

PART-TIME FARMER

PART - TIME FARMER

An introduction to agriculture
as a part-time occupation
for
Retired Professional men and others
by
C. N. BARCLAY



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APPENDIX A.

LIST OF EQUIPMENT

This list is offered as a guide for an average holding, and can be adjusted to suit particular circumstances. It may appear to be on a somewhat lavish scale ; but, as pointed out in Chapter II, the reasonable duplication of tools and other equipment avoids much waste of time.

Items marked * are not regarded as essential, but may be very useful.

VEGETABLE GARDEN (about 500 sq. yds.).

- | | |
|---|---|
| 1 Wheel barrow. | 1 Water Can (large). |
| 2 Forks (large and small). | 2 Buckets. |
| 2 Spades (large and small). | 1 Powder sprayer (flit gun type). |
| 1 Shovel. | 1 Small hand sprayer (for liquid sprays). |
| 1 Trowel. | *2 doz. Small Tent Cloches. |
| 1 Hand Fork | *1½ doz. Large Tent Cloches. |
| 1 Dutch Hoe. | *1 doz. Large Barn Cloches. |
| 1 Draw Hoe. | *1 Hose (if piped water supply is handy). |
| 1 Onion Hoe. | *20 Wire netting seed guards. |
| *1 "Wrigley," or small pattern Cultivator. (See Chapter 2). | *1 pr. Hedge Clippers. |
| 1 Dibber. | 1 Reaping Hook. |
| 1 Garden Line. | 1 pr. Scissors. |
| 1 Rake. | 1 Garden Knife. |
| 1 Garden Sieve (half inch). | |

GREENHOUSE (Small).

- | | |
|----------------------------|-------------------------------|
| 12 small seed boxes. | 1 Trowel. |
| 6 large seed boxes. | 1 Teaspoon For transplant- |
| Assortment of flower pots. | 1 Kitchen Fork ing seedlings. |
| 1 Water Can (small). | 2 Buckets. |
| | 1 pr. Scissors. |

ORCHARD.

The following are suitable for an orchard of say three acres which is reasonably compact, and planted with Bush trees.

- | | |
|---|---|
| 1 Sprayer (Stirrup Pump or Knapsack type). | 1 Spade. |
| 1 Wheel barrow. | 1 Fork. |
| 1 Small Handcart. | 2 Draw Hoes. |
| 1 Reaping Hook. | 2 Buckets. |
| 1 pr. Steps (for picking and pruning upper branches). | 2 prs. Secateurs (or 2 pruning knives). |
| | 1 Small Saw. |
| | 6 Apple picking bags. |

Note :—If the orchard consists of standard (or half standard) trees a more powerful sprayer and ladders will be necessary.

SOFT FRUIT PLANTATION.

If this adjoins either the Vegetable Garden or Orchard, and is on a small scale, no special equipment will be necessary. If not some, or all, of the following will be required.

- | | |
|--|--|
| 1 Wheel barrow. | 1 Trowel. |
| 1 Sprayer (Stirrup Pump or Knapsack type). | 1 Hand Fork. |
| 1 Spade. | 1 pr. Secateurs (or 1 Pruning Knife). |
| 1 Fork. | 1 pr. Scissors. |
| 1 Draw Hoe. | Baskets for picking Fruit. |
| 1 Onion Hoe. | *1 doz. Large Tent Cloches (for bringing on an early row of Strawberries). |
| 1 Rake. | *Assortment of small flower pots for strawberry runners. |
| 1 Bucket. | |

POULTRY. (Chickens or Ducks for household purposes).

- 1 Poultry House.
- 2 Feeding Troughs (one in use, the other for the following day).
- 1 Water Trough.
- 1 Small Dust Bin (for storing balancer meal or grain).
- 1 Draw Hoe. For cleaning house.
- 1 Bucket.

Note :—The above are sufficient for up to ten or twelve birds for egg production. If table birds are also kept another poultry house (with feeding and water troughs) will be required. For chickens the "folding" type of combined house and run is best. (See Chapter IX).

If young chickens are to be reared coops for sitting hens, or a brooder (with feeding and drinking utensils) will be necessary.

BEEKEEPING EQUIPMENT.

- 1 Extractor.
- *1 Honey Ripener.
- Hives as required—each hive consisting of 1 floor board, 4 brood bodies, 1 crown board (in the case of single walled hives) and 1 roof.
- Feeders—1 per hive.
- Queen Excluders—1 per hive.
- Comb frames with comb—on a scale of 10 per brood body.
- Division boards—not less than 1 per brood body.
- Super clearing boards—1 for every 2 hives.
- 1 Uncapping Knife.
- *1 Uncapping Tray.
- 1 Veil.
- 1 pr. Gloves.
- 1 Hive Tool.
- 1 Smoker.
- 1 pr. Scissors.
- *1 Solar Wax Extractor.

Notes :—

1. Those going in for Section (or comb) Honey will require at least two Section racks per hive and a supply of Sections and Comb.
2. Some of the above terms may be too technical for the novice to understand, but reference to one of the books mentioned in Appendix B, or to a Bee Appliance Makers catalogue, will enlighten him.

WORKSHOP.

The following articles are suitable for a small workshop for making simple articles of equipment and carrying out repairs.

- 1 Carpenters Bench (with vice attached).
- 1 Jack Plane.
- 1 Smoothing Plane.
- *1 pr. Matching Planes.
- 2 Hammers (large and small).
- *1 Mallet.
- 2 Screw Drivers (large and small).
- 3 Chisels (varying sizes).
- 3 Gimlets (varying sizes).
- 2 Bradawls (large and small).
- 1 Rasp.
- 1 File.
- 1 Scraper.
- 1 Tenon Saw (10").
- 1 Medium sized Hand Saw (24").

- 1 Key Hole Saw.
- 1 pr. Pincers.
- 1 pr. Wire Cutters.
- 1 Brace and set of Bits.
- 1 Folding Rule.
- 1 Square.
- 2 Carpenters Pencils.
- 1 Hack Saw.
- 1 Hand Drill and Bits (for drilling holes in metal).
- 1 pr. Scissors.
- 1 Glass Cutter.
- Assorted Nails and Screws.
- 1 Stone and small Oil Can (for sharpening edged tools).

MISCELLANEOUS.

The following useful articles of equipment are for general use on the holding. They will not all be suitable for every Holding.

- 1 Ladder (15 to 20 rung).
- 1 Trailer for car.
- 2 Tarpaulins (for covering small hay ricks, etc.).
- 1 Two Handed Saw (for cutting very large timber).
- 1 Large Hand Saw.
- 1 Log Bench (for cutting up large timber).
- 1 Crow Bar (for making deep holes in ground for posts, etc).
- 1 Felling Axe.
- 1 Chopper.
- 1 Slasher.
- 1 Brushing Hook. For cutting hedges, nettles, docks, brambles,
- 1 Reaping Hook. long grass, etc.
- 1 Scythe.
- 2 Hay Forks.
- 1 Hay Rake.
- 1 Hay Knife.

Small stock of paint, creosote and suitable brushes for treating wood-work about the holding.

APPENDIX B.

LIST OF USEFUL BOOKS AND PERIODICALS .

This list is not exhaustive. It contains many books which I have read myself and a few which have been brought to my notice by friends.

Prices have not been given as these tend to vary when new editions appear.

Those marked * are out of print and can only be purchased second-hand.

GENERAL.

Books

This Plot of Earth.
(H. J. Massingham).

A treatise on the principles of production from the soil by a well known writer.

The Small Farmer.
(H. J. Massingham).

The Soil. (Sir A. D. Hall).

The Complete Woodworker.
(Cassells Handycraft Library).

A very good book on carpentering and the selection and care of tools.

Every Mans Own Lawyer.
(A. Barrister).

A useful book of reference on all legal matters.

Preserves from the Garden.
(Growmore Bulletin No. 3, issued by H.M. Stationery Office).

An excellent booklet on bottling ; jam ; chutney etc. making.

A simple System of Farm Book-keeping.

(Ministry of Agriculture and Fisheries Bulletin No. 58 issued by H.M. Stationery Office).

Rural Crafts. (E. V. Stone).

Note :—The National Federation of Young Farmer's Clubs (55 Gower Street, London, W.C.1.) issue a variety of publications on general farming, livestock keeping, etc., and these are strongly recommended. A few are listed under the various headings in this Appendix, but a complete list can be obtained from the above address.

Periodicals*The Estate Magazine.*

(Issued by the Country Gentlemen's Association Ltd.).

Monthly to all members.

The Countryman.

Quarterly. Address :—Burford, Oxford.

The Smallholder.

Weekly.

The Farmers Weekly.

Weekly.

The Farmer and Stockbreeder.

Weekly.

Monthly List of Statutory Rules and Orders.

Published by H.M. Stationery Office. (See Chapter III, Sec. V.).

BEEKEEPING.Books*Honeycraft.* (J. A. Lawson).

Very strongly recommended for beginners.

**Practical Beekeeping.*

(A. M. Sturges).

Very comprehensive and fairly advanced.

Honey Production.

(R. O. B. Manley).

Describes the working of a large scale bee farm, by a practical commercial honey producer.

Swarming—Its Control and Prevention. (L. E. Snelgrove).

Describes in detail the Author's well known system of swarm control.

Queen Rearing.

(L. E. Snelgrove).

A scientific but practical book, dealing with every aspect of this interesting subject. Strongly recommended.

Bee Keeping.

(Young Farmer's Club Booklet No. 2).

An elementary introduction to Beekeeping. Well illustrated.

**A Modern Bee Farm.*

(S. Simmins).

Although the first edition was published in 1888, this book contains many novel ideas and much of it is applicable to-day.

The Diseases of Bees : their signs, causes and treatment.

(Issued by the Apis Club).

An excellent scientific book, which should be studied by all serious beekeepers.

Periodicals*The Bee World.*

Monthly.

British Bee Keepers Journal.

Monthly.

*Note :—*Most County Beekeepers Associations issue a periodical (usually monthly) to their members.

ORCHARD AND SOFT FRUITS.Books

- Fruit Growing.*
(N. B. Bagenal). Deals with every aspect of the subject. Well illustrated. Strongly recommended.
- Fruit Growing for Small Gardens.*
(N. B. Bagenal). An abridged (and cheaper) version of the previous book.
- Tree Fruits.*
(Ministry of Agriculture and Fisheries Bulletin No. 2). Deals with Orchard Fruits in a practical and up-to-date manner.
- Fruit Production—Bush Fruits.*
(Ministry of Agriculture Fisheries Bulletin No. 4). A similar book to the previous one dealing with soft fruits.
- Mr. Middleton's Garden Book.*
(Published by the Daily Express). An excellent book by this well known war time expert, in the form of an encyclopædia. Also deals with vegetable and flower culture.
- The Cultivation of Berried Fruits in Great Britain.*
(Chas. H. Oldham).
- Fruit Growing for Amateurs.*
(H. H. Thomas).
- Harnessing the Hormone.*
(T. Swarbrick). The results of recent research work on what may prove to be a very important subject for fruit growers.
- Harvesting and Storing Garden Fruit.*
(R. G. W. Bush).

Periodicals

- Fruit, Flower and Vegetable Trades Journal* A useful publication for keeping abreast of controlled and market prices, changes in the law and Government orders. Also contains useful articles on fruit and vegetable culture.

POULTRY AND GOAT KEEPING.Books

- Good Poultry Keeping.*
(C. E. Fermor).
- Daily Express Domestic Poultry Book.*
- Poultry Keeping.*
(Young Farmer's Club Booklet No. 5).

Goat Keeping. An excellent introduction to goat keeping. Very well illustrated.
(Young Farmer's Club Booklet No. 8).

The Book of the Goat.
(H. S. Holmes Pegler).

Periodicals

Feathered World.

Poultry World.

Poultry Farmer.

Monthly Journal of the British Goat Society. Issued only to Members and Associates of the British Goat Society, and subscribers.

VEGETABLE GARDENING.

Books

The Vegetable Garden Displayed. A first class book. Very well illustrated.
(Issued by the Royal Horticultural Society).

How to Run an Allotment.
(Alec Bristow).

Food from the Garden.
(Growmore Bulletin No. 1, issued by H.M. Stationery Office).

Mr. Middletons Garden Book. An excellent book by this well known war time expert in the form of an encyclopædia. Also deals with fruit and flower culture.
(Published by the Daily Express).

Tomatoes.
(Ministry of Agriculture and Fisheries Bulletin No. 77, issued by H.M. Stationery Office).

Tomatoes and How to Grow Them.
(F. R. Castle).

Continuous Cloche Gardening. A comprehensive handbook on growing crops under cloches.
(W. E. Skewell-Cooper).

Periodicals

Fruit, Flower and Vegetable Trades Journal. A useful publication for keeping abreast of controlled and market prices, changes in the Law and Government Orders. Also contains useful articles on vegetable and fruit culture.

APPENDIX C.

LIST OF INDIVIDUALS AND FIRMS WHO SUPPLY EQUIPMENT, LIVESTOCK, ETC. SUITABLE FOR A HOLDING

Note :—Most of the names on this list are those with whom I have had personal dealings ; but a few dealers of known repute, and a few recommended to me by friends, have been included. The list is not exhaustive and many firms of the highest reputation are no doubt omitted—as I do not happen to have dealt with them or had their names brought to my notice.

GENERAL.

The Country Gentlemen's Association Ltd., Letchworth, Herts.

Supply every type of agricultural requirement—including livestock, fruit trees and bushes and seeds. The Association only does business with Members, and membership is strongly recommended.

Boots Chemists Ltd.

All branches of this well known firm have an agricultural department ; where fertilisers, insecticides, animal medicines and small articles of equipment can be purchased. This is a convenient method of making small purchases.

W. F. Woolworth & Co., Ltd., Stores.

All branches have an agricultural department and also sell the smaller types of garden and workshop tools.

Skinner, Board & Co., Bedminster, Bristol.

Manufacturers of greenhouses, cucumber frames, etc., specialising in designs made in metal. Also experts in greenhouse heating.

Harry Hebditch Ltd., Martock, Somerset.

Manufacturers of poultry houses and appliances, and portable buildings.

F. Praltn & Co., Ltd., Midsomer Norton, Bath.

Manufacturers of portable buildings and poultry houses—including the Apex Fold Unit.

VEGETABLE SEEDS, SEED POTATOES.

Sutton & Sons Ltd., The Royal Seed Establishment, Reading, Berks.

The Country Gentlemen's Association Ltd., Letchworth, Herts.

Chase Protected Cultivation Ltd., The Grange, Chertsey, Surrey.

This firm specialises in seeds of varieties most suitable for growing under cloches and in unheated frames and greenhouses.

W. Darlington & Sons Ltd., Southcourt Road, Worthing, Sussex.

Specialists in Mushroom spawn. This firm also supply an excellent pamphlet on Mushroom cultivation.

ORCHARD AND SOFT FRUIT, TREES AND BUSHES.

Laxton Bros., Bedford.

A well known firm with a high reputation for all types of orchard trees and soft fruits.

George Buryard & Co., Ltd., Maidstone, Kent.

George Pyne, Denver Nurseries, Topsham, Devon.

Blackmoor Nurseries, Liss, Hants.

Country Gentleman's Association Ltd., Letchworth, Herts.

Clarence Elliott Ltd., Six Hills Nurseries, Sevenage, Herts.

This firm specialise in Alpine Strawberries (see Chapter VIII, Sec. II.) and other Alpine plants.

The Four Oaks Spraying Machine Co., Four Oaks, Birmingham.

Specialists in the manufacture of every type of sprayer for orchard and bush fruits and for the vegetable garden.

POULTRY.

G. H. Kidner, West Green Farm, Poringland, Nr. Norwich, Norfolk.

A well known breeder of chickens—Rhode Island Reds, Black Leghorns and Black Leghorn-Rhode Island Red crosses.

B. G. Abbott, Attleborough, Norfolk.

Have a high reputation for many varieties of poultry—chickens and ducks.

Country Gentlemen's Association Ltd., Letchworth, Herts.

Can arrange supply of all kinds and breeds of poultry—also poultry houses and other equipment.

BEEKEEPING.

E. H. Taylor Ltd., Beehive Works, Welwyn, Herts.

J. T. Burgess & Son, 10 Goldsmith Street, Exeter, Devon.

R. Steele & Brodie Ltd., Bee Appliance Works, Wormit, Fife, Scotland.

The above firms all supply hives and other beekeeping appliances. Most bee appliance manufacturers also sell bees. Messrs. J. T. Burgess & Son, of Exeter, have a high reputation for supplying colonies of Italian and Caucasian bees. As the demand for bees greatly exceeds the supply orders should in all cases, be placed early—i.e. in the Autumn for the following Spring.

Douglas Roberts, The Bee Farm, Woolton Bridge, Isle of Wight.

A well known breeder of Queen Bees of Italian type.

APPENDIX 'D'

Date	Particulars	Voucher No.	Cash	Bank	Veg. Garden	Orchard	Soft Fruit	Poultry	Bees	Sundries -- Etc.
1947										
Jan.	1 Balance Cr.	-	4 5 6	98 10 0						
	3 J. Brown - Apples	1		49 8 0		49 8 0				
	11 S. Green - Honey	2	176						176	
	14 P. White - Logs	3		3 10 0						3 10 0
	22 F. Smith - Stock Cockerel	4	2 2 0					2 2 0		
						ETC.			ETC.	

NOTES:-

(a) In practice this account is kept in book form - this page (Receipts) on the left and the page overleaf (Payments) on the right. For reasons of space they are shown on separate pages in this Appendix. Analysis books can be purchased at most good stationers, or in Loose-Leaf form from the C.G.A.

(b) See overleaf for payments

SPECIMEN COMBINED BANK, CASH AND ANALYSIS BOOK (See Chapter 3) APPENDIX 'D'

PAYMENTS

[illegible]

APPENDIX E.

SPECIMEN EQUIPMENT BOOK (See Chapter 3).

DATE OBTAINED	PARTICULARS	LIFE & ANNUAL DEPRECIATION	VALUE				
			WHEN OBTAINED	1 ST JAN. 1944	1 ST JAN. 1945	1 ST JAN. 1946	1 ST JAN. 1947
3 Feb. '43.	1 Wheelbarrow	10 years 10/-	£5-0-0	£4-10-0	£4-0-0	£3-10-0	£3-0-0
17 July '43.	1 Poultry House	8 years £1-0-0	£8-0-0	£7-0-0	£6-0-0	£5-0-0	£4-0-0
		ETC.,	ETC.,	for 1943			
7 Mar. '44.	2 Beehives	12 years 5/- each	£6-0-0	—	£5-10-0	£5-0-0	£4-10-0
21 Dec. '44.	1 Garden Fork	10 years 3/-	£1-10-0	—	£1-7-0	£1-4-0	£1-1-0
		ETC.,	ETC.,	for 1944			
4 Apr. '45.	1 Fruit Sprayer	10 years £1-0-0	£10-0-0	—	—	£9-0-0	£8-0-0
29 Aug. '45	1 Saw	10 years 1/-	10-0	—	—	9-0	8-0
		ETC.,	ETC.,	for 1945			
		and	following	years.			

Notes:-

1. If the columns are allowed to extend over a full double page the book will last 10 or 12 years.
2. Although the first valuation after purchase covers a period of less than 12 months it is usual to deduct a full year's depreciation.

APPENDIX F.

LIST OF GOVERNMENT DEPARTMENTS, ASSOCIATIONS, EXPERIMENTAL AND RESEARCH STATIONS, ETC.

Note :—Addresses are subject to alteration—especially those of Government Departments.

(a) GOVERNMENT DEPARTMENTS.

Ministry of Agriculture and Fisheries.

55 Whitehall, London, S.W.1. (Main Office).

23/24 Soho Square, London, W.1.

Bickenhall Mansions, London, W.1.

27/30 Oxford Street, London, W.1.

Africa House, Kingsway, London, W.C.2.

Princeton House, 271 High Holborn, London, W.C.1.

99 Gresham Street, London, E.C.2.

St. Stephens House, Victoria Embankment, London, S.W.1.

Government Buildings, Heyhouse Lane, Lytham St. Annes,
Lancs.

Welsh Department, 17 Eastgate, Aberystwyth, Cardiganshire.

Agricultural Advisory Service.

Block 4, Bickenhall Mansions, London, W.1.

Department of Agriculture for Scotland

Fielden House, 10 Great College St., London, S.W.1.

Eire.

Department of Agriculture, Dublin.

H.M. Stationary Office.

York House, Kingsway, London, W.C.2.

Milk Marketing Board.

Thames Ditton, Surrey.

95 Bothwell Street, Glasgow, C.2.

County War Agricultural Executive Committees.

Offices, together with those of the various advisory Officers,
are normally located in the County Town of each County.

(b) ASSOCIATIONS, SOCIETIES AND INSTITUTIONS.

Agricultural Education Association.

Departement of Agriculture, Leeds University, Leeds.

Apis Club.

c/o Secretary, The Ways End, Foxton, Royston, Herts.

British Dairy Farmers Association.

17 Devonshire Street, London, W.1.

British Beekeepers Association.

c/o Secretary, 35 North Audley Street, London, S.W.1.

British Goat Society.

c/o Secretary, Roydon, Diss, Norfolk.

Central Landowners Association.

58 Victoria Street, London, S.W.1.

Country Gentlemen's Association Ltd.

Axtill House, Warwick Street, London, W.1.

Letchworth, Herts.

6 Commercial Street, St. Helier, Jersey, C.i.

64 Shipton Road, York.

C.G.A. House, 30 Melville Street, Edinburgh.

Hampton House, The Avenue, Twickenham, Middx.

Farmer's Club.

3 Whitehall Court, London, S.W.1.

National Farmers Union.

45 Bedford Square, London, W.C.1.

National Federation of Young Farmers Clubs.

55 Gower Street, London, W.C.1.

National Pig Breeder's Association.

Victoria House, Southampton Row, London, W.C.1.

National Utility Poultry Society.

c/o Hon. Secretary, West Moors, Dorset.

Property Owner's Protection Association.

c/o Secretary, Spencer House, 4 South Place, Finsbury,
London, E.C.2.

Royal Agricultural Society of England.

16 Bedford Square, London, W.C.1.

Royal Horticultural Society.

Vincent Square, London, S.W.1.

Women's Farm and Garden Association.

Corthauld House, Byng Place, London, W.C.1.

(c) EXPERIMENTAL AND RESEARCH STATIONS.**Horticultural Activities.**

The following deal with Vegetable and Fruit growing :—

East Malling Research Station, Kent.

Research Station, Long Ashton, Bristol.

Wye Agricultural College, Wye, Kent.

Seale/Hayne Agricultural College, Newton Abbot, Devon.

Reading University, Reading, Berks.

The Farm Institute, Bicton, East Budleigh.

Somerset Farm Institute, Cannington, Somerset.

East Anglian Agricultural Institute, Chelmsford, Essex.

Studley College, Studley, Warwickshire.

Herts. Agricultural Institute, Oaklands, St. Albans.

BEE RESEARCH.

In addition to other activities the Rothamsted Experimental Station, Harpenden, Herts, specialises in bee research work and the diagnosis of bee disease. In cases of suspected disease samples of bees, or comb, can be sent for examination.