



An Introduction to Jacob Sheep



Introduction

The Jacob Sheep Society.

The aims of the Society are to maintain and improve the Jacob Sheep breed and to promote and encourage interest in it both in the UK and abroad.

The Society maintains a flock book of all registered sheep which is published annually and can also be accessed on-line, encourages members to show their animals at regional and national shows and organises social and education activities for its members.

Improving The Breed

By setting a breed standard for registered sheep, the Society has improved the size and conformation of the breed from the light boned parkland sheep to the sturdy commercial animal of today.

The Society organise its own national sales where all entries are inspected to ensure that they comply with the breed standard. Newcomers to the breed can feel confident when buying stock at the official sales.

The regions organise open days and similar activities where members can meet and have an enjoyable day of seminars and other activities and can discuss issues or concerns with judges and field officers. The regions also hold flock assessments when member's flocks are judged on the holding as a complete breeding unit.

The Society encourages members to enter the show classes at local and national shows. Flock inspections as well as judging in the show ring are always carried out by experienced shepherds, appointed to a panel of judges by the Council.

Promoting The Breed

The Society promotes the breed and encourages membership of the Society by:

- ♣ Staging breed promotion stands at major agricultural shows to promote the qualities of the breed and to advise prospective Jacob flock owners.
- ♣ Producing articles for publication in the agricultural and smallholding press, to promote Jacob sheep and the range of products derived from them.
- ♣ Producing promotional literature.

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THINGS TO DO BEFORE YOU GET YOUR SHEEP

People new to sheep keeping can find this daunting and confusing, so the following checklist should help you be aware of what you will need to do.

Check the Rules

Rules do change and they vary in different parts of the UK. The best advice is check with the DEFRA website www.defra.gov.uk The 'Animal Disease', 'Animal Welfare' and 'Livestock Movements, ID & tracing' pages are all relevant. For Scotland go to

<http://www.scotland.gov.uk/Topics/farmingrural/Agriculture/animal-welfare>

Register with DEFRA

Whether you keep a few paddock grazers or a commercial flock, you need to be registered with DEFRA. Before moving livestock to your holding, you need a County Parish Holding (CPH) number for the land where the livestock will be kept. If you do not already have a CHP number, then you will need to phone DEFRA on 0300 0200 301 and ask to be allocated an agricultural holding reference number (Holding Number) for your land. You do not have to own the land.

Flock Number

Next you need to register with your local DEFRA Animal Health Office, on 0300 0200 301 and choose option APHA and ask to be allocated a flock number. You will need the Holding Number to get this. This is the UK flock number that will go on the ear tags of any sheep that you breed. They will also provide a helpful booklet on sheep husbandry. Having a Flock Number means that you are now a "Registered Keeper of Sheep" and will need to be aware of current legislation and requirements. These include:

- o Welfare legislation and codes of practice
- o Animal Identification requirements
- o Animal Movement requirements
- o Animal Transport requirements
- o Record keeping requirements
- o Disposal of dead animals

Codes of Practice

All the welfare codes of practice and sheep identification rules that you need can be found at www.defra.gov.uk. Go to the home page, click on Food and Farming and click on sheep and goats on the left-hand side of the page.

Electronic Identification or EID

Animal identification requirements have all changed again and from 1st Jan 2010 all Jacob sheep will need to carry double ID tags, one of which must be electronic and must be yellow. The UK number and individual ID are recorded on the chip and printed on the tag. The secondary tag can be any colour except yellow, black or red and must also show the UK number and individual ID but can also contain management information, e.g. flock name or a year letter. All stock destined for breeding must be identified in this way and any animal that is kept longer than one year of age. One year is taken as 30th June of the year following birth (so in fact more like 15 months). It will not be necessary to buy the equipment that reads the electronic tags.

Pedigree breeding stock will also need to carry the Jacob Sheep Society registration tag which connects the animal to its pedigree certificate and societies breeding. There are also some rules on missing and replacement tags (always an on-going problem), if an animal loses one tag, this can be replaced with an identical tag (if it loses an electronic tag, it will be possible to order an identical one from the tag supplier). If still on the holding of birth, it will be acceptable to replace both tags with new ones and to record this in the holding register. If it loses both tags and cannot be identified, or if it is not on the holding of birth, the replacement tags must be red.

Record Keeping Requirements

The paper work that you are going to need to keep includes Animal Movement Licenses (AML) You will also need to contact your local Trading Standard Office (this is a part of your County Council) and ask for some Animal Movement License, (AML1) forms, you can usually get these from your County Council website. A form has to be completed every time animal's move on to or off your holding. You need to send a copy of the AML to Trading Standards or Scottish Animal Movement Unit (SAMU) in Scotland and keep a copy for your records. Movements between land parcels with the same Holding (CPH) number, within 5 miles of the main holding, and the ownership/keepership of the animals remains the same, need not be recorded or reported. Movements between different CPH numbers where the ownership/keepership remains the same can be batch recorded (e.g. 20 sheep, UK123456 moved from A to B), these movements to be recorded on an AML1 and in the holding register. Movements between different CPH numbers where ownership/keepership changes will require individual animal's numbers to be recorded on the AML1 and in the holding register.

The Holding Register

You will be issued with a new style Holding Register when you become a sheep keeper.

This is a running record of all animals, births and deaths and records all sheep movements onto and off a holding. It is required for disease control purposes.

The Medicines Book

This is to record any medicines you administer to your stock, when, what dosage and the source of the medicines. This is useful because it also helps you to keep track of the dates on your worming and anti-fly strike treatments also it helps you to comply with the withdrawals of medicines requirements when sending stock for slaughter. Do not worry if you don't use a computer, DEFRA will send you the relevant documents on tagging, movements and your holding register book when you register as a keeper of sheep.

Transport Rules & Regulations

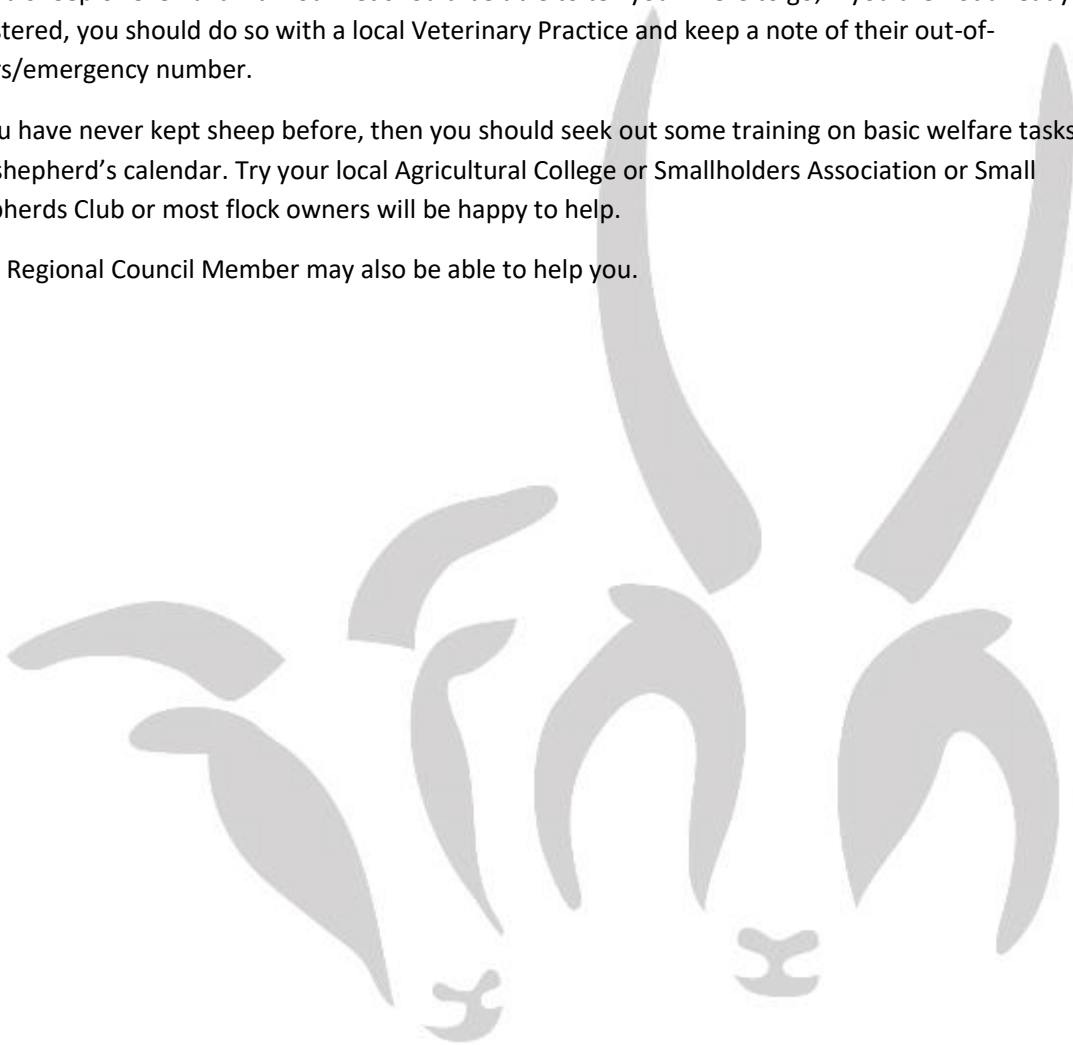
If you are going to transport your sheep and depending on how far, you may also require a Certificate of Competence for Transporting Livestock. Go to The NPTC website to find out. Younger people who took their driving test later than January 1997 will also need to take a trailer-towing test; this one is a DVL requirement.

Animal Disposal

In event of a death, you will need to locate your nearest incinerator or fellmonger. It is no longer legal to bury a sheep or even a lamb. Your vet should be able to tell you where to go, if you are not already registered, you should do so with a local Veterinary Practice and keep a note of their out-of-hours/emergency number.

If you have never kept sheep before, then you should seek out some training on basic welfare tasks and the shepherd's calendar. Try your local Agricultural College or Smallholders Association or Small Shepherds Club or most flock owners will be happy to help.

Your Regional Council Member may also be able to help you.



THINGS TO DO NOW YOU HAVE YOUR SHEEP

THEIR CARE AND SELECTION

Most people starting with a few sheep seem to have an orchard that needs grazing! Do remember that all animals have a tendency to bark young trees, particularly in the winter months and these will need protection with wire mesh around the trunks if this is to be discouraged. All sheep, of whatever breed, tend to look for escape holes in the perimeter fence and money spent on a few rolls of sheep netting will save many hours of frustration when they stray into the garden or join the neighbours flock! If possible, divide the grazing into more than one paddock -sheep benefit from a regular change of pasture and part of the ground will need a rest, especially in the winter months, if you are to benefit from early grazing in the spring. Above all, don't be tempted to overstock your small acreage when you first start, just because you have an abundance of grass. The grass will very soon disappear and will not have a chance to re-establish itself if it is being constantly grazed. Also do remember that one ewe very rapidly becomes three or four grazing mouths in the spring, as Jacobs are very prolific breeders and will usually produce two or even three lambs if kept in good condition.

The perfect water container is a low trough with a ball cock, but if this is not available, make sure that your alternative is wide enough for your sheep to drink in comfort - wide horns can make it difficult for sheep to drink from a half full bucket. Whatever you do, make sure that the water is always fresh and clear as sheep are very fastidious creatures.

CHOOSING YOUR FUTURE STOCK

Study a copy of the Jacob Breed Society standards which are a guideline in the choice of your sheep and are included in this leaflet. If you are buying for the first time at an Official Jacob Society Show and Sale, contact the Secretary and she may be able to find one of our Panel Judges, who would give you a little guidance. If a ewe or ewe lamb is what you have decided upon, it is best to keep two together, or certainly another sheep for company.

Try to choose a nicely rounded sheep with an evenly marked face, a broad chest with front legs well apart and a straight back with tail placed high on good quarters. Good strong horns evenly balanced and not in any way forward growing. Polled sheep are NOT accepted in the Flock Book. If you are buying an older sheep have a good look at its feet and teeth - a sheep has only one row of teeth on the bottom jaw, and these must meet the soft pad of the upper jaw when the mouth is closed.

Check that the teeth are all firm as a sheep is dependent upon its teeth for correct grazing. Run your finger along the front of the teeth and check that they meet the pad correctly and that the jaw is neither undershot nor overshot. If the ewe has already produced lambs, feel her udder to ensure that it is soft and supple with no tell-tale lumps that are a sign of mastitis.

FEEDING

This is difficult to generalise on, as it depends very much on the availability of good grazing. Ideally sheep prefer grass that is 2-3 inches high, and if your fields are always bare, it is probable that you have too many sheep on the ground. It would then be beneficial to reduce the number, otherwise your feed bill is likely to be very large.

Hay should be fed to the sheep as soon as the grass ceases to grow in the autumn. It should be sweet smelling with no tendency to dust or mould, and "well-made" hay will retain a certain amount of its natural green colour. Sheep prefer the softer meadow hay rather than hard, stalky seed hay. Hay should not be fed on the ground as it very quickly becomes tainted, and sheep will then not eat it. Hay nets should be avoided as horned sheep very easily become entangled and can hang or strangle themselves. If a galvanised hay rack is too expensive for a small flock, then home-made racks can easily be improvised out of weld mesh panels with a cover of some sort to keep the hay dry.

Do not use weld mesh that is too large as the hay pulls through too easily and much is wasted on the ground. Do not position the hay too high as the seeds will get into the eyes and also the neck wool of the sheep. All animals need minerals and either a lump of rock salt or a sheep Rockie (proprietary name) should be made available.

If the grazing is adequate, supplementary feeding need only be introduced during the last six weeks prior to lambing. Care must be taken in introducing corn feeding in order to avoid scouring. A quarter - half pound per head at first gradually increased to one and a half - two pounds just before lambing (Jacob ewes are prolific breeders and do tend to carry twin lambs so adequate feeding is essential to prevent twin lamb disease).

The feeding should be continued at the high rate until the grass is growing well in the spring, then it can be discontinued. Corn merchants can supply either a ewe and lamb course ration or a ewe and lamb pellet, and it is advisable to ask their advice about the products they stock.

LAMBING

If you want lambs in the spring and are new to keeping sheep, it might be advisable to buy older ewes rather than breed from a ewe lamb. Breeding from a yearling or "shearling" ewe will ensure better conception and strong lambs. The gestation period for sheep is five months or 147-150 days, and inexperienced breeders might be sensible to plan their lambing for the end of March or early April so that the young lambs can benefit from the spring grass.

Ewes come in season approximately every 16 days and need to remain with the ram for at least six weeks to ensure that they may be served at least twice. Some breeders may be willing to run your ewe with their ram for a few weeks and it is then usual to pay a ram fee and also a weekly keep charge. Remember that a ram should not be used on his dam or on his full sisters so minimising the risk of hereditary defects.

THE IN-LAMB EWE

Remember to dag (shearing away the fleece around the tail) in good time -preferably before tupping in the autumn. It is unwise to turn a ewe up when she is heavy in lamb, so foot-trimming should likewise be carried out in good time. Protection from the clostridial diseases can be given to the ewe, and through her colostrum (first milk) to the newborn lambs, by ensuring that she receives a full course of immunisation.

When you buy sheep, check whether they are on the Heptavac or Covexin systems (proprietary drug names) and make a note of the date of the last injection. Ewes already in the system merely require a booster injection given under the loose skin on the side of the upper neck or behind the shoulder, at least three weeks prior to lambing.

For sheep not previously vaccinated, a primary course of two injections four to six weeks apart is necessary.

SIGNS OF IMMINENT LAMBING

A week or so before lambing you will notice the ewe "bagging up" as her udder begins to swell. If it feels tight and heavy the lambs can usually be expected within the week. If, however, it is almost "electric" to touch and she is restless, not eating much, lying down and getting up with her tail held away from her body, then things are about to happen.

LAMBING

Jacob ewes are noted for their ease of lambing and more often than not will manage without any help. The correct presentation is front feet first with nose resting down on the fore legs and once two hooves appear the remainder of the lamb will quickly follow.

Once the lamb is born, quickly remove the mucous from its mouth and nose, and leave the ewe to stimulate its breathing with her licking. Should the lamb be slow to breathe do not be frightened to rub it hard and depress its lungs with your hand so encouraging it to breathe. If the ewe has a multiple birth and tends to favour one lamb so neglecting the other, then pen her in a confined space made with straw bales until you are satisfied that both lambs are up and feeding.

It is vital that newborn lambs receive colostrum (first milk) containing antibodies as early as possible and certainly within six hours of birth. If the lamb is too weak to suckle than the ewe should be milked and the lamb fed from a bottle with lamb teat or given colostrum through a stomach tube at the rate of 60 - 90cc per feed, depending on the size of the lamb. If the ewe has lambed in the field at night and the lambs appear chilled, they may easily suffer from hypothermia.

Even if only one lamb needs attention remove the whole litter temporarily or problems may arise later in getting the ewe to accept the treated lamb. The chilled lamb should be removed to a warm place - it can be lain on a hot water bottle, or the bottom oven of an AGA cooker is an ideal spot!

If your ewe has triplets, it might be wise to give one away as a cade or bottle reared lamb. If you wish to rear it yourself, remember that this is very time consuming as it will require bottle feeding every four hours to start with.

CASTRATION

If you wish to castrate your ram lambs, this should be done within 36 - 48 hours. Triplets or small lambs should be left for a few days until they are stronger, before using the elastrator (rubber ring) method of tailing and castration.

This must be done within seven days of birth to conform with welfare regulations, and it would be advisable to ask an experienced neighbouring farmer to show you how to do it for the first time. Remember that the Jacob breed is a hill sheep so tails should only be docked sufficiently to keep them clean in adult life - hold the lambs tail out straight and place the rubber ring one third from the tip.

CARE OF FEET

Feet will need attention at regular intervals depending on how firm your ground is. After rain when the grass is set, and the horn is soft is the easiest time - on a hot summer's day it can be very hard work. Try to get a shepherd to show you how to cast a sheep by twisting its head round to its back so that it lies down. Aerosol antibiotic spray may be required to treat wounds.

If a sharp "lambs foot" knife is used, pare the foot from back to front until level with the sole. Foot shears may be easier for beginners, and it is necessary to ensure that the blade is held flat along the sole of the foot.

Check the small duct between the claw is open to air by pressing upwards with your fingers and removing mud and clogged grease. Foot rot is caused by the horn growing too long and curling over so trapping bacteria which then multiply and cause the hoof to rot. Once your ground is contaminated the bacteria is harboured in the soil and will quickly spread from one animal to another. The infected sheep should have their feet trimmed hard and soaked in a solution of zinc sulphate or 10% copper sulphate for about five minutes.

All sheep should be then moved to clean ground and the infected field rested for about a fortnight as the organism cannot survive outside the sheep's foot for more than 9 to 10 days.

WORMING

If you keep your sheep on a small acreage they should be wormed regularly and in particular lambs should be dosed every three to four weeks from May until the end of the summer, particularly if they show signs of any form of scouring which can be a sign of stomach worms.

It is advisable to change the type of wormer each year to avoid building up a resistance on your farm.

FLY STRIKE

Any time from April to November but especially in warm and muggy weather your sheep are at risk of fly strike. The blowfly will lay its eggs in the sheep's wool and dependant on temperature the eggs can hatch in only a few hours. The maggots then start feeding by burrowing into the skin and very quickly there will be a seething mass which will attract more flies to lay more eggs.

The danger areas are dirty wool around the sheep's rear, sweaty wool across the shoulders, open wounds, feet with foot rot and in adult rams the area around the horns. Ideally all sheep should be treated preventatively throughout the season by spraying with one of the Vetrazin or Crovect products. These last a few weeks only so read the instructions carefully and re-apply as needed.

The Crovect products are especially good because if strike has occurred, they can be applied to the affected area and within minutes, the maggots are seen to be dying. Shorn sheep will not need protecting until they have a few weeks growth of wool but scoury lambs are especially at risk and left untreated, can die of shock.

It is much less of a problem if you use the preventative spray regularly. You need to catch them straight away and look really hard in the wool to see if there are eggs there. Do not leave until tomorrow.

DIPPING

At the present time there is no compulsory dipping against sheep scab, but should you wish to dip your sheep either against scab or fly strike, then it is possible that a neighbouring farmer might allow you to use his dip on the same day that he dips his own sheep.

TAGS FOR IDENTIFICATION

See notes on registration obtainable from the Secretary of the Jacob Sheep Society. Members of the Society may register all pedigree sheep and have them recorded in the Annual Flock Book on payment of the current registration fee. Advice should be sought by all new members before registration of any ram lambs as these may prove unacceptable for breeding unless of exceptional quality.

SPECIAL BREED SOCIETY SHOWS AND SALES

All animals entered for sale will be inspected for freedom from serious faults. Any sheep showing such faults may be rejected by the Society Inspectors.

BREED STANDARDS OF THE JACOB SHEEP

GENERAL APPEARANCE

The Jacob sheep is an alert, active sheep being upstanding and deep-bodied. White with well-defined black patches. Head and neck generally black with a white blaze on the face extending down the chest. Both sexes are horned.

HEAD

Clear of wool forward of horns. It is desirable that there be a clear white blaze with even cheeks. In adult sheep pink noses in conjunction with broad white face undesirable. A dark nose is preferred. Dark bold eyes preferred with no tendency to split eyelids deformity. Ewes should have a fine feminine appearance, whilst that of a ram should be thicker set and masculine. Both shall be correct in the mouth.

HORNS

Sheep should carry horns in the number of two or four. Where there are four, the top pair should grow upward from the top of the head and have no forward growing tendencies. There should preferably be space between the top and lower horns.

Where there are just two horns there should preferably be space between the roots of the horns at the crown of the head and grow so as to leave space between horn and cheek. Black horns are preferred. They should at all times give the animal freedom from injury and comfort when feeding.

NECK

Strong, of medium length well set on shoulder.

BODY

Back - straight, level from base of neck to setting on of tail, which should be broad. Well sprung ribs, body well let down, forming a good bottom line. Tail to be well set up on chine and well-developed thigh.

LEGS

Medium boned of medium length, clear of wool below knee and hock. Preferably white with little or no black. All sheep shall be correct on their pasterns.

FLEECE

Of a medium quality; white with well-defined black patches. It is preferred than skin beneath white area to be a good pink, whilst black beneath the dark wool. With little or no kemp. Mottled wool and skin undesirable.

WOOL GRADE TYPE CATEGORIES

FINE: Grade numbers start with a: 2 i.e.- 203

MEDIUM: Grade numbers start with a: 3 i.e.- 305

CROSS: Grade numbers start with a: 4 i.e.- 403

LUSTRE: Grade numbers start with a: 5 i.e.- 503

HILL: Grade numbers start with a: 6 i.e.- 600

MOUNTAIN: Grade numbers start with a: 7 i.e.- 707

Grade (Medium Category)	Bradford Count	Micron Count
350 – Jacob 1 (Good uniformity of style, length, colour with a sound staple)	54-58	25-27.5
351 – Jacob 2 (Average uniformity of style, length and possibly some slight discolouration and/or staple weakness)	46-52	30-33

Staple length == 3' – 7' (75mm – 180mm)

Good degree of springiness

Average weight of fleece == 2 - kgs (4 - 6 lbs)

Bradford Count

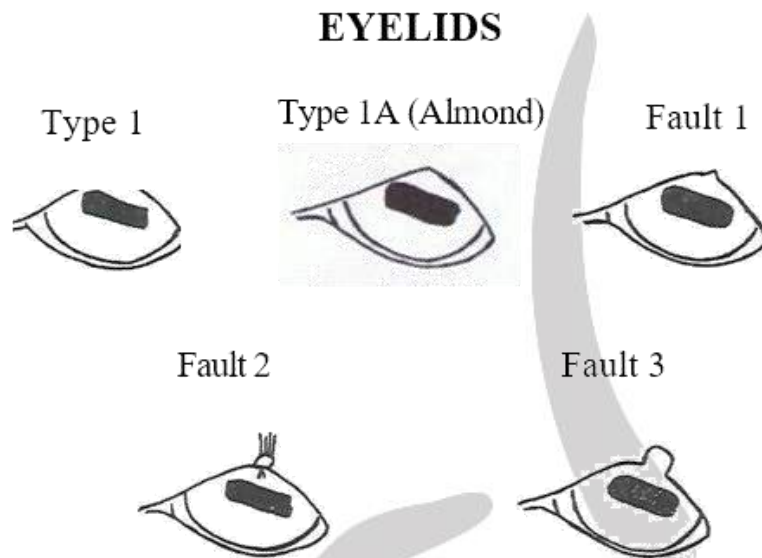
Bradford or English Spinning Count System is the number of hanks of yarn, each of 560 yards in length that can be spun from one pound of clean wool. The finer the fibre is, the more hanks that can be obtained from one pound of wool. The higher the number, the finer the wool, and therefore 64 is finer than 48.

Micron Count

A micron is the modern measurement used for the diameter of wool fibres and one micron is equal to one thousandth of a millimetre. Wool contains a wide range of fibre diameters and therefore a sample is taken from the wool of the sheep to calculate the average diameter of the fibres. The lower the value of microns the finer fibres are.

FAULTS IN SHEEP

The following drawings were produced by Lesley Partridge, a Jacob Sheep Society Judge and well-known breeder, and they illustrate faults in conformation common to all breeds of sheep. In choosing your breeding ewes it is just as important to avoid these faults as it is to follow carefully the "Breed Standards" for Jacob Sheep.



IT IS IMPORTANT THAT NO SHEEP ARE REGISTERED THAT SHOW ANY SIGN OF THE SPLIT EYELID DEFORMITY ILLUSTRATED AS FAULTS 1-3

INCISOR TEETH

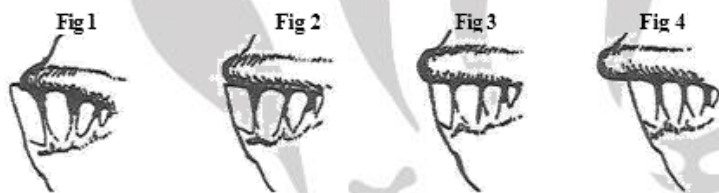


Fig 1. TEETH OVERSHOT. Any tendency for the incisor teeth to project forward of the dental pad should be avoided when selecting young stock.

Fig 2. TEETH 'JUST OVER'. The sharp edge of the tooth can just be felt by the thumb.

Fig 3. A CORRECT MOUTH. The incisor teeth are just under the dental pad.

Fig 4. UNDERSHOT MOUTH. A genetic deformity.

FORELEGS

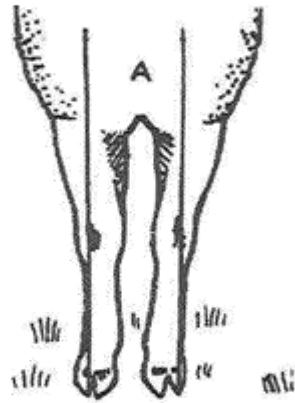


Fig 1a

A. Narrow chested with forelegs and feet too close together, i.e. 'legs come out of one hole'

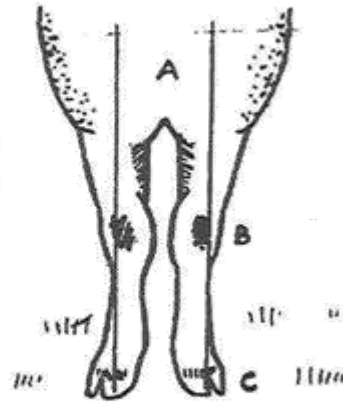


Fig 1b

B Knock kneed.
C Lady toed.

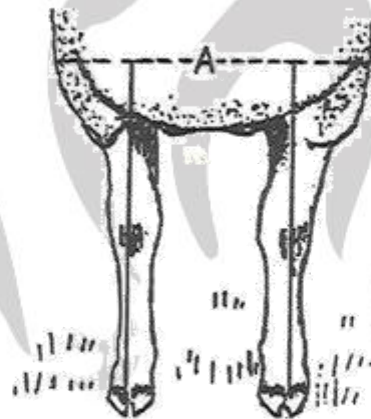


Fig 2

Correct position of forelegs. A wide chest 'A' is a highly cherished asset.

SHOULDERS



Fig 1



Fig 2

Fig 1. 'Ewe Neck' 'A' with hollow weakness behind shoulder 'B'.
Fig 2. Good neck 'A' and chest 'C' with broad straight shoulders.

HINDLEGS



Fig 1



Fig 2



Fig 3

Fig 1. Correct position of hindlegs.
Fig 2. Cowhock.
Fig 3. Bandyhock

HINDQUARTERS



Fig. 1

Good hindquarters

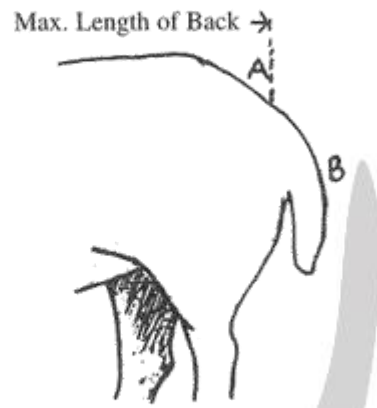


Fig. 2

'Goose-rumped' 'A' and tail set on low 'B'

PASTERNS (The Springs)



Fig. 1

Normal pastern
'Up on the Toe'



Fig. 2

Pastern showing strain



Fig. 3

Down on the pastern

SHEEP IN EXCESSIVELY FAT CONDITION MAY BE LIABLE TO GOING DOWN ON THE PASTERNS. STRAIN, STRESS AND OVER-EXERTION ARE ALL PREDISPOSING FACTORS WHICH, WHEN ADDED, MAY LEAD TO SPRAINS, INFLAMMATION OF JOINTS, RUPTURE OF TENDONS, ETC.

HINDLEGS (Side View)

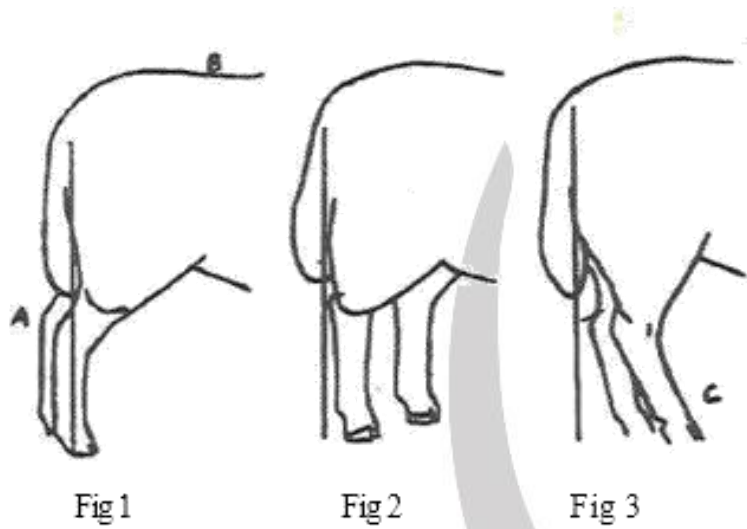


Fig 1. Sickle leg
Fig 2. Straight normal leg
Fig 3. Legs too far under.