23	Juliana (late Lady Thigh) 1810	Gohanna 1790	Mercury 1778	Eclipse 1764	Marske 1750 Spiletta 1749
				Daughter of	Old Tartar Mogul mare
			Daughter of 1779	HEROD 1758	Tartar 1742 Cypron 1750
		Platina 1792	Mercury 1778	Eclipse 1764	Marske 1750 Spiletta 1749
				Daughter of	Old Tartar Mogul mare
			Daughter of	HEROD 1758	Tartar 1742 Cypron 1750
			Y. Hag 1761	Skim 1746 Hag 1754	
24	Oulston 1852	Melbourne 1834	Humphrey Clinker 1822	Comus 1809	Sorcerer 1796 Houghton Lass 1801
				Clinkerina 1812	Clinker 1805 Pewet 1786
			Daughter of 1825	Cerbantes 1806	Don Quixote 1784 Evelina 1791
				Daughter of 1818	Golumpus 1802 Paynator mare 1810
		Alice Hawthorn 1838	Muley Moloch 1830	Muley 1810	Orville 1799. Eleanor 1798.
				Nancy 1813	Dick Andrews Spitfire 1800
			Rebecca 1831	Lottery 1820	Tramp 1810 Mandane 1800
				Daughter of 1818	Cerbantes 1806 Anticipation 1802
25	Windhound Brother to Elthron, Hobbie Noble and The Reiver 1847	Pantaloan 1824	Castrel 1801	Buzzard 1787	Woodpecker 1773 Misfortune 1775
				Daughter of 1790	Alexander 1782 Highflyer mare
			Idalia 1815	Perubian 1806	Sir Peter 1784 Boudrow mare 1788
				Musidora 1804	Meteor 1783 Maid of all Work 1786
		Phryne 1840	Touchstone 1831	Camel 1822	Whalebone 1807 Selim mare 1812
				Banter 1826	Master Henry 1815 Boadicea 1807
			Decoy 1830	Filho da Puta 1812	Haphazard 1797 Mrs. Barnet 1806
		Finesse 1815		Perubian 1806 Violante 1802	

26	Isonomy 1875	Sterling 1868	Oxford 1857	Birdcatcher 1833	Sir Hercules	Whalebone Peri
					Guiccioli	Bob Booty Flight, by Escape
			Honey Dear 1844	Plenipotentiary	Emilius Harriet	
				My Dear	Bay Middleton Miss Letty	
		Whisper 1851	Flatcatcher 1839	Touchstone	Camel Banter	
				Decoy	Filho da Puta Finesse	
		Silence 1848	Melbourne	Humphrey Clinker Cervantes mare		
	Secret		Hornsea Solace			
	Isola Bella 1868	Stockwell 1849	The Baron 1842	Birdcatcher 1833	Sir Hercules Guiccioli	
				Echidna	Economist Miss Pratt	
		Pocahontas 1837	Glencoe	Sultan Trampoline		
			Marpessa	Muley Clare, by Marmion		
		Isoline 1860	Ethelbert 1850	Faugh-a-Ballagh	Sir Hercules Guiccioli	
				Espoir	Liverpool Esperanza	
Bassishaw 1847		Prime Warden	Cadland Zarina, by Morisco			
	Miss Whinny	Sir Hercules Euphrosyne				
27	Silvio 1874	Blair Athol 1861	Stockwell 1849	The Baron 1842	Birdcatcher 1833	Sir Hercules Guiccioli, by Bob Booty
				Echidna	Economist, by Whisker Miss Pratt, by Blacklock	
			Pocahontas 1837	Glencoe	Sultan, by Selim Trampoline, by Tramp	
				Marpessa	Muley, by Orville Clare, by Marmion	
			Blink Bonny 1854	Melbourne 1834	Humphrey Clinker	Comus, by Sorcerer Clinkerina, by Clinker
					Daughter of	Cervantes, by D. Quixote Golumpus mare
		Queen Mary 1843	Gladiator	Partisan, by Walton Pauline, by Moses		
			Daughter of	Plenipo, by Emilius Myrrha, by Whalebone		
		Silverhair 1858	Kingston 1849	Venison 1833	Partisan	Walton, by Sir Peter Parasol, by Pot-8-os
					Fawn	Smolensko, by Sorcerer Jerboa, by Gohanna
			Queen Anne 1840	Slane	Royal Oak, by Catton Orville mare	
				Garcia	Octavian, by Stripling Shuttle mare	
			England's Beauty 1850	Birdcatcher 1833	Sir Hercules	Whalebone, by Waxy Peri, by Wanderer
					Guiccioli	Bob Booty Flight, by Escape
Prairie Bird 1844	Touchstone	Camel, by Whalebone Banter, by Mastr. Henry				
	Zillah	Reveller, by Comus Morisca, by Morisco				

28	Cotherstone Own brother to Mowerina 1843	Touchstone 1831	Camel 1822	Whalebone 1807 Daughter of 1812	Harry 1790 Penelope 1798 Selim 1802 Maiden 1801
			Banter 1826	Master Henry 1815 Boadicea 1807	Orville 1799 Miss Sophia 1805 Alexander 1782 Brunette 1771
		Emma 1824	Whisker 1812	Harry 1790 Penelope 1798	Pot. 8-os 1773 Maria 1777 Trumpator 1782 Prunella 1788
			Gibside Fairy 1811	Hermes 1790 Vicissitude 1800	Mercury 1778 Rosina 1783 Pipator 1786 Beatrice 1791
29	Dalham 1871	Cathedral 1861	Newminster 1848	Couchstone 1831 Beeswing 1833	Camel 1822 Banter 1826 Dr. Syntax 1811 Ardrossan mare 1817
			Stolen Moments 1852	Melbourne 1834 Lady Elizabeth 1845	Humphrey Clinker 1822 Cervantes mare 1825 Sleight of Hand 1836 Margrave mare 1836
		Gertrude 1865	The Marquis 1859	Stockwell 1849 Cinizelli 1842	The Baron 1842 Pocahontas 1837 Couchstone 1831 Brocade 1834
			Betsy Carr 1859	Fazzoletto 1853 Pink Bonnet 1844	Orlando by Couchstone Canezou 1845 [1841] Lanercost 1835 Belinda 1825
30	Macgregor 1867	Macaroni 1860	Sweetmeat 1842	Gladiator 1833 Lollypop 1836	Partisan 1811 Pauline 1826 Starch 1819, or Voltaire Belinda 1825 [1817]
			Jocose 1843	Pantaloon 1824 Banter 1826	Castrel 1801 Peruvian mare 1815 Master Henry 1815 Boadicea 1807
		Necklace 1860	The Fallow Buck 1845	Venison 1833 Plenipotentiary's sister 1837	Partisan 1811 Fawn 1823 EMILIUS 1820 Harriet 1819
			Bracelet 1852	Touchstone 1831 Manacle 1839	Camel 1822 Banter 1826 EMILIUS 1820 Y. Maniac 1826
31	Argonaut 1859	Stockwell 1849	The Baron 1842	Birdcatcher 1833 Echidna 1838	Sir Hercules 1826 Guiccioli 1823 Economist 1825 Miss Pratt 1825
			Pocahontas 1837	Glencoe 1831 Marpessa 1830	Sultan 1816 Trampoline 1825 Muley 1810 Clare 1824
		Aphrodite 1848	Bay Middleton 1833	Sultan 1816 Cobweb 1821	Selim 1802 Bacchante 1809 Phantom 1808 Filagree 1815
			Venus 1840	Sir Hercules 1826 Echo 1828	Whalebone 1807 Peri 1822 Emilius 1820 Scud mare 1820

32 Sweetmeat 1842	Gladiator 1833	Partisan 1811	Walton 1799	Sir Peter 1784	Highflyer Papillon	
				Arethusa 1792	Dungannon Prophet mare	
		Parasol 1800	Pot-8-os 1773	Eclipse Sportsmistress		
			Prunella 1788	Highflyer Promise		
		Moses 1819	Whalebone 1807— or Seymour 1807	Waxy Penelope		
			Daughter of 1807	Gohanna Grey Skim		
	Quadrille 1815	Selim 1802	Buzzard Alexander mare			
		Canary Bird 1806	Whiskey or Sorcerer Canary			
	Lollypop 1836	Starch 1819—Or Voltaire 1817	Waxy Pope 1806	Waxy 1790	Pot-8-os Maria	
				Prunella 1788	Highflyer Promise	
		Miss Stavely 1805	Shuttle 1793	Y. Marske Vauxhall Snap mare		
			Daughter of 1793	Drone Camperdown's dam		
		Blacklock 1814	Whitlock 1803	Hambletonian Rosalind		
			Daughter of 1799	Coriander Wildgoose		
Wagtail 1818		Prime Minister 1810	Saicho Miss Hornpipe Teazle			
		Daughter of 1812	Orville Miss Grimstone			
33 The Baron 1842		Birdcatcher 1833	Sir Hercules 1826	Whalebone 1807	Waxy 1790	Pot-8-os Maria
					Penelope 1798	Trumpator Prunella
	Peri 1822		Wanderer 1790	Gohanna Catherine		
			Thalestris 1809	Alexander Rival		
	Bob Booty 1804		Chanticleer 1787	Woodpecker Eclipse mare		
			Ierne 1790	Bagot Gamahoe mare		
	Flight 1809	Escape 1802	Commodore Highflyer mare			
		Y. Heroine	Bagot Old Heroine			
	Echidna 1838	Economist 1825	Whisker 1812	Waxy 1790	Pot-8-os Maria	
				Penelope 1798	Trumpator Prunella	
		Floranthe 1818	Octavian 1807	Stripling Oberon mare		
			Caprice 1797	Anvil Madcap		
		Blacklock 1814	Whitlock 1803	Hambletonian Rosalind		
			Daughter of 1799	Coriander Wildgoose		
Gadabout 1812		Orville 1799	Beningbrough Evelina			
		Minstrel 1803	Sir Peter Matron			

34	Bay Middleton 1833	Sultan 1816	Selim 1802	Buzzard 1787	Woodpecker 1773 Misfortune 1775	Herod 1758 Miss Ramsden Dux 1761 Curiosity 1760		
				Daughter of 1790	Alexander 1782 Daughter of	Eclipse 1764 Grecian Princess 1770 HIGHFLYER 1774 Alfred mare		
			Bacchante 1809	Williamson's Ditto 1800	Sir Peter 1784 Arethusa 1792	HIGHFLYER 1774 Papillon 1769 Dungannon 1780 Prophet mare 1777		
				Calomel's sister 1791	Mercury 1778 Daughter of 1776	Eclipse 1764 Tartar mare Herod 1758 Folly by Marske		
			Cobweb 1821	Phantom 1808	Walton 1799	Sir Peter 1784 Arethusa 1792	Highflyer 1774 Papillon 1769 Dungannon 1780 Prophet mare 1777	
					Julia 1799	Whiskey 1789 Y. Giantess 1790	Saltram 1780 Calash 1775 Diomed 1777 Giantess 1769	
	Filagree 1815	Soothsayer 1808		Sorcerer 1796 Goldenlocks 1793	Trumpator 1782 Y. Giantess 1790 Delpini 1781 Violet 1787			
		Web 1808		Waxy 1790 Penelope 1798	Pot-8-os 1773 Maria 1777 Trumpator 1782 Prunella 1788			
	35	Sultan 1816		Selim 1802	Buzzard 1787	Woodpecker 1773	Herod 1758 Miss Ramsden	Tartar 1743 Cypron 1750 Cade 1734 [mare Lonsdale Bay Arabian
						Misfortune 1775	Dux 1761 Curiosity 1760	Matchem 1748 Duchess 1748 Snapp 1750 Miss Belsea's sister
			Daughter of 1790		Alexander 1782	Eclipse 1764 Grecian Princess 1770	Marske 1750 Spiletta 1749 Williams's Forester 1750 Coalition Colt mare	
					Daughter of	Highflyer 1774 Daughter of	Herod 1758 Rachel 1750 Alfred 1770 Engineer mare	
Bacchante 1809			Williamson's Do. 1800		Sir Peter 1784	Highflyer 1774 Papillon 1769	Herod 1758 Rachel 1750 Snap 1750 Miss Cleveland 1758	
					Arethusa 1792	Dungannon 1780 Daughter of 1777	Eclipse 1764 Aspasia 1775 Prophet 1760 Virago 1764	
		Calomel's sister 1791	Mercury 1778	Eclipse 1764 Daughter of	Marske 1750 Spiletta 1749 Tartar 1743 Mogul mare			
			Daughter of 1776	Herod 1758 Folly 1764	Tartar 1743 Cypern 1750 Blank Regulus' sister			

36	Pantaloen 1824		Castrel 1801	Buzzard 1787	Woodpecker 1773	Herod 1758	Tartar Cypron	
						Miss Ramsden	Cade Lonsdale mare	
					Misfortune 1775	Dux 1761	Matchem Duchess	
					Curiosity 1760	Snap Miss Belsea's sister		
				Daughter of 1790	Alexander 1782	Eclipse 1764	Marske Spiletta	
						Greec. Princess 1770	Williams's Forester Coalition colt mare	
			Daughter of		HIGHFLYER 1774	Herod Rachel		
					Daughter of 1769	Alfred Engineer mare		
			Idalia 1815	Peruvian 1806	Sir Peter 1784	HIGHFLYER 1774	Herod Rachel	
						Papillon 1769	Snap Miss Cleveland	
Daughter of 1788	Boudrow 1777	Eclipse Sweeper mare						
	Escape's dam 1768	Squirrel Babraham mare						
Musidora 1804	Meteor 1783	Eclipse 1764		Marske Spiletta				
		Daughter of 1765		Merlin, by Second Missis Pratt				
Maid of all Work 1786		HIGHFLYER 1774		Herod Rachel				
		Tandem's sister		Syphon Regulus mare				
37	Blacklock 1814			Whitelock 1803	Hambletonian 1792	King Fergus 1775	Eclipse 1764	Marske 1750 Spiletta 1749
							Polly 1756	Black and all Black 1743 Fanny 1751
			Daughter of 1782		Highflyer 1774	Herod 1758 Rachel 1763		
					Monimia 1771	Matchem 1748 Alcides mare		
			Rosalind 1788		Phenomenon 1780	HEROD 1758	Tartar 1743 Cypron 1750	
						Frenzy 1774	Eclipse 1764 Engineer mare	
			Atalanta 1769	Matchem 1748	Cade 1734 Partner mare 1735			
				Lass of the Mill 1745	Traveller 1735 Miss Makeless 1737			
			Daughter of 1799	Coriander 1786	Pot-8-os 1773	Eclipse 1764	Marske 1750 Spiletta 1749	
						Sportsmistress 1763	Sportsman 1753 Goldenlocks	
				Lavender 1778	HEROD 1758	Tartar 1743 Cypron 1750		
					Daughter of 1765	Snap Miss Roan 1753		
			Wildgoose 1792	Highflyer 1774	HEROD 1758	Tartar 1743 Cypron 1750		
Rachel 1763	Blank 1740 Regulus mare 1751							
Coheiress 1786	Pot-8-os 1773	Eclipse 1764 Sportsmistress 1763						
	Manilla 1777	Goldfinder 1764 Old England mare 1766						

38	Lanercost 1835	Liverpool 1828	Tramp 1810	Dick Andrews 1797	Joe Andrews Daughter of	ECLIPSE Amaranda Highflyer Cardinal Puff mare	
				Daughter of 1803	Gohanna Fraxinella	Mercury Herod mare Trentham Goldfinch's sister	
			Daughter of 1822	Whisker 1812	Waxy Penelope	Pot-8-os Maria Trumpator Prunella	
				Mandane 1800	Pot-8-os Young Camilla	ECLIPSE Sportsmistress Woodpecker Camilla	
			Otis 1820	Bustard 1801	Buzzard 1787	Woodpecker Misfortune	Herod Miss Ramsden Dux Curiosity
					Gipsy 1789	Trumpator Postmaster's sister	Conductor Brunette Herod Snap mare
	Daughter of 1813	Election 1804		Gohanna Chesnut Skim	Mercury Herod mare Woodpecker Silver's dam		
		Skysweeper's sister		Highflyer Daughter of	Herod Rachel Eclipse Rosebud		
	39	Brutandorf 1821	Blacklock 1814	Whitlock 1803	Hambletonian	King Fergus Daughter of	Eclipse Polly HIGHFLYER Monimia
					Rosalind	Phenomenon Atalanta	Herod Frenzy Matchem Lass of the Mill
				Daughter of 1799	Coriander	Pot-8-os 1773 Lavender	Eclipse Sportsmistress Herod Snap mare
					Wildgoose	HIGHFLYER Coheirss	Herod Rachel Pot-8-os Manilla
Mandane 1800				Pot-8-os 1773	Eclipse	Marske Spiletta	Squirt 1732 Hutton's Blacklegs mare Regulus Mother Western
					Sportsmistress	Sportsman Goldenlocks	Cade Silvertail Oroonoko Crab mare
		Y. Camilla 1787	Woodpecker	Herod Miss Ramsden	Tartar Cypron Cade Lonsdale B. Arab. mare		
			Camilla 1778	Trentham 1766 Coquette 1765	Sweepstakes 1749 Miss South 1759 Compton Barb. Regulus' sister		

40	Flatcatcher 1845 (Brother to Phryne)	Touchstone 1831	Camel 1822	Whalebone 1807	SIR HARRY 1790	Pot-8-os 1773 Maria 1777
					Penelope 1798	Trumpator 1782 Prunella 1788
			Daughter of 1812	Selim 1802	Buzzard 1787 Alexander mare 1790	
				Maiden 1801	Sir Peter 1781 Phenomenon mare 1788	
		Banter 1826	Master Henry 1815	Orville 1799	Beningbrough 1791 Evelina 1791	
				Miss Sophia 1805	Stamford 1794 Sophia 1798	
	Boadicea 1807	Alexander 1782	Eclipse 1764 Grecian Princess 1770			
		Brunette	Amaranthus 1766 Mayfly 1771			
	Decoy 1830	Filho da Puta 1812	Haphazard 1797	SIR PETER 1784	Highflyer 1774 Papillon 1769	
				Miss Hervey 1775	Eclipse 1764 Clio 1760	
		Mrs. Barnet 1806	SIR HARRY 1790	Pot-8-os 1773 Maria 1777		
			Daughter of 1788	Woodpecker 1773 Heinel 1771		
Finesse 1815		Peruvian 1806	SIR PETER 1784	HIGHFLYER 1774 Papillon 1769		
			Daughter of 1788	Boudrow 1777 Escape's dam 1768		
Violante 1802	John Bull 1789	Fortitude 1777 Xantippe 1779				
	Skyscraper's sister 1788	HIGHFLYER 1774 Everlasting 1775				
41	Wild Dayrell 1852	Ion 1835	Cain 1822	Paulowitz 1813	Sir Paul 1802	SIR PETER Pewet
					Evelina 1791	Highflyer Termagant
			Paynator mare 1810	Paynator 1791	Trumpator Mark Anthony mare	
				Daughter of	Delpini Y. Marske mare	
			Margaret 1831	Edmund 1824	Orville 1799	Beningbrough Evelina
					Emmeline 1817	Waxy Sorcery
		Medora 1811	Selim 1802	Buzzard Alexander mare		
			Daughter of 1803	Sir Harry, by SIR PETER Volunteer mare		
		Sultan 1816	Selim 1802	Buzzard Alexander mare		
			Bacchante 1809	Williamson's mare Calomel's sister		
		Cobweb 1821	Phantom 1808	Walton Julia		
			Filagree 1815	Soothsayer Web		
		Malek 1824	Blacklock 1814	Whitelock Coriander mare		
			Daughter of 1817	Juniper Sorcerer mare		
		Bessy 1815	Young Gouty 1805	Gouty Dungannon mare		
Grandiflora 1810	Sir Harry Dimsdale Pipator mare					

42	Newminster 1848	Touchstone 1831	Camel 1822	Whalebone 1807	Waxy Penelope
				Daughter of 1812	Selim Maiden
		Banter 1826	Master Henry 1815	Orville Miss Sophia	
			Boadicea 1807	Alexander Brunette	
		Beeswing 1833	Dr. Syntax 1811	Paynator 1791	Trumpator Mark Anthony mare
				Daughter of	Beningbrough Jenny Mole
	Daughter of 1817	Ardrossan 1809	John Bull Miss Whip		
		Lady Eliza 1813	Whitworth X. Y. Z.'s dam		
	The Arrow 1850	Slane 1833	Royal Oak 1823	Catton 1809	Golumpus Lucy Gray
				Daughter of 1818	Smolensko Lady Mary
		Daughter of 1819	Orville 1799	Beningbrough Evelina	
			Epsom Lass	Sir Peter Alexina	
Southdown 1836		Defence 1824	Whalebone 1807	Waxy Penelope	
			Defiance 1816	Rubens Little Folly	
Feltona 1819	X Y Z 1808	Haphazard Spadille mare			
	Janetta 1803	Beningbrough Drone mare			
43	Beadsman 1855	Weatherbit 1842	Sheet Anchor 1832	Lottery 1820	Tramp Mandane
				Morgiana 1820	Muley Miss Stephenson
		Miss Letty 1834	Priam 1827	Emilius Cressida	
			Daughter of 1815	Orville Buzzard mare	
		Touchstone 1831	Camel 1822	Whalebone Selim mare	
			Banter 1826	Master Henry Boadicea	
	Lady Moore Carew 1830	Tramp 1810	Dick Andrews Gohanna mare		
		Kite 1821	Bustard Olympia		
	Cowl 1842	Bay Middleton 1833	Sultan 1816	Selim Bacchante	
			Cobweb 1821	Phantom Flagree	
	Crucifix 1837	Priam 1827	Emilius Cressida		
		Octaviana 1815	Octavian Shuttle mare		
	Diversion 1838	Defence 1824	Whalebone 1807	Waxy Penelope	
			Defiance 1816	Rubens Little Folly	
		Folly 1830	Middleton 1822	Phantom Web	
Little Folly 1806	Highland Fling Harriet				
The Palmer 1864 (Brother to Rosicrucian)	Madame Eglentine 1857	Mendicant 1843	Touchstone 1831	Camel 1822	Whalebone Selim mare
				Banter 1826	Master Henry Boadicea
		Bay Middleton 1833	Sultan 1816	Selim Bacchante	
			Cobweb 1821	Phantom Flagree	
		Crucifix 1837	Priam 1827	Emilius Cressida	
			Octaviana 1815	Octavian Shuttle mare	
Defence 1824	Whalebone 1807	Waxy Penelope			
	Defiance 1816	Rubens Little Folly			
Folly 1830	Middleton 1822	Phantom Web			
	Little Folly 1806	Highland Fling Harriet			

44	Trumpeter 1856	Orlando 1841	Touchstone 1831	Camel 1822	Whalebone	Waxy Penelope
					Daughter of	Selim Maiden
			Banter 1826	Master Henry	Orville Miss Sophia	
				Boadicea	Alexander Brunette	
			Vulture 1833	Langar 1817	Selim	BUZZARD Alexander mare
					Daughter of	Walton Y. Giantess
	Kite 1821	Bustard	Castrel by BUZZARD Miss Hap			
		Olympia	Sir Oliver Scotilla			
	Cavatina 1845	Redshank 1833	Sandbeck 1818	Catton	Golumpus Lucy Gray	
				Orvillina	Beningbrough Evelina	
		Johanna 1813	Selim	Buzzard Alexander mare		
			Comical's dam	Skyscraper Dragon mare		
		Oxigen 1828	Emilius 1820	Orville	Beningbrough Evelina	
				Emily	Stamford Whiskey mare	
Whizgig 1819	Rubens	Buzzard Alexander mare				
	Penelope	Trumpator Prunella				
45	Marsyas 1851	Orlando 1841	Touchstone 1831	Camel 1822	Whalebone	Waxy Penelope
					Daughter of	Selim Maiden
			Banter 1826	Master Henry	Orville Miss Sophia	
				Boadicea	Alexander Brunette	
			Vulture 1833	Langar 1817	Selim	Buzzard Alexander mare
					Daughter of	Walton Y. Giantess
		Kite 1821	Bustard	Castrel by Buzzard Miss Hap		
			Olympia	Sir Oliver Scotilla		
		Mailbran 1830	Whisker 1812	Waxy 1790	Pot-8-os	Eclipse Sportsmistress
					Maria	Herod Lisette
	Penelope 1798		Trumpator	Conductor Brunette		
			Prunella	Highflyer Promise		
	Garcia 1823	Octavian 1807	Stripling 1795	Phenomenon Laura		
			Daughter of	Oberon Ranthos mare		
Daughter of 1806	Shuttle	Y. Marske Vauxhall Snap mare				
	Katherine 1798	Delpini Paymaster mare				

46 Harkaway 1834	Economist 1825	Whisker 1812	Waxy 1790	Pot-8-os	ECLIPSE Sportsmistress
				Maria	HEROD Lisette
		Penelope 1798	Trumpator	Conductor Brunette	
			Prunella	Highflyer Promise	
		Floranthe 1818	Octavian 1807	Stripling	Phenomenon Laura
				Daughter of	Oberon Ranthos mare
	Caprice 1797	Anvil	HEROD Feather mare		
		Madcap	EGLIPSE Blank mare		
	Daughter of 1823	Nabocklish 1810	Rugantino 1803	Commodore	Tug Smallhopes
				Buffer's dam	Highflyer Shift
		Butterfly	Bagot	Herod Marotte	
			Mother Brown	Trunnion Modesty	
		Miss Tooley 1808	Teddy the Grinder 1798	Asparagus	Pot-8-os Justice mare
				Stargazer	Highflyer Miss West
Lady Jane 1796		Sir Peter	Highflyer Papillon		
		Paulina	Florizel Captive		

47 Sir Hercules 1826	Whalebone 1807	Waxy 1790	Pot-8-os	Eclipse	Marske Spiletta
				Sportsmistress	Sportsman Goldenlocks
		Maria	Herod	Tartar Cypron	
			Lisette	Snap Miss Windsor	
		Penelope 1798	Trumpator	Conductor	Matchem Snap mare
				Brunette	Squirrel Dove
	Prunella	Highflyer	Herod Rachel		
		Promise	Snap Julia		
	Wanderer 1811	Gohanna	Mercury	Eclipse Tartar mare	
			Daughter of	Herod Maiden	
	Catharine	Woodpecker	Herod Miss Ramsden		
		Camilla	Trentham Coquette		
	Thalestris 1809	Alexander 1782	Eclipse	Marske Spiletta	
			Grecian Princess	William's Forester Coalition Colt mare	
	Rival	Sir Peter	Highflyer Papillon		
		Hornet	Drone Manilla		

48	Przedswit 1872	Knight of the Garter 1864	Prime Minister	Melbourne	Humphrey Clinker	Comus Clinkerina
					Daughter of	Cervantes Golumpus mare
			Pantalonade	Pantaloons	Castrel Idalia	
				Festival	CAMEL Michaelmas	
		Touchstone	CAMEL	Whalebone Selim mare		
			Banter	Master Henry Boadicea		
		Boarding School Miss	Plenipotentiary	Emilius Harriet		
	Marpessa		Muley Clare			
	The Jewel 1864	Stockwell	The Baron	BIRDCATCHER	Sir Hercules Guiccioli	
				Echidna	Economist Miss Pratt	
		Pocahontas	Glencoe	Sultan Trampoline		
			Marpessa	Muley Clare		
	July 1855	BIRDCATCHER	Sir Hercules	Whalebone Peri		
			Guiccioli	Bob Booty Flight		
Gillyflower 1847		Venison	Partisan Fawn			
		Temerity	King of Clubs Blucher mare			
49	Touchstone 1831	Camel 1822	Whalebone	Waxy	Pot-8-os	Eclipse Sportsmistress
					Maria	Herod Lisette
			Penelope	Trumpator	Conductor Brunette	
				Prunella	Highflyer Promise	
		Daughter of	Selim	Buzzard	Woodpecker Misfortune	
				Daughter of	Alexander Highflyer mare	
		Maiden	Sir Peter	Highflyer Papillon		
			Daughter of	Phenomenon Matron		
		Banter 1826	Master Henry	Orville	Beningbrough	King Fergus Herod mare
					Evelina	Highflyer Termagant
	Miss Sophia		Stamford	Sir Peter Horatia		
			Sophia	Buzzard Huncamunca		
	Boadicea	Alexander	Eclipse	Marske Spiletta		
			Grecian Princess	William's Forester Coalition Colt mare		
		Brunette	Amaranthus	Old England Second mare		
	Mayfly		Matchem Ancaster Starling mare			

50	Voltaire 1826	Blacklock 1814	Whitlock	Hambletonian	King Fergus by Eclipse HIGHFLYER MARE		
				Rosalind	Phenomenon by Herod Atalanta by Matchem		
		Daughter of 1799	Coriander	Pot-8-os by Eciipse Lavender by Herod			
			Wildgoose	HIGHFLYER by Herod Coheirsch by Pot-8-os			
		Daughter of 1816	Phantom 1808	Walton	Sir Peter by Highflyer Arethusa by Dungannon		
				Julia	Whiskey by Saltram Y. Giantess by Diomed		
	Daughter of 1802	Overton	King Fergus by Eclipse Herod mare				
		Gratitude's dam	Walnut by HIGHFLYER Ruler mare				
	Martha Lynn 1837	Mulatto 1823	Cotton 1809	Golumpus	Gohnna by Mercny Catherine by Woodpecker		
				Lucy Gray	Timothy by Delpini Lucy by Florizel		
			Desdemona 1811	Orville	Beningbrough by K. Fergus Evelina by Highflyer		
				Fanny	SIR PETER by Highflyer Diomed mare		
		Leda 1824	Filho da Puta 1812	Haphazard	SIR PETER by Highflyer Miss Hervey by Eclipse		
				Mrs. Barnet.	Waxy by Pot-8-os Woodpecker mare		
			Treasure	Camillus	Hambletonian by King Faith by Pacolet [Fergus]		
				Daughter of	Hyacinthus by Coriander Flora by King Fergus		
		51	Lanercost 1835	Liverpool 1828	Tramp	Dick Andrews	Joe Andrews Highflyer mare
						Daughter of	Gohanna Fraxinella
Daughter of				Whisker	Waxy Penelope		
				Mandane	Pot-8-os Y. Camilla		
Bustard	Buzzard			Woodpecker Misfortune			
	Gipsy			Trumpator Herod mare			
Daughter of	Election		Gohanna Chesnut Skim				
	Skysweeper's sister		Highflyer Eclipse mare				
Barbelle 1836	Sandbeck 1818		Cotton	Golumpus	Gohanna Catherine		
				Lucy Gray	Timothy Lucy		
	Orvillina		Beningbrough	King Fergus Herod mare			
			Evelina	Highflyer Termagant			
	Amadis		Don Quixote	Eclipse Grecian Princess			
			Fanny	Sir Peter Diomed mare			
	Selima		Selim	Buzzard Alexander mare			
			Daughter of	Pot-8-os Editha			
Van Tromp 1844	Lanercost 1835		Liverpool 1828	Tramp	Dick Andrews	Joe Andrews Highflyer mare	
					Daughter of	Gohanna Fraxinella	
		Daughter of	Whisker	Waxy Penelope			
			Mandane	Pot-8-os Y. Camilla			
		Bustard	Buzzard	Woodpecker Misfortune			
			Gipsy	Trumpator Herod mare			
	Daughter of	Election	Gohanna Chesnut Skim				
		Skysweeper's sister	Highflyer Eclipse mare				
	Barbelle 1836	Sandbeck 1818	Cotton	Golumpus	Gohanna Catherine		
				Lucy Gray	Timothy Lucy		
		Orvillina	Beningbrough	King Fergus Herod mare			
			Evelina	Highflyer Termagant			
Amadis		Don Quixote	Eclipse Grecian Princess				
		Fanny	Sir Peter Diomed mare				
Selima	Selim	Buzzard Alexander mare					
	Daughter of	Pot-8-os Editha					

Defence 1824	Whalebone 1807	Waxy	Pot-8-os	Eclipse	Marske Spiletta	
				Sportsmistress	Sportsman Goldenlocks	
			Maria	Herod	Tartar Cypron	
				Lisette	Snap Miss Windsor	
		Penelope	Trumpator	Conductor	Matchem Snap mare	
				Brunette	Squirel Dove	
			Prunella	Highflyer	Herod Rachel	
				Promise	Snap Julia	
		Defiance 1816	Rubens 1805	Buzzard	Woodpecker	Herod Miss Ramsden
					Misfortune	Dux Curiosity
	Daughter of			Alexander	Eclipse Grecian Princess	
				Daughter of	Highflyer Alfred mare	
	Little Folly 1806		Highland Fling	Spadille	Highflyer Flora	
				Caelia	Herod Proserpine	
		Harriet	Volunteer	Eclipse Tartar mare		
			Daughter of	Alfred Magnolia		

53	Irish Birdcatcher 1833			Saunterer 1854			
	Ennui 1843						
	Sir Hercules 1826	Whalebone	Mary		Pot-8-os	ECLIPSE Sportsmistress	
					Maria	Herod Lisette	
		Penelope	Peri		Wanderer	Trumpator	Conductor Brunette
						Prunella	Highflyer Promise
		Thalestris	Bob Booty		Chanticleer	Gohanna	Mercury Herod mare
						Catherine	Woodpecker Camilla
	Guiccioli 1823	Flight	Escape		Alexander	Eclipse Grecian Princess	
					Rival	Sir Peter Hornet	
		Y. Heroine	Ierne		Bagot	Woodpecker	Herod Miss Ramsden
						Daughter of	ECLIPSE Rosebud
		Selim	Sultan		Bacchante	Daughter of	Herod Marotte
						Daughter of	Gamahoe Patty
	Bay Middleton 1833	Cobweb	Phantom		Commodore	Tug Smallhopes	
					Daughter of	Highflyer Shift	
		Filagree	Sultan		Blacklock	Bagot	Herod Marotte
						Web	Hero Snap mare
		Woful	Velocipede		Daughter of	Buzzard	Woodpecker Misfortune
						Daughter of	Alexander Highflyer mare
	Blue Devils 1837	Care	Woful		Williamson's Ditto	Sir Peter Arethusa	
					Tippitywitchet	Mercury Herod mare	
		Recovery's dam	Cobweb		Blacklock	Calomel's sister	Mercury Herod mare
						Daughter of	Sir Peter Arethusa
Woful		Velocipede	Daughter of	Walton	Whiskey Y. Giantess		
				Daughter of	Sorcerer Goldenlocks		
Recovery's dam	Care	Woful	Soothsayer	Waxy Penelope			
			Daughter of	Hambletonian Rosalind			
Recovery's dam	Care	Woful	Whitlock	Coriander Wildgoose			
			Daughter of	Whiskey Jenny Spinner			
Recovery's dam	Care	Woful	Juniper	Sorcerer Virgin			
			Daughter of	Pot-8-os Maria			
Recovery's dam	Care	Woful	Trumpator	Trumpator Prunella			
			Daughter of	Buzzard Alexander mare			
Recovery's dam	Care	Woful	Rubens	Waxy Hare			
			Daughter of				

54	Andover 1851	Bay Middleton	Sultan	Selim	Buzzard	Woodpecker Misfortune
					Daughter of	Alexander Highflyer mare
			Bacchante	Williamson's Ditto	Sir Peter Arethusa	
				Calomel's sister	Mercury Herod mare	
		Cobweb	Phantom	Walton	Sir Peter Arethusa	
				Julia	Whiskey Y. Giantess	
		Filagree	Soothsayer	Sorcerer Goldenlocks		
			Web	Harry Penelope		
	Aegis's sister	Defence	Walebone	Harry	Pot-8-os Maria	
				Penelope	Trumpator Prunella	
		Defiance	Rubens	Buzzard Alexander mare		
			Little Folly	Highland Fling Harriet		
		Soldier's Joy	The Colonel.	Whisker	Harry Penelope	
				Daughter of	Delpini Tipplecyder	
			Galatea	Amadis	Don Quixote Fanny	
		Paulina		Sir Peter Pewet		
55	Plenipotentiary 1831	Emilius 1820	Orville	Beningbrough	King Fergus	Eclipse Polly
					Daughter of	Herod Pyrrha
			Evelina	Highflyer	Herod Rachel	
				Termagant	Tantrum Cantatrice	
		Emily	Stamford	SIR PETER	Highflyer Papillon	
				Horatio	Eclipse Countess	
		Daughter of	Whiskey	Saltram Calash		
			Grey Dorimant	Dorimant Dizzy		
	Pericles	Evander	Delpini	Highflyer Countess		
			Caroline	Phenomenon Faith		
	Daughter of	Precipitate	Mercury Herod mare			
		Osprey's sister	Highflyer Snap mare			
	Daughter of	Selim	Buzzard	Woodpecker Misfortune		
			Daughter of	Alexander Highflyer mare		
	Pipylina	SIR PETER	Highflyer Papillon			
		Rally	Trumpator Fancy			
Harriet 1819	Pericles	Evander	Delpini	Highflyer Countess		
			Caroline	Phenomenon Faith		
Daughter of	Selim	Buzzard	Woodpecker Misfortune			
		Daughter of	Alexander Highflyer mare			
Pipylina	SIR PETER	Highflyer Papillon				
	Rally	Trumpator Fancy				

56	Partisan 1811	Walton	Sir Peter	Highflyer	Herod Rachel		
				Papillon	Snap Miss Cleveland		
		Arethusa	Dungannon	Eclipse Aspasia			
			Daughter of	Prophet Virago			
		Parasol	Pot-8-os	ECLIPSE	Marske Spiletta		
				Sportsmistress	Sportsman Goldenlocks		
	Prunella	Highflyer	Herod Rachel				
		Promise	Snap Julia				
	Fawn 1823	Smolensko	Sorcerer	Trumpator	Conductor Brunette		
				Y. Giantess.	Diomed Giantess		
		Wowski	Mentor	Justice Sweetbriar's dam			
			Maria	Herod Lisette			
Jerboa		Gohanna	Mercury	Eclipse Tartar mare			
			Daughter of	Herod Maiden			
Camilla	Trentham	Sweepstakes Miss South					
	Coquette	Compton Barb Regulus' sister					
57	Blacklock	Whitelock	Hambletonian	King Fergus	Eclipse Polly		
				Daughter of	Highflyer Monimia		
		Rosalind	Phenomenon	Herod Frenzy			
			Atalanta	Matchem Lass of the Mill			
		Daughter of	Coriander	Pot-8-os	Eclipse Sportsmistress		
				Lavender	Herod Snap mare		
	Wildgoose	Highflyer	Herod Rachel				
		Coheirss	Pot-8-os Manilla				
	Juniper	Whiskey	Saltram	Eclipse Virago			
			Calash	Herod Teresa			
		Jenny Spinner	Dragon	Woodpecker Juno			
			Soldier's sister	Eclipse Miss Spindleshanks			
	Daughter of	Sorcerer	Trumpator	Conductor Brunette			
			Y. Giantess	Diomed Giantess			
		Virgin	Sir Peter	Highflyer Papillon			
	Daughter of		Pot-8-os Editha				
	Velocipede 1825	Daughter of 1817	Blacklock	Whitelock	Hambletonian	King Fergus	Eclipse Polly
					Daughter of	Highflyer Monimia	
Rosalind			Phenomenon	Herod Frenzy			
			Atalanta	Matchem Lass of the Mill			
Daughter of			Coriander	Pot-8-os	Eclipse Sportsmistress		
				Lavender	Herod Snap mare		
Wildgoose	Highflyer	Herod Rachel					
	Coheirss	Pot-8-os Manilla					
Juniper	Whiskey	Saltram	Eclipse Virago				
		Calash	Herod Teresa				
	Jenny Spinner	Dragon	Woodpecker Juno				
		Soldier's sister	Eclipse Miss Spindleshanks				
Daughter of	Sorcerer	Trumpator	Conductor Brunette				
		Y. Giantess	Diomed Giantess				
	Virgin	Sir Peter	Highflyer Papillon				
Daughter of		Pot-8-os Editha					

58	Pyrrhus I. 1843	Epirus 1834	Langar	Selim	Buzzard	Woodpecker Misfortune
					Daughter of	Alexander Highflyer mare
			Daughter of	Walton	SIR PETER Arethusa	
		Y. Giantess		Diomed Giantess		
		Olympia	Sir Oliver	SIR PETER	Highflyer Papillon	
				Fanny	Diomed Ambrosia	
	Scotilla	Anvil	Herod Feather mare			
		Scota	Eclipse Harmony			
	Fortress 1836	Defence	Whalebone	Waxy	Pot-8-os Maria	
				Penelope	Trumpator Prunella	
		Defiance	Rubens	Buzzard Alexander mare		
			Little Folly	Highland Fling Harriet		
Jewess		Moses	Whalebone or Seymour	Waxy Penelope		
			Daughter of	Gohanna Grey Skim		
Calendula	Camerton	Hambletonian Precipitate mare				
	Snowdrop	Highland Fling Daisy by Buzzard				
59	Cowl 1842	Bay Middleton 1833	Sultan 1816	Selim	Buzzard	Woodpecker Misfortune
					Daughter of	Alexander Highflyer mare
			Bacchante	Williamson's Ditto	Sir Peter Arethusa	
		Calomel's sister		Mercury Herod mare		
		Cobweb 1821	Phantom	Walton	Sir Peter Arethusa	
				Julia	Whiskey Y. Giantess	
	Filagree	Soothsayer	Sorcerer Goldenlocks			
		Web	Waxy Penelope			
	Crucifix 1837	Priam 1827	Emilius	Orville	Beningbrough Evelina	
				Emily	Stamford Whiskey mare	
		Cressida	Whiskey	Saltram Calash		
			Y. Giantess	Diomed Giantess		
	Octaviana 1815	Octavian	Stripling	Phenomenon Laura		
			Daughter of	Oberon Ranthos mare		
		Daughter of 1807	Shuttle	Marske Vauxhall Snap mare		
Zara 1801	Delpini Flora					

60	Kingston 1849	Venison 1833	Partisan	Walton	Sir Peter	Highflyer Papillon	
					Arethusa	Dungannon Prophet mare	
				Parasol	Pot-8-os	Eclipse Sportsmistress	
			Prunella		Highflyer Promise		
			Fawn	Smolensko	Sorcerer	Trumpator Y. Giantess	
					Wowski	Mentor Maria	
	Jerboa	Gohanna	Mercury Herod mare				
		Camilla	Trentham Coquette				
	Queen Anne 1843	Slane	Royal Oak	Catton	Golumpus Lucy Gray		
				Daughter of	Smolensko Lady Mary		
		Daughter of	Orville	Beningbrough Evelina			
			Epsom Lass	Sir Peter Alexina			
	Garcia	Octavian	Stripling	Phenomenon Laura			
			Daughter of	Oberon Sharper's sister			
		Daughter of	Shuttle	Y. Marske Vauxhall Snap mare			
			Katherine	Delpini Paymaster mare			
	61	Sterling 1868	Oxford 1857	I. Birdcatcher	Sir Hercules	Whalebone	Waxy Penelope
						Peri	Wanderer Thalestris
Guiccioli					Bob Booty	Chanticleer Irene	
				Flight	Escape Y. Heroine		
Honey Dear				Plenipotentiary	Emilius	Orville Emily by Stamford	
					Harriet	Pericles Selim mare	
		My Dear	Bay Middleton	Sultan Cobweb			
Miss Letty			Priam Orville mare				
Whisper 1857		Flatcatcher	Touchstone	Camel	Whalebone Selim mare		
				Banter	Master Henry Boadicea		
		Decoy	Filho da Puta	Haphazard Mrs. Barnet			
			Finesse	Peruvian Violante			
Silence		Melbourne	Humphrey Clinker	Comus Clinkerina			
			Daughter of	Cervantes Golumpus mare			
		Secret	Hornsea	Velocipede Cerberus mare			
Solace			Longwaist Dulcamara by Waxy				

62	Adonis 1867	Grimston 1860	Stockwell	The Baron	Birdcatcher	Sir Hercules Guiccioli
					Echidna	Economist Miss Pratt
				Pocahontas	Glencoe	Sultan Trampoline
			Marpessa		Muley Clare	
			La Fille du Régiment	Orlando	Touchstone	Camel Banter
					Vulture	Langar Kite
	Vivandière	Voltaire	Blacklock Phantom mare			
		Martha Lynn	Mulatto Leda			
	Legerdemain 1851	Sleight of Hand	Pantaloons	Castrel	Buzzard Alexander mare	
				Idalia	Peruvian Musidora	
			Decoy	Filho da Puta	Haphazard Mrs. Barnet	
				Finesse	Peruvian Violante	
		Galloper's dam 1843	Hampton 1833	Sultan	Selim Bacchante	
				Rachel	Whalebone Moses' dam	
	Daughter of	Comus	Sorcerer Houghton Lass			
Speaker's sister		Camillus Prime Minister's sister				
63	Chamant 1874	Mortemer 1865	Compiègne	Fitz Gladiator	Gladiator	Partisan Pauline
					Zarah	Reveller Rubens mare
				Maid of Hart	The Provost	Saddler Rebecca
			Martha Lynn		Mulatto Leda	
			Comtesse	Nuncio or The Baron	Plenipo	Emilius Harriet
					Ally	Partisan Jest
		Eusebia		Emilius	Orville Emily	
			Mangel-Wurzel	Merlin Morel		
		Araucaria 1862	Ambrose	Touchstone	Camel	Whalebone Selim mare
					Banter	Master Henry Boadicea
			Annette	Priam	Emilius Cressida	
				Potentate's dam	Don Juan Moll in the Wad	
		Pocahontas	Glencoe	Sultan	Selim Bacchante	
				Trampoline	Tramp Web	
			Marpessa	Muley	Orville Eleanor	
Clare	Marmion Harpalice					

64	Robert the Devil 1877	Bertram 1869	The Duke 1862	Stockwell 1849	The Baron	BIRDCATCHER Echidna	
					Pocahontas	Glencoe Marpessa	
				Bay Celia 1851	Orlando	Touchstone Vulture	
			Constance 1852	Faugh-a-Ballagh 1841	Hersey	Glaucus Hester	
					Sir Hercules	Whalebone Peri	
				Milkmaid 1843	Guiccioli	Bob Booty Flight	
	Cast-off 1866	Promised Land 1856	Jericho 1842	Glaucus	Partisan Nanine		
				Dame Durdan	Banker Beningbrough mare		
			Glee 1843	Jerry	Smolensko Louisa		
		Wanona 1854	Womersley 1849	Turquoise	Selim Pope Joan		
				Touchstone	Camel Banter		
			Daughter of 1842	Harmony	Reveller Orville mare		
	65	West Australian 1850	Melbourne 1834	Humphrey Clinker	Comus	Sorcerer	Crumpator Y. Giantess
						Houghton Lass	Sir Peter Alexina
Clinkerina				Clinker	Sir Peter Hyale		
				Pewet	Tandem Termagant		
Daughter of				Cervantes	Don Quixote	Eclipse Grecian Princess	
					Evelina	Highflyer Termagant	
Daughter of			Daughter of	Golumpus	Gohanna Katherine		
				Daughter of	Paynator St. George mare		
Mowerina 1843			Touchstone	Camel	Whalebone	WAXY PENELOPE	
					Daughter of	Selim Maiden	
			Banter	Master Henry	Orville Miss Sophia		
				Boadicea	Alexander Brunette		
			Emma	Whisker	WAXY	Pot-8-os Maria	
					PENELOPE	Crumpator Prunella	
Gibside Fairy	Gibside Fairy	Hermes	Mercury Rosina				
		Vicissitude	Pipator Beatrice				

66	Stockwell 1849 Brother to Rataplan 1850	The Baron 1842	Birdcatcher	Sir Hercules	Whalebone	Waxy Penelope
					Peri	Wanderer Thalestris
			Guiccioli	Bob Booty	Chanticleer Ierne	
				Flight	Escape Y. Heroine	
			Economist	Whisker	Waxy Penelope	
				Floranthe	Octavian Caprice	
	Miss Pratt	Blacklock	Whitelock Coriander mare			
		Gadabout	Orville Minstrel			
	Pocahontas 1837	Glencoe	Sultan	Selim	Buzzard Alexander mare	
				Bacchante	Williamson's Ditto Mercury mare	
		Trampoline	Tramp	Dick Andrews Gohanna mare		
			Web	Waxy Penelope		
Marpessa		Muley	Orville	Beningbrough Evelina		
			Eleanor	WHISKEY Y. Giantess		
Clare	Marmion	WHISKEY Y. Noisette				
	Harpalice	Gohanna Amazon				
67	Paragone 1843	Touchstone 1831	Camel 1822	Whalebone	Waxy	Pot-8-os Maria
					Penelope	Trumpator Prunella
			Daughter of	Selim	Buzzard Alexander mare	
				Maiden	Sir Peter Phenomenon mare	
			Master Henry	Orville	Beningbrough Evelina	
				Miss Sophia	Stamford Sophia	
	Boadicea	Alexander	Eclipse Grecian Princess			
		Brunette	Amaranthus Mayfly			
	Tomboy 1829	Jerry	Smolensko	Sorcerer Wowski		
			Louisa	Orville Thomasina		
		Beeswing's dam	Ardrossan	John Bull Miss Wip		
	Lady Eliza		Whitworth X. Y. Z.'s dam			
	Rocabana 1831	Velocipede	Blacklock	Whitelock Coriander mare		
			Daughter of	Juniper Sorcerer mare		
		Miss Garforth	Walton	Sir Peter Arethusa		
Daughter of	Hyacinthus Zara					

68	Stockwell 1849	The Baron	Birdcatcher	Sir Hercules	Whalebone Peri
				Guiccioli	Bob Booty Flight
		Echidna	Economist	Whisker Floranthe	
			Miss Pratt	Blacklock Gadabout	
		Pocahontas	Glencoe	Sultan	Selim Bacchante
				Trampoline	Tramp Web
	Marpessa	Muley	Orville Eleanor		
		Clare	Marmion Harpalice		
	Bribery 1851	The Libel	Pantaloons	Castrel	Buzzard Alexander mare
				Idalia	Peruvian Musidora
		Pasquinade	Camel	Whalebone Selim mare	
			Banter	Master Henry Boadicea	
Splitvote		St. Luke	Bedlamite	Welbeck Maniac	
			Eliza Leeds	Comus Helen	
Electress	Election	Gohanna Chesnut Skim			
	Daughter of	Stamford Miss July			
69	Sweetmeat 1842	Gladiator	Partisan	Walton	Sir Peter Arethusa
				Parasol	Pot-8-os Prunella
		Pauline	Moses	Whalebone or Seymour Gohanna mare	
			Quadrille	Selim Canary Bird	
		Lollypop	Starch or Voltaire	Waxy Pope	Waxy Prunella
				Miss Stavely	Shuttle Drone mare 1793
	Belinda	Blacklock	Whitlock Coriander mare		
		Wagtail	Prime Minister 1810 Orville mare		
	Jocose 1843	Pantaloons	Castrel	Buzzard	Woodpecker Misfortune by Dux
				Daughter of	Alexander Highflyer mare
		Idalia	Peruvian	Sir Peter Boudrow mare	
			Musidora	Meteor Highflyer mare	
Banter		Master Henry	Orville	Beningbrough Evelina	
			Miss Sophia	Stamford Sophia	
Boadicea	Alexander	Eclipse Grecian Princess			
	Brunette	Amaranthus Mayfly			

70	The Duke 1862	Stockwell 1849	The Baron	Birdcatcher	Sir Hercules	Whalebone Peri
					Guiccioli	Bob Booty Flight
				Echidna	Economist	Whisker Floranthe
					Miss Pratt	Blacklock Gadabout
			Pocahontas	Glencoe	Sultan	Selim Bacchante
					Trampoline	Tramp Web
			Marpessa	Muley	Orville Eleanor	
	Clare	Marmion Harpalice				
	Bay Celia 1851	Orlando	Touchstone	CAMEL	Whalebone Selim mare	
				Banter	Master Henry Boadicea	
			Vulture	Langar	Selim Walton mare	
				Kite	Bustard Olympia	
	Hersey	Glaucus	Partisan	Walton Parasol		
			Nanine	Selim Bizarre		
Hester		CAMEL	Whalebone Selim mare			
	Monimia	Muley Precipitate mare				
71	Blair Athol 1861 Brother to Breadalbane 1862	Stockwell 1849	The Baron	Birdcatcher	Sir Hercules	Whalebone Peri
					Guiccioli	Bob Booty Flight
				Echidna	Economist	Whisker Floranthe
					Miss Pratt	Blacklock Gadabout
			Pocahontas	Glencoe	Sultan	Selim Bacchante
					Trampoline	Tramp Web
			Marpessa	Muley	Orville Eleanor	
	Clare	Marmion Harpalice				
	Blink Bonny 1854	Melbourne	Humphrey Clinker	Comus	Sorcerer Houghton Lass	
				Clinkerina	Clinker Pewet	
		Daughter of	Cervantes	Don Quixote Evelina		
			Daughter of	Golumpus Paynator mare		
	Queen Mary	Gladiator	Partisan	Walton Parasol		
			Pauline	Moses Quadrille		
Daughter of	Plenipotentiary	Emilius Harriet by Pericles				
	Myrrha	Whalebone Gift				

72	Lord Lyon 1863	Stockwell 1849	The Baron	Birdcatcher	Sir Hercules	Whalebone Peri
					Guiccioli	Bob Booty Flight
			Echidna	Economist	Whisker Floranthe	
				Miss Pratt	Blacklock Gadabout	
		Pocahontas	Glencoe	Sultan	Selim Bacchante	
				Trampoline	Tramp Web	
	Marpessa	Muley	Orville Eleanor			
		Clare	Marmion Harpalice			
	Paradigm 1852	Paragone	Touchstone	Camel	Whalebone Selim mare	
				Banter	Master Henry Boadicea	
			Hoyden	Tomboy	Jerry Ardrossan mare	
				Rocbana	Velocipede Miss Garforth	
Ellen Horne		Redshank	Sandbeck	Catton Orvillina		
			Johanna	Selim Skyscraper mare		
Delhi	Plenipotentiary	Emilius Harriet				
	Fawn Junior	Waxy Fawn				
73	Lollypop 1873	Souvenir 1859	Caravan 1834	Camel	Whalebone	Waxy Penelope
					Daughter of	Selim Maiden
			Wings	The Flyer	Vandyke Junior Azalie	
				Oleander	Sir David Whiskey mare	
		Emilia 1844	Y. Emilius	Emilius	Orville Emily	
				Cobweb	Phantom Filagree	
		Juanita	Lottery	Tramp Mandrake		
			Xarifa	Moses Rubens		
	Sugarstick 1865	Stockwell 1849	The Baron	Birdcatcher	Sir Hercules by Whale- Guiccioli bone	
				Echidna	Economist Miss Pratt	
			Pocahontas	Glencoe	Sultan Trampoline	
				Marpessa	Muley Clare	
		Ratlagoom 1857	Sweetmeat	Gladiator	Partisan Pauline	
				Lollypop	Starch or Voltaire Belinda	
	Biddy	Bran	Humphrey Clinker Velvet			
		Idalia	Peruvian Musidora			

74	Favonius 1868	Parmesan 1857	Sweetmeat 1842	Gladiator 1833	Partisan 1811	Walton Parasol
					Pauline 1826	Moses Quadrille
			Lollypop 1836	Starch 1819 (or Voltaire)	Waxy Pope Miss Stavely	
				Belinda 1825	Blacklock Wagtail	
		Gruyère 1851	Verulam 1833	Lottery 1820	Tramp Mandane	
				Wire 1811	WAXY Penelope	
		Jennala 1844	Touchstone 1831	Camel Banter		
			Emma 1824	Whisper by WAXY Gibside Fairy		
	Zephyr 1862	King Tom 1851	Harkaway 1834	Economist 1825	Whisper Floranthe	
				Daughter of 1823	Nabocklish Miss Tooley	
		Pocahontas 1837	Glencoe 1831	Sultan Trampoline		
			Marpessa 1830	Muley Clare		
	Mentmore Lass 1850	Melbourne 1834	Humphrey Clinker 1822	Comus Clinkerina		
			Daughter of 1825	Cervantes Golumpus mare		
		Esmeralda 1841	Defence 1824	Whalebone by WAXY Defiance		
			Emilana 1829	Emilius Whisper mare		
75	Hermit 1864	Newminster 1848	Touchstone 1831	Camel 1822	Whalebone 1807	Waxy 1790 Penelope 1798
					Daughter of 1812	Selim 1802 Maiden 1801
			Banter 1826	Master Henry 1815	Orville 1799 Miss Sophia 1805	
				Boadicea 1807	Alexander 1782 Brunette	
			Beeswing 1833	Dr. Syntax 1811	Paynator 1791	Trumpator 1782 Mark Anthony mare
					Daughter of	Beningbrough Jenny Mole
			Daughter of 1817	Ardrossan 1809	John Bull Miss Whip 1793	
				Lady Eliza 1813	Whitworth 1805 Spadille mare 1793	
		Seclusion 1857	Tadmor 1846	Ion 1835	Cain 1822	Paulowitz 1813 Paynator mare 1810
					Margaret 1831	Edmund 1824 Medora 1811
			Palmyra 1838	SULTAN 1816	Selim 1802 Bacchante 1809	
				Hester 1832	Camel 1822 Monimia 1821	
		Miss Sellon 1851	Cowl 1842	Bay Middleton 1833	SULTAN 1816 Cobweb 1821	
				Crucifix 1837	Priam Octaviana 1815	
			Belle Dame 1839	Belshazzar 1830	Blacklock 1814 Manuella 1809	
				Ellen 1831	Starch 1819 Cuirass 1823	

76	Kisber 1873	Buccaneer 1857	Wild Dayrell 1852	Ion 1835	Cain 1822	Paulowitz 1813 Paynator mare 1810	
					Margaret 1831	EDMUND 1824 by Orville Medora 1811	
				Ellen Middleton 1846	Bay Middleton 1833	Sultan 1816 Cobweb 1821	
			Daughter of 1841	Little Red Rover 1827	Myrrha 1831	Malek 1824 Bessy 1815	
					Tramp 1810	Dick Andrews 1797 Gohanna mare 1803	
				Eclat 1830	Miss Syntax 1814	Paynator 1791 Beningbrough mare	
	Mineral Own sister to Mandragora 1863	Rataplan 1850	The Baron 1842	EDMUND 1824	Orville 1799 Emmeline 1817		
				Squib 1820	Soothsayer 1808 Berenice 1805		
			Pocahontas 1837	BIRDCATCHER 1833	Sir Hercules 1826 Guiccioli 1823		
				Echidna 1838	Economist 1825 Miss Pratt 1825		
			Manganese 1833	BIRDCATCHER 1833	Glencoe 1831	Sultan 1816 Trampoline 1825	
					Marpessa 1830	Muley 1819 Clare 1824	
Moonbeam 1838		Sir Hercules 1826		Whalebone 1807 Peri 1822			
		Guiccioli 1823		Bob Booty 1804 Flight 1809			
			Tomboy 1829	Jerry 1821 Ardrossan mare 1817			
			Lunatic 1818	Prime Minister Maniac 1806			
77		Lord Clifden 1860	Newminster 1848	Touchstone 1831	Camel	Whalebone	Waxy Penelope
						Daughter of	Selim Maiden
	Banter				Master Henry	Orville Miss Sophia	
	Beeswing 1833			Dr. Syntax	Boadicea	Alexander Brunette	
					Paynator	Trumpator Mark Anthony mare	
				Daughter of	Daughter of	Beningbrough Jenny Mole	
	The Slave 1852	Melbourne 1834	Humphrey Clinker	Ardrossan	John Bull Miss Whip		
				Lady Eliza	Whitworth Spadille mare		
			Daughter of	Comus	Sorcerer Houghton Lass		
		Clinkerina		Clinker Pewet			
		Voley 1845	Daughter of	Voltaire 1826	Cervantes	Don Quixote Evelina	
					Daughter of	Golumpus Paynator mare	
Martha Lynn 1836			Blacklock 1814	Whitlock Coriander mare			
		Daughter of	Phantom Overton mare				
			Mulatto 1823	Catton Desdemona by Orville			
			Leda 1824	Filho da Puta Treasure			

78	Teddington 1848	Orlando 1841	Touchstone 1831	Camel	Whalebone	Waxy Penelope by Crumpator
					Daughter of	SELIM Maiden
			Banter	Master Henry	Orville	
				Boadicea	Miss Sophia	
			Langar	SELIM	Buzzard	
				Daughter of	Alexander mare	
	Kite	Bustard	Bustard			
		Olympia	Olympia			
	Miss Twickenham 1838	Rockingham 1830	Humphrey Clinker	Comus	Sorcerer	
				Clinkerina	Houghton Lass	
		Medora	Swordsman	Clinker		
			Daughter of	Pewet		
		Election	Gohanna	Prizefighter		
			Chesnut Skim	Zara		
Daughter of		Stamford	Crumpator			
		Miss Judy	Peppermint			
Electress 1819		Election	Gohanna	Mercury		
			Chesnut Skim	HEROD mare		
Daughter of		Election	Gohanna	Woodpecker		
			Chesnut Skim	HEROD mare		
Daughter of	Election	Gohanna	Sir Peter			
		Chesnut Skim	Horatia			
Daughter of	Election	Gohanna	Alfred			
		Chesnut Skim	Manilla			
79	King Tom 1851	Harkway 1834	Economist	Whisker	Waxy	Pot-8-os
					Penelope	Maria
			Florranthe	Octavian	Trumpator	
				Caprice	Prunella	
			Nabocklish	Rugantino	Stripling	
				Butterfly	Oberon mare	
		Miss Tooley	Teddy the Grinder	Anvil		
			Lady Jane	Madcap		
		Sultan	Selim	Commodore		
			Bacchante	Highflyer mare		
		Trampoline	Tramp	Bagot		
			Web	Mother Brown		
	Muley	Orville	Asparagus			
		Eleanor	Stargazer			
Clare	Marmion	Sir Peter				
	Harpalice	Pauline				
Pocahontas 1837	Glencoe	Sultan	Buzzard			
		Trampoline	Alexander mare			
Marpessa	Muley	Orville	Williamson's Ditto			
		Eleanor	Mercury mare			
Clare	Muley	Orville	Dick Andrews			
		Eleanor	Gohanna mare			
Clare	Muley	Orville	Waxy			
		Eleanor	Penelope			
Clare	Muley	Orville	Beningbrough			
		Eleanor	Evelina			
Clare	Muley	Orville	Whiskey			
		Eleanor	Y. Giantess			
Clare	Muley	Orville	Whiskey			
		Eleanor	Y. Noisette			
Clare	Muley	Orville	Gohanna			
		Eleanor	Amazon			

80	George Frederick 1871 (Brother to Albert Victor)	Marsyas 1851	Orlando	Touchstone	Camel	WHALEBONE by Orbilly Selim mare
					Banter	Master Henry Boadicea by Alexander
				Vulture	Langar	Selim Walton mare
					Kite	Bustard Olympia
		Malibran 1830	Whisker	Orbilly	Pot-8-os Maria	
				Penelope	Trumpator Prunella	
		Garcia	Octavian	Stripling Oberon mare		
			Daughter of	Shuttle Katherine		
	Princess of Wales 1862	Stockwell	The Baron	Birdcatcher	Sir Hercules by WHALE- GUCCIOLI	
				Echidna	Economist Miss Pratt	
		Pocahontas	Glencoe	Sultan Trampoline		
			Marpessa	Muley Clare		
	The Bloomer	Melbourne	Humphrey Clinker	Comus Clinkerina		
			Daughter of	Cervantes Golumpus mare		
		Lady Sarah	Velocipede	Blacklock Coriander mare		
			Lady Moore Carew	Tramp Kite		
81	Adventurer 1859	Newminster 1848	Touchstone	Camel	Whalebone	Waxy Penelope by Trumpator
					Daughter of	Selim Maiden
				Banter	Master Henry	Orbilly by Beningbrough Miss Sophia
					Boadicea	Alexander Brunette
			Beeswing	Dr. Syntax	Paynator	Trumpator Mark Anthony mare
					Daughter of	Beningbrough Jenny Mole
			Daughter of	Ardrossan	John Bull Miss Whip	
				Lady Eliza	Whitworth X. Y. Z.'s dam	
		Palma 1840	Emilius	Orbilly	Beningbrough	King Fergus Herod mare
					Evelina	Highflyer Termagant
			Emily	Stamford	Sir Peter Horatia	
				Daughter of	Whiskey Grey Dorimant	
		Francesca	Partisan	Walton	Sir Peter Arethusa	
				Parasol	Pot-8-os Prunella	
			Miss Fanny's dam	Orbilly	Beningbrough Evelina	
		Daughter of		Buzzard Hornpipe		

82	Rustic 1863	Stockwell 1849	The Baron	Birdcatcher	Sir Hercules	Whalebone Peri
					Guiccioli	Bob Booty Flight
			Echidna	Economist	Whisker Floranthe	
				Miss Pratt	Blacklock Gadabout	
		Pocahontas	Glencoe	Sultan	Selim Bacchante	
				Trampoline	Tramp Web	
		Marpessa	Muley	Orville Eleanor		
	Clare		Marmion Harpalice			
	Village Lass 1851	Pyrhus the First	Epirus	Langar	Selim Walton mare	
				Olympia	Sir Oliver Scotilla	
		Fortress	Defence	Whalebone Defiance		
			Jewess	Moses Calendula		
	Maid of Hart	The Provost	The Saddler	Waverley Castrellina		
			Rebecca	Lottery Cervantes mare		
Martha Lynn		Mulatto	Catton Desdemona by Orville			
	Leda	Filho da Puta Treasure by Camillus				
83	Necklace 1860	The Fallow Buck 1845	Venison 1833	Partisan 1811	Walton 1799	Sir Peter Arethusa
					Parasol 1800	Pot-8-os Prunella
			Fawn 1823	Smolensko 1810	Sorcerer Wowski	
				Jerboa 1803	Gohanna Camilla	
			Plenary 1837	Emilius 1820	Orville 1799	Beningbrough Evelina
					Emily 1810	Stamford Whiskey mare
		Harriet 1819	Pericles 1809	Evander Precipitate mare		
			Daughter of 1812	Selim Pipylina		
		Bracelet 1852	Touchstone 1831	Camel 1822	Whalebone 1807	Waxy Penelope
					Daughter of 1812	Selim Maiden
		Manacle 1839	Banter 1826	Master Henry 1815	Orville Miss Sophia	
				Boadicea 1807	Alexander Brunette	
			Emilius 1820	Orville 1799	Beningbrough Evelina	
				Emily 1810	Stamford Whiskey mare	
Y. Maniac 1826	Tramp 1810	Dick Andrews Gohanna mare				
	Maniac 1806	Shuttle Anticipation				

84	Isoline 1860	Ethelbert 1850	Faugh-a-Ballagh	Sir Hercules 1826	Whalebone 1807	Waxy Penelope
					Peri 1822	Wanderer Thalestris
			Guiccioli 1823	Bob Booty 1804	Chanticleer Ierne	
				Flight 1809	Escape Y. Heroine	
			Espoir 1841	Liverpool 1828	Tramp 1810	Dick Andrews Gohanna mare
					Daughter of 1822	Whisker Mandane
	Esperance 1836	Lapdog 1823	Whalebone Canopus mare			
		Grisette 1825	Merlin Coquette			
	Bassishaw 1847	Prime Warden 1834	Cadland 1825	Andrew 1816	Orville Morel	
				Sorcery 1808	Sorcerer Cobbea	
		Zarina 1827	Morisco 1819	Muley Aquilina		
			Ina 1821	Smolensko Morgiana		
Miss Whinney 1838		Sir Hercules 1826	Whalebone 1807	Waxy Penelope		
			Peri 1822	Wanderer Thalestris		
Euphrosyne 1819	Comus 1809	Sorcerer Houghton Lass				
	Daughter of	Shuttle Drone mare				
85	Feu de Joie 1859	Longbow 1849	Ithuriel	Touchstone	Camel	Whalebone Selim mare
					Banter	Master Henry Boadicea
			Verbena	Velocipede	Blacklock Juniper mare	
				Rosalba	Milo Rubens' sister	
			Miss Bowe	Catton	Golumpus	Gohanna Catherine
					Lucy Gray	Timothy Lucy
	Wagtail's dam	Orville	Beningbrough Evelina			
		Miss Grimstone	Weasel Ancaster mare			
	Jeu d'Esprit 1852	Flatcatcher	Touchstone	Camel	Whalebone Selim mare	
				Banter	Master Henry Boadicea	
		Decoy	Filho da Puta	Haphazard Mrs. Barnet		
			Finesse	Peruvian Violante		
		Extempore 1840	Emilius	Orville	Beningbrough Evelina	
				Emily	Stamford Whiskey mare	
	Maria	Whisker	Waxy Penelope			
Gibside Fairy		Hermes Vicissitude				

86	Das Veilchen 1868		Cavendish 1856	Voltigeur 1847	Voltaire 1826	Blacklock 1814	Whitelock Coriander mare 1799	
						Daughter of 1816	Phantom 1808 Overton mare 1802	
				Martha Lynn 1837	Mulatto 1823	Catton 1809 Desdemona 1811		
					Leda 1824	Filho da Puta 1812 Treasure		
				Countess of Burlington 1850	Couchstone 1831	Camel 1822	Whalebone 1807 Selim mare 1812	
	Banter 1826	Master Henry 1815 Boadicea 1807						
	Lady Emily 1842	Muley Moloch 1830	Muley 1810 Nancy 1813					
		Caroline 1828	Whisker 1812 Gibside Fairy 1811					
	86	Das Veilchen 1868		Vanessa 1861	Newminster 1848	Couchstone 1831	Camel 1822	Whalebone 1807 Selim mare 1812
							Banter 1826	Master Henry 1815 Boadicea 1807
Beeswing 1833					Dr. Syntax 1811	Paynator 1791 Jenny Mole		
					Daughter of 1817	Ardrossan 1809 Lady Eliza 1813		
The Heiress 1853					Birdcatcher 1833	Sir Hercules 1826	Whalebone 1807 Peri 1822	
		Guiccioli 1823	Bob Booty 1804 Flight 1809					
Inheritress 1840		The Saddler 1828	Waverley 1817 Castrellina 1823					
		Executrix 1836	Liverpool 1828 Handmaiden 1817					
87		Seclusion 1857		Tadmor 1846	Ion 1835	Cain 1822	Paulowitz 1813	Sir Paul Evelina
								Daughter of 1810	Paynator Delpini mare
	Margaret 1831				Edmund 1824	Orville Emmeline		
					Medora 1811	Selim Sir Harry mare		
	Sultan 1816				Selim 1802	Buzzard Alexander mare		
		Bacchante 1809	Williamson's Ditto Mercury mare					
	Hester 1832	Camel 1822	Whalebone Selim mare					
		Monimia 1821	Muley Precipitate mare					
	Bay Middleton 1833	Sultan 1816	Selim 1802	Selim 1802 Bacchante 1809				
			Cobweb 1821	Phantom 1808 Filagree 1815				
	Crucifix 1837	Priam 1827	Emilius Cressida					
		Octaviana 1815	Octavian 1807 Shuttle mare					
	Belshazzar 1830	Blacklock 1814	Whitelock Coriander mare					
		Manuella 1809	Dick Andrews Mandane					
	Ellen 1831	Starch 1819	Waxy Pope Miss Stavely					
Cuirass 1823		Oiseau Castanea						
87	Seclusion 1857		Miss Sellon 1851	Palmyra 1838	Sultan 1816	Selim 1802	Buzzard Alexander mare	
						Bacchante 1809	Williamson's Ditto Mercury mare	
				Hester 1832	Camel 1822	Whalebone Selim mare		
					Monimia 1821	Muley Precipitate mare		
				Bay Middleton 1833	Sultan 1816	Selim 1802	Selim 1802 Bacchante 1809	
	Cobweb 1821	Phantom 1808 Filagree 1815						
	Crucifix 1837	Priam 1827	Emilius Cressida					
		Octaviana 1815	Octavian 1807 Shuttle mare					
	Belshazzar 1830	Blacklock 1814	Whitelock Coriander mare					
		Manuella 1809	Dick Andrews Mandane					
	Ellen 1831	Starch 1819	Waxy Pope Miss Stavely					
		Cuirass 1823	Oiseau Castanea					

88 Ghuznee 1838	Pantaloons 1824	Castrel 1801	Buzzard 1787	Woodpecker	Herod Miss Ramsden
				Misfortune	Dux Curiosity
			Daughter of 1790	Alexander	Eclipse Grecian Princess
		Daughter of		Highflyer Alfred mare	
		Idalia 1815	Peruvian 1806	Sir Peter	Highflyer Papillon
				Daughter of	Boudrow Escape's dam
	Musidora 1804		Meteor	Eclipse Merlin mare	
		Maid of all Work	Highflyer Syphon mare		
	Languish 1830	Cain 1822	Paulowitz 1813	Sir Paul	Sir Peter Pewet
				Evelina	Highflyer Termagant
			Daughter of 1810	Paynator	Trumpator Mark Anthony mare
		Daughter of		Delpini Y. Marske mare	
		Lydia 1822	Poulton 1805	Sir Peter	Highflyer Papillon
				Fanny	Diomed Ambrosia
	Variety 1808		Hyacinthus	Coriander Rosalind	
		Swordsman's sister	Weasel Turk mare		
89 Emma 1824	Whisker 1812	Waxy 1790	Pot-8-os	Eclipse	Marske Spiletta
				Sportsmistress	Sportsman Goldenlocks
			Maria	Herod	Tartar Cyron
		Lisette		Snap Miss Windsor	
		Penelope 1798	Trumpator	Conductor	Matchem Snap mare
				Brunette	Squirrel Dove
	Prunella		Highflyer	Herod Rachel	
		Promise	Snap Julian		
	Gibside Fairy 1811	Hermes 1790	Mercury	Eclipse	Marske Spiletta
				Daughter of	Tartar Mogul mare
		Rosina	Woodpecker	Herod Miss Ramsden	
			Petworth	Precipitate Woodpecker mare	
	Vicissitude 1800	Pipator	Imperator	Conductor Herod mare	
			Brunette	Amaranthus Mayfly	
		Beatrice	Sir Peter	Highflyer Papillon	
Pyrrha	Matchem Duchess				

90	Snowdrop 1843		Heron 1833	Bustard 1813	Castrel	Buzzard	Woodpecker Misfortune		
						Daughter of	Alexander Highflyer mare		
				Miss Hap	Shuttle	Y. Marske Vauxhall Snap mare			
					Haphazard's sister	Sir Peter Miss Hervey			
				Daughter of 1827	Orville	Sorcerer	King Fergus Herod mare		
						Evelina	Highflyer Termagant		
	Rosanne.	Dick Andrews	Joe Andrews Highflyer mare						
		Rosette	Beningbrough Rosamond						
	Fairy 1823		Filho da Puta 1812	Haphazard	Sir Peter	Highflyer Papillon			
					Miss Hervey	Eclipse Clio			
			Mrs. Barnet	Waxy	Pot-8-os Maria				
				Daughter of	Woodpecker Heinel				
			Britannia 1813	Orville	Sorcerer	King Fergus Herod mare			
					Evelina	Highflyer Termagant			
	Daughter of	Coriander	Pot-8-os Levander						
		Swordsman's sister	Weasel Turk mare						
	91		Canezou 1844		Melbourne 1834	Humphrey Clinker	Comus	Sorcerer	Trumpator Y. Giantess
								Houghton Lass	Sir Peter Alexina
Clinkerina						Clinker	Sir Peter Hyale		
						Pewet	Tandem Termagant		
Daughter of						Cervantes	Don Quixote	Eclipse Grecian Princess	
							Evelina	Highflyer Termagant	
Daughter of			Golumpus	Gohanna Catherina					
			Daughter of	Paynator Zodiac's sister					
Madame Pelerine 1832			Velocipede	Blacklock	Whitelock	Hambletonian Rosalind			
					Daughter of	Coriander Wildgoose			
			Daughter of	Juniper	Whiskey Hospitality's sister				
				Daughter of	Sorcerer Sir Peter mare				
			Baleine	Whalebone	Waxy	Pot-8-os Maria			
					Penelope	Trumpator Prunella			
Vale Royal			Sorcerer	Trumpator Y. Giantess					
			Orangeade	Whiskey Orange Bud					

92 Alice Hawthorn 1838	Muley Muloch 1830	Muley	Orville	Beningbrough	King Fergus Herod mare
				Ebelina	Highflyer Termagant
		Eleanor	Whiskey	Saltram Calash	
				Y. Giantess	Diomed Giantess
		Nancy	Dick Andrews	Joe Andrews	Eclipse Amaranda
				Daughter of	Highflyer Cardinal Puff mare
	Spitfire	Beningbrough	King Fergus Herod mare		
		Daughter of	Y. Sir Peter Engineer mare		
	Rebecca 1831	Lottery	Tramp	Dick Andrews	Joe Andrews Highflyer mare
				Daughter of	Gohanna Fraxinella
		Mandane	Pot-8-os	Eclipse Sportsmistress	
			Y. Camilla	Woodpecker Camilla	
Daughter of		Cervantes	Don Quixote	Eclipse Grecian Princess	
			Ebelina	Highflyer Termagant	
Anticipation	Beningbrough	King Fergus Herod mare			
	Expectation	Herod Skim mare			
99 Newminster 1848	Touchstone 1831	Camel 1822	Whalebone 1807	Waxy	Pot-8-os Maria
				Penelope	Crumpator Prunella
		Daughter of 1812	Selim	Buzzard Alexander mare	
			Maiden	Sir Peter Phenomenon mare	
		Banter 1826	Master Henry 1815	Orville	Beningbrough Evelina
				Miss Sophia	Stamford Sophia
	Boadicea 1807	Alexander	Eclipse Grecian Princess		
		Brunette	Amaranthus Mayfly		
	Beeswing 1833	Dr. Syntax 1811	Paynator 1791	Crumpator	Conductor Brunette
				Daughter of	Mark Anthony Signora
		Daughter of	Beningbrough	King Fergus Herod mare	
			Jenny Mole	Carbuncle Prince T. Quassow mare	
		Daughter of 1817	Ardrossan 1809	John Bull	Fortitude Xantippe
				Miss Whip	Volunteer Wimbleton
	Lady Eliza 1813	Whitworth	Agonistes Jupiter mare		
X. Y. Z.'s dam		Spadille Sylvia			

94	Knowsley's Dam 1853		Orlando 1841	Touchstone 1833	Camel 1822	Whalebone Selim mare				
					Banter 1826	Master Henry Boadicea				
				Vulture 1834	Langar 1817	Selim Walton mare				
					Kite 1821	Bustard Olympia				
			Brown Bess 1844	Camel 1822	Whalebone 1807	Waxy Penelope				
					Daughter of 1812	Selim Maiden				
				Daughter of 1829	Brutandorf 1821	Blacklock Mandane				
					Mrs. Cruikshanks	Welbeck Tramp's dam				
			95	Kincsem 1874		Cambuscan 1861	Newminster 1848	Touchstone 1831	Camel	Whalebone Selim mare
									Banter	Master Henry Boadicea
Beeswing 1833	Dr. Syntax	Paynator Beningbrough mare								
	Daughter of	Ardrossan Lady Eliza								
The Arrow 1850	Slane 1833	Royal Oak					Catton Smolensko mare			
		Daughter of					Orville Epsom Lass			
Southdown 1836	Defence	Whalebone Defiance								
	Feltona	X. Y. Z. Janetta								
Water Nymph 1860	Cotswold 1853	Newcourt 1840				Sir Hercules	Whalebone Peri by Wanderer			
						Sylph	Spectre Fanny Leigh			
	Aurora 1848	Pantaloon				Castrel Idalia				
		Lady				Ziganee by Tramp Octaviana				
	Mermaid 1853	Melbourne 1839				Humphrey Clinker	Comus Clinkerina			
						Daughter of	Cervantes Golumpus mare			
Seaweed 1841	Slane	Royal Oak Orville mare								
	Seakale	Camel Seabreeze								

96	Bal Gal 1878	Adventurer 1859	Newminster 1848	Cauchstone 1831	Camel	Whalebone Selim mare
					Banter	Master Henry Boadicea
				Beeswing 1833	Dr. Syntax	Paynator Beningbrough mare
			Daughter of		Ardrossan Lady Eliza	
			Palma 1840	Emilius 1820	Orville	Beningbrough Evelina
					Emily	Stamford Whiskey mare
	Francesca 1829	Partisan		Walton Parasol		
		Daughter of	Orville Buzzard mare			
	Cantinière 1870	Stockwell 1849	The Baron 1842	Birdcatcher	Sir Hercules Guiccioli	
				Echidna	Economist Miss Pratt	
			Pocahontas 1837	Glencoe	Sultan Trampoline	
				Marpessa	Muley Clare	
		Cantine 1856	Orlando 1841	Cauchstone	Camel Banter	
				Vulture	Langar Kite	
Vivandière 1848			Voltaire	Blacklock Phantom mare		
			Martha Lynn	Mulatto Leda		
97	Thebais 1878	Hermit 1864	Newminster 1848	Cauchstone 1831	Camel 1822	
					Banter 1826	
				Beeswing 1833	Dr. Syntax 1811	
			Ardrossan mare 1817			
			Seclusion 1857	Tadmor 1846	Ion 1835	
					Palmyra 1838	
		Miss Sellon 1851		Cowl 1842		
		Devotion 1869	Stockwell 1849	The Baron 1842	Birdcatcher 1833	
					Echidna 1838	
				Pocahontas 1837	Glencoe 1831	
			Marpessa 1830			
			Alcestis 1860		Cauchstone 1831	Camel 1822
				Banter 1826		
		Sacrifice		Voltaire 1826		
Virginia 1835						

98	Walpurgis 1878	Trumpeter 1856	Orlando 1841	Touchstone 1831	Camel 1822	
					Banter 1826	
				Vulture 1833	Langar 1817	
					Kite 1821	
			Cavatina 1845	Redshank 1833	Sandbeck 1818	
				Johanna 1813		
		Das Veichen 1868	Cavendish 1856	Oxygen 1828	Emilius 1820	
					Whizgig 1819	
			Vanessa 1861	Voltigeur 1847	Voltaire 1826	
					Martha Lynn 1837	
	Countess of Burlington 1850		Touchstone 1831			
		Lady Emily				
		Newminster 1848	Touchstone 1831			
			Beeswing 1833			
		Heiress 1853	Birdcatcher 1833			
			Inheritress 1840			
99	Scottish Chief 1861	Lord of the Isles 1852	Touchstone 1831	Whalebone 1807	Waxy Penelope	
					Daughter of 1812	Selim Maiden
			Banter 1826	Master Henry 1815	Orbille Miss Sophia	
				Boadicea 1807	Alexander Brunette	
			Pantaloan 1824	Castrel 1801	Buzzard Alexander mare	
		Idalia 1815		Peruvian Musidora		
		Rebecca 1831	Lottery 1820	Tramp Mandane		
			Daughter of 1818	Cervantes Anticipation		
		Miss Ann 1846	The Little Known 1836	Muley 1810	Orbille 1799	Beningbrough Evelina
					Eleanor 1798	Whiskey Y. Giantess
			Lacerta 1816	Zodiac 1801	St. George Abigail	
				Jerboa 1803	Gohanna Camilla	
		Bay Missy 1842	Bay Middleton 1833	Sultan 1816	Selim Bacchante	
				Cobweb 1821	Phantom Filagree	
			Camilla 1832	Y. Phantom 1822	Phantom Emmeline	
Speaker's sister 1817	Camillus Prime Minister's sister					

100	Wenlock 1869	Lord Clifden 1860	Newminster 1848	Touchstone 1831	Camel 1822	WHALEBONE Selim mare		
					Banter 1826	Master Henry Boadicea		
				Beeswing 1833	Dr. Syntax 1811	Paynator Beningbrough mare		
					Daughter of 1817	Ardrossan Lady Eliza		
			The Slave 1852	Melbourne 1834	Humphrey Clinker 1822	Comus Clinkerina		
					Daughter of 1825	Cervantes Golumpus mare		
	Volley 1845	Voltaire 1826	Blacklock Phantom mare					
		Martha Lynn 1836	Mulatto Leda					
	Mineral 1863	Rataplan 1850	The Baron 1842	Birdcatcher 1833	Sir Hercules Guiccioli			
				Echidna 1838	Economist Miss Pratt			
			Pocahontas 1837	Glencoe 1831	Sultan Trampoline			
				Marpessa 1830	Muley Clare			
		Manganese 1853	Birdcatcher 1833	Sir Hercules 1826	WHALEBONE Peri			
				Guiccioli 1823	Bob Booty Flight			
		Moonbeam 1838	Tomboy 1829	Jerry Ardrossan mare				
			Lunatic 1818	Prime Minister Maignak				
		101	Pero Gomez 1866	Beadsman 1855	Weatherbit 1842	Sheet Anchor 1832	Lottery 1820	Tramp Mandane
							Morgiana 1820	Muley Miss Stephenson
Miss Letty 1834						Priam 1817	Emilius Cressida	
						Daughter of 1815	Orville Buzzard mare	
Mendicant 1843	Touchstone 1831				Camel 1822	Whalebone Selim mare		
					Banter 1826	Master Henry Boadicea		
LADY MOORE CAREW 1830	Tramp 1810			Dick Andrews Gohanna mare				
	Kite 1821			Bustard Olympia				
Salamanca 1859	Student 1851			Chatham 1839	The Colonel 1825	Whisker My Lady's dam		
					Hester 1832	Camel Monimia		
	Daughter of 1840			Laurel 1824	Blacklock Wagtail			
				Flight 1831	Velocipede Miss Wilkes			
Bravery 1853	Gameboy 1842		Tomboy 1829	Jerry Ardrossan mare				
			LADY MOORE CAREW 1830	Tramp Kite				
Ennui 1843	Bay Middleton 1833		Sultan Cobweb					
	Blue Devils 1837		Velocipede Care					

102	Lambton 1850	The Cure 1841	Physician 1829	Brutandorf 1821	Blacklock 1814	Whitlock Coriander mare	
					Mandane 1800	Pot-8-os Y. Camilla	
				Primette 1820	Prime Minister 1810	Sancho Miss Hornpipe Teazle	
			Miss Paul 1811		Sir Paul Miss Dunnington		
			Morsel 1836	Mulatto 1823	Catton 1809	Golumpus Lucy Gray	
					Desdemona 1811	Orville Fanny	
	Linda 1825	Waterloo 1814	Walton Penelope				
		Cressida 1807	Whiskey Y. Giantess				
	Elphine 1837	Emilius 1820	Orville 1799	BENINGBROUGH 1791	King Fergus Herod mare		
				Evelina 1791	Highflyer Termagant		
			Emily 1810	Stamford 1794	Sir Peter Horatia		
				Daughter of 1799	Whiskey Grey Dorimant		
		Variation 1827	Bustard 1813	Castrel 1801	Buzzard Alexander mare		
				Miss Hap 1806	Shuttle Haphazard's sister		
Johanna Southcote 1811			BENINGBROUGH 1791	King Fergus Herod mare			
Lavinia 1802		Pipator Dick Andrews' dam					
103		Cossack 1844	Hetman Platoff 1836	Brutandorf 1821	Blacklock 1814	Whitlock 1803	Hambletonian Rosalind
						Daughter of 1799	Coriander Wildgoose
	Mandane 1800				Pot-8-os 1773	Eclipse Sportsmistress	
				Y. Camilla 1787	Woodpecker Camilla		
	Daughter of 1820			Comus 1809	SORCERER 1796	Trumpator P. Giantess	
					Houghton Lass 1801	Sir Peter Alexina	
		Marciana 1809	STAMFORD 1794	Sir Peter Horatia			
	Marcia 1797		Coriander Faith				
	Joannina 1835	Priam 1827	Emilius 1820	Orville 1799	Beningbrough Evelina		
				Emily 1810	STAMFORD Whiskey mare		
		Cressida 1807	Whiskey 1789	Saltram Calash			
			P. Giantess 1790	Diomed Giantess			
		Joanna 1830	Sultan 1816	Selim 1802	Buzzard Alexander mare		
				Bacchante 1809	Williamson's Ditto Calomel's sister		
Filagree 1815	Soothsayer 1808		SORCERER Goldenlocks				
	Web 1808	Waxy Penelope					

104 Ely 1861	Kingston 1849	Venison 1833	Partisan 1811	Walton 1799	Sir Peter 1784 Arethusa 1792
				Parasol 1800	Pot-8-os 1773 Prunella 1788
			Fawn 1823	Smolensko 1810	SORGERER 1796 Wowski 1797
		Queen Anne 1843	Slane 1833	Royal Oak 1823	Gohanna 1790 Camilla 1778
				Daughter of 1819	Catton 1809 Smolensko mare 1818
		Garcia 1823	Octavian 1807	Stripling 1795 Oberon mare	
	Daughter of 1803		Shuttle 1793 Katherine 1798		
	The Bloomer 1850	Melbourne 1834	Humphrey Clinker 1822	Comus 1809	SORGERER 1796 Houghton Lass 1861
				Clinkerina 1812	Clinker 1805 Pewet 1786
		Daughter of 1825	Cervantes 1806	Don Quixote 1784 Evelina 1791	
			Daughter of 1818	Golumpus 1802 Paynator mare 1810	
		Lady Sarah 1841	Velocipede 1825	Blacklock 1814	Whitelock 1803 Coriander mare
				Daughter of 1817	Juniper 1805 Sorcerer mare 1810
	Lady Moore Carew 1830	Tramp 1810	Dick Andrews 1797 Gohanna mare 1803		
Kite 1821			Bustard 1813 Olympia 1815		
105 See Saw 1865	Buccaneer 1857	Wild Dayrell 1852	Ion 1835	Cain 1822	Paulowitz Paynator mare
				Margaret 1831	Edmund Medora
		Ellen Middleton 1846	Bay Middleton 1833	Sultan Cobweb	
			Myrrha 1831	Malek Bessy	
		Daughter of 1841	Little Red Rover 1827	Tramp 1810	Dick Andrews Gohanna mare
				Miss Syntax 1814	Paynator Beningbrough mare
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		Squib 1820	Soothsayer Berenice		
	Margery Daw 1856	Brocket 1850	Melbourne 1834	Humphrey Clinker 1822	Comus Clinkerina
				Daughter of 1825	Cervantes Golumpus mare
		Miss Slick 1843	Muley Moloch 1830	Muley by Orville Nancy	
			Daughter of 1832	Whisker Sam mare	
		Protection 1845	Defence 1824	Whalebone 1807	WAXY Penelope
				Defiance 1816	Rubens Little Folly
Testatrix	Touchstone 1831	Camel Banter			
		Y. Worry	Emilius by Orville Worry		

106 Valentine 1833	Voltaire 1826	Blacklock 1814	Whitelock 1803	Hambletonian 1792 Rosalind 1788
			Daughter of 1799	Coriander 1786 Wildgoose 1792
		PHANTOM MARE 1816	Phantom 1808	Walton 1790 Julia 1799
			Daughter of 1802	Overton 1788 Gratitude's dam 1796
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			Banshee 1812	Sorcerer 1796 Blowing's dam 1796
		PHANTOM MARE 1816	Phantom 1808	Walton 1790 Julia 1799
			Daughter of 1802	Overton 1788 Gratitude's dam 1796



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e 1825
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{ King of Trumps 1849
D. by Viator
Hornsea 1832
D. by Cerberus

{ **Blackdrop** 1840
D. by Langar
The Cure 1841
D. by Mulatto
Cossack 1844
D. by Priam

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{ Physician 1829
D. by Prime Minister

{ Hetman Platoff 1836
D. by Comus

826
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{ Charles XII. 1836
D. by Prime Minister

{ Ben Webster 1857
D. by The Prime Warden
Fandango 1852
D. by Don John

{ Barnton 1844
D. by Mulatto

{ Tearaway 1838
D. by Whisker

{ **Voltigeur** 1847
D. by Mulatto

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{ ? Taurus 1826
D. by Woful

{ Turnus 1846
D. by Defence
John o'Gaunt 1838
D. by Partisan

1830
Andrews

{ Retriever 1836
D. by Whisker

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ntiary 1831
les

{ Chesterfield 1834
D. by Octavian

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{ Bantam 1843
D. by Dr. Syntax

ford

839
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{ Colsterdale 1848
D. by Tomboy
Van Tromp 1844
D. by Sandbeck
De Ruyter 1848
D. by Sandbeck
War Eagle 1844
D. by Sir Hercules

{ Van Galen 1853
D. by Inheritor
Ivan 1851
D. by Brutandorf

4
cklish

{ **King Tom** 1851
D. by Glencoe

{ D. by Glaucus
Phaeton 1865
D. by Storm

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II.

Godolphin Arabian

1724

- Cade 1734
- D. by Bald Galloway
- Matchem 1748
- D. by Partner
- Conductor 1767
- D. by Snap
- Trumpator 1782
- D. by Squirrel

Sorcerer 1796
D. by Diomed

Paynator 1791
D. by Mark Anthony

Comus 1809
D. by Sir Peter

Soothsayer 1808
D. by Delpini

Smolensko 1810
D. by Mentor

Dr. Syntax 1811
D. by Beningbrough

Humphrey Clinker 1822
D. by Clinker

Reveller 1815
D. by Beningbrough

Jerry 1821
D. by Orville

The Doctor 1839
D. by Lottery

Bran 1834
D. by Oiseau

Melbourne
1834
D. by Cervantes

Ascot 1822
D. by Rubens

Jeremy Diddler 1839
D. by Muley

Tomboy 1829
D. by Ardrossan

Jericho 1842
D. by Selim

West Australian
1850

- D. by Touchstone
- Sir Tatton Sykes 1843
- D. by Margrave
- Arthur Wellesley 1851
- D. by Launcelot

Prime Minister
1848

D. by Pantaloon

Young Melbourne
1855

D. by Pantaloon

Fernhill 1845
D. by Elis

Nutwith 1840 Knight of Kars
D. by Comus 1855
D. by Glencoe

III.

Florizel 1768
D. by Cygnet

Diomed 1777
D. by Spectator

Sir Archy
D. by Rockingham
Quiz 1798
D. by Matchem

Castrel 1801
D. by Alexander

Byerly-Turk
1689

Jigg 1705
D. by Old Spanker

Partner 1718
D. by a Barb

Tartar 1743
D. by Arab

Herod 1758
D. by Blaze

Woodpecker
1773
D. by Old Cade

Buzzard 1787
D. by Dux

Selim 1802
D. by Alexander

Rubens 1805
D. by Alexander
Stamford 1794
D. by Eclipse

Highflyer
1774
D. by Blank

Sir Peter Teazle
1784
D. by Snap

Walton 1799
D. by Dungannon

Sir Oliver 1800
D. by Diomed

Haphazard 1797
D. by Eclipse

Sir Paul 1802
D. by Tandem

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Templer 1873

D. by Touchstone

Maelstrom 1873

D. by Touchstone

Andred 1870

D. by Voltigeur

Clanronald 1873

D. by Newminster

Craig Millar 1872

D. by Fitz Roland

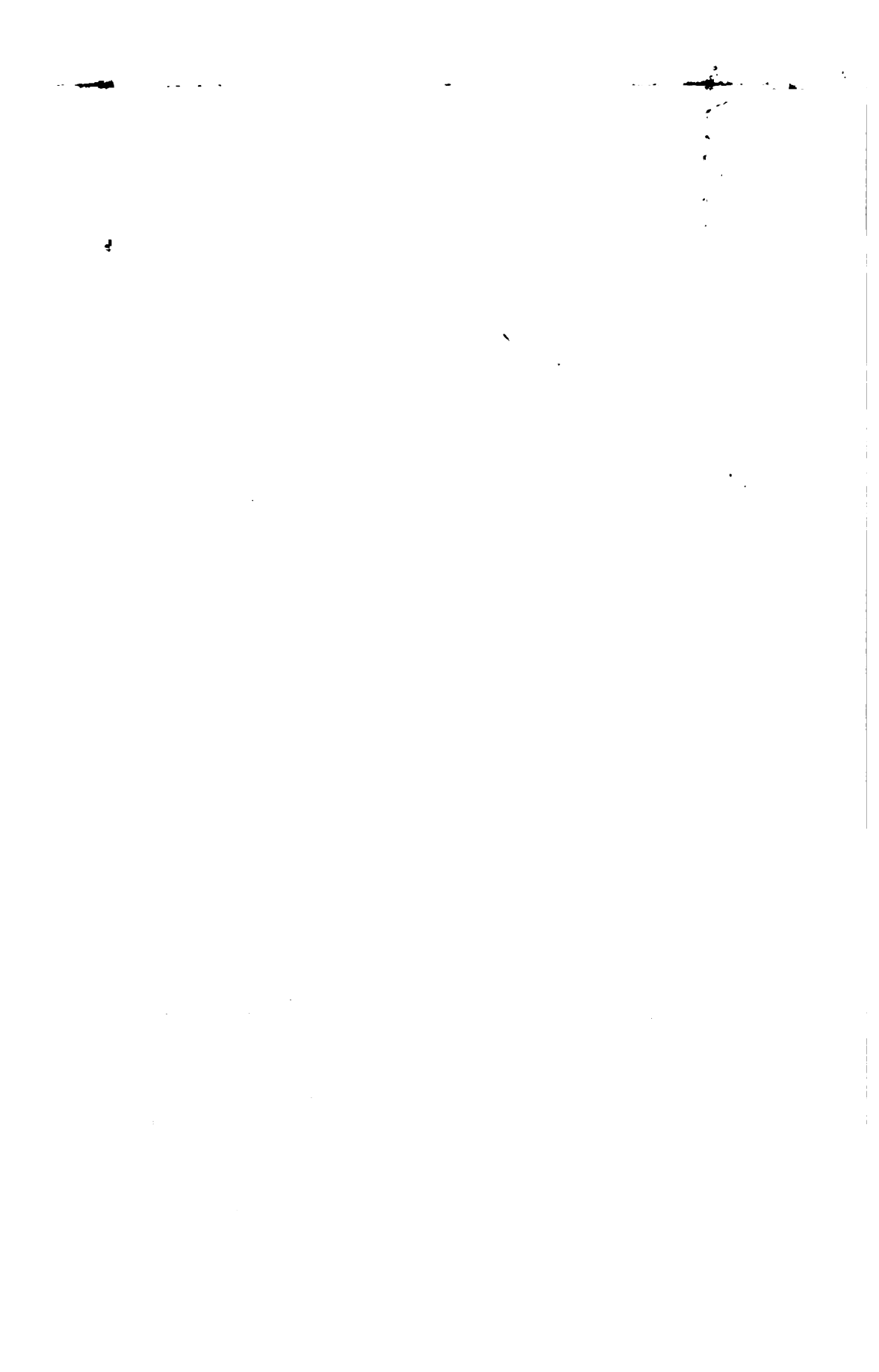
Thus 1866

D. by Touchstone

Prince Charlie

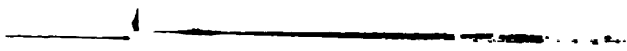
1869

D. by Surnlice



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1872



VI.

Weatherbit 1842
 D. by Priam

Bel Demonio 1861
 D. by Birdcatcher

Beadsman 1855
 D. by Touchstone

Brown Bread 1862
 D. by West Australian

Brown Tommy 1864
 D. by West Australian

Mandrake 1864
 D. by Rataplan

Neptunus 1859
 D. by Birdcatcher

Pero Gomez 1866
 D. by Student

The Palmer 1864 {
 D. by Cowl { Pellegrino 1874
 D. by Macaroni
 Grey Palmer 1872
 D. by Chanticleer

Rosicrucian 1862 {
 D. by Cowl { Chevron 1874
 D. by Stockwell
 Beauclerc 1875
 D. by Voltigeur

Blue Gown 1865 {
 D. by Stockwell { Vitus 1875
 D. by Birdcatcher
 Blue Rock 1876
 D. by Storm

Alvarez 1869
 D. by Student

Coeruleus 1872
 D. by Stockwell

The Jolly Friar 1873
 D. by Macaroni

Whitebait 1871
 D. by Lambton

Mango 1874
 D. by Knight of Kars

VII.

Voltigeur 1847

D. by Mulatto

Skirmisher 1854
D. by Gardham

The Ranger 1860
D. by Gardham

Cavendish 1856
D. by Touchstone

John Davis 1861
D. by Liverpool

Tibthorpe 1854
D. by The Cure

Vedette 1854
D. by Birdcatcher

Brennus 1866
D. by Stockwell

Virgilius 1858
D. by Emilius

Watchfire 1859
D. by Flatcatcher

Fortunio 1864
D. by Slane

Falkland 1867
D. by Faugh-a-Ballagh

Uhlán 1869
D. by Turnus
The Duke of Cambridge 1870
D. by King Tom

John Day 1873
D. by Buccaneer

? **Thurio** 1875
D. by Orlando

Speculum 1865
D. by Alarm

Rosebery 1872
D. by Newminster

Sefton 1875
D. by West Australian

Galopin 1872
D. by The Flying Dutchman

Hector 1872
D. by Saunterer

Double Zero 1873
D. by Phlegon

Wolfsberg 1866
D. by Bay Middleton

VIII.

King Tom 1851

D. by Glencoe

Dalesman 1863

D. by Pantaloon

Grouse 1858

D. by Melbourne

Kingcraft 1867

D. by Voltigeur

Marsworth 1871

D. by Fernhill or Gleam

King o' Scots 1867

D. by The Flying Dutchman

King of Diamonds 1857

D. by Defence

Old Calabar 1859

D. by Picaroon

Wingrave 1859

D. by The Cure

Coltness 1873

D. by Thormanby

King Hal 1863

D. by Newminster

King Lud 1869

D. by Voltigeur

King Alfred 1863

D. by Bay Middleton

Master Fenton 1859

D. by Touchstone

Mogador 1860

D. by Orlando

Restitution 1865

D. by Slane

Enchanteur 1870

D. by Chanticleer

Phaeton 1865

D. by Storm

Lowlander 1870

D. by Windhound

Bruce 1874

D. by Newcastle

Indian Ocean 1867

D. by Vortex

King Alfonso

D. by Vandal

Foxhall 1878

D. by Lexington

IX.

Prime Minister 1856
D. by Pantaloon

Arthur Wellesley 1851
D. by Launcelot

Sir Tatton Sykes 1843
D. by Margrave

Mentmore 1855
D. by Defence

Oulston 1852
D. by Muley Moloch

Melbourne
1834
D. by Cervantes

Young Melbourne 1855
D. by Pantaloon

West Australian 1850
D. by Touchstone

Brocket 1850
D. by Muley Muloch

Knight of the Garter 1864

D. by Touchstone

Mornington 1868

D. by Orlando

York Minster 1869

D. by Newminster

Przedswit 1872

D. by Stockwell

Syrian 1867

D. by Autocrat

Statesman 1869

D. by Orlando

Pell Mell 1869

D. by Voltigeur

General Peel 1861

D. by Orlando

Brother to Strafford 1860

D. by Gameboy

Strafford 1861

D. by Gameboy

The Earl 1865

D. by Orlando

Rapid Rhone 1860

D. by Lanercost or Retriever

Brother to Rapid Rhone 1859

D. by Lanercost or Retriever

Eole II. 1876

D. by The Baron

The Wizard 1857

D. by The Cure

Ruy Blas 1864

D. by Gladiator

Joskin 1856

D. by The Major

Lelio 1862

D. by Launcelot

Templier 1862

D. by Cotherstone

Palmerston 1867

D. by The Flying Dutchman

Earl of Dartrey 1872

D. by Rataplan

Lord Glasgow 1867

D. by Hobbie Noble

Goswin 1864

D. by St. Nicholas

Plebeian 1872

D. by Autocrat

X.

Monarque
1852
D. by Royal Oak

Le Maréchal 1860
D. by Sir Hercules

General 1868
D. by Festival

Boulogne 1866
D. by Ion

Gladiateur 1862
D. by Gladiator

Le Mandarin 1862
D. by Nuncio

Henry 1868
D. by Ion

Trocadero 1870
D. by Epirus

Hospodar 1860
D. by Emilius

Y. Monarque 1863
D. by Emilius

Longchamps 1861
D. by The Baron

Consul 1866
D. by Sir Hercules

Feu d'Amour 1871
D. by Ventre St. Gris

Don Carlos 1867
D. by The Baron

Patricien 1864
D. by Gladiator

Le Sarrazin 1865
D. by Gladiator

Lydon 1868

D. by Sesostris

Grand Coup 1868

D. by Stockwell

Lord Gough 1869

D. by Rataplan

Highborn 1870

D. by Faugh-a-Ballagh

Balagny 1874

D. by Fitz Gladiator

Le Drole 1873

D. by Black Eyes

Nougat 1872

D. by Gladiator

The Flying Dutchman

1846

D. by Sandbeck

Tourmalet 1862
 D. by The Baron
 Cape Flyaway 1857
 D. by Melbourne
 Amsterdam 1854
 D. by Elis

Dollar 1860
 D. by Slane

Y. Dutchman
 D. by Touchstone

Ellington 1853
 D. by Lanercost

Dutch Skater 1866
 D. by Gladiator

Ignoramus 1854
 D. by The Little Known

Schiedam 1865
 D. by Heron

Salvanos 1869
 D. by Ion

Fontainebleau 1874
 D. by Ion

Salvator 1872
 D. by Ion

St. Cyr 1872
 D. by Ion

Il Maestro 1869
 D. by Pantaloon

Patriarche 1874
 D. by I. Birdcatcher

Insulaire 1875
 D. by Beadsman

XII.

Wild Dayrell
1852
D. by Bay Middleton

Buccaneer 1857
D. by Little Red Rover

Allbrook 1866
D. by Daniel O'Rourke
Wild Oats 1866
D. by Harkaway
Guy Dayrell 1867
D. by King Tom
Idus 1867
D. by John o'Gaunt
The Rake 1864
D. by I. Birdcatcher

Cadet 1867
D. by Orlando

Kisbér 1873
D. by Rataplan

Kisbér öcsöcse 1877
D. by Rataplan

Paul Jones 1865
D. by Chanticleer

See Saw 1865
D. by Brocket

Vordermann 1873
D. by Stockwell

Flibustier 1867
D. by Stockwell

Waisenknabe 1872
D. by Stockwell

Balvany 1878
D. by Newminster

Nil Desperandum
1875
D. by Adventurer

Gamecock 1870
D. by Chanticleer

Count Zdenko 1867
D. by Caster

Good Hope 1873
D. by King Tom

Pirat 1874
D. by Fernhill

Oroszvár 1875
D. by St. Albans

