SHEEP, n...
SHEEP'BITE, v. n.
SHEEP'BITER, n. s.
SHEEP'COAT,
SHEEP'FOLD,
SHEEP'HOOK,
SHEEP'ISH, adj.
SHEEP'ISHNESS, n. s.
SHEEP'MASTER,
SHEEP'EYE,
SHEEP'SHEARING,
SHEEP'WALK,
SHEEP'HERD,
SHEEP'HERDNESS,
SHEEP'HERDISH, adj.

Sax. *rœap, of which the plural was *rœep; Belgic sheæp; Gothic skyfa. A well-known animal. See below. To sheep-bite is to practise petty thefts: a sheep-biter is a petty thief: sheep-coat and sheep-fold, enclosures of sheep: sheepish, timorous; awkward; mean: the noun substantive corresponding: the other compounds do not seem to require explanation.
We are his people, and the sheep of his pasture. Psalms.

His gate like a shepherd's sitting aside. Tusser.

She put herself into the garb of a shepherdess, and in that disguise lived many years; but, discovering herself a little before her death, did profess herself the happiest person alive, not for her condition, but in enjoying him she first loved; and that she would rather, ten thousand times, live a shepherdess in contentment and satisfaction, Sidney.

He would have drawn her elder sister, esteemed her match for beauty, in her shepherdess attire. Id.

She saw walking from her ward, a man in shepherdish apparel. Id.

Shew your knife's visage, with a pox to you; shew your shepherding face, and be hanged. Shakespeare.

Wouldst thou not be glad to have the niggardly rascally shepherder come to some notable shame? Id.

Bedlam beggars, with roaring voices, from low farms, sheepscot, and mills, Inforce their charity. Id. King Lear.

I am shepherd to another man, And do not shear the flocks that I graze. Shakespeare.

These your unusual weeds to each part of you Do give a life of shepherds, but Florus Peering in April's front. Id. Winter's Tale.

If that the world and love were young, And truth in every shepherd's tongue, These pretty pleasures might me move, To live with thee and be thy love. Raleigh.

A nobleman was a great grazer and sheepmaster. Bacon.

The one carried a crosier of balm-wood, the other a pastoral staff of cedar like a sheep-hook. Id. New Atlantis.

Thy gentry bleats, as if thy native cloth Transfused a sheepishness into thy story. Herbert.

He behold a field, Part arable and tilth, wherein were sheaves New reaped; the other part sheep-walks and folds. Milton.

Up to a hill anon his steps he reared, From whose high top to ken the prospect round, If cottage were in view, sheepcote, or herd; But cottage, herd, or sheepcote, none he saw. Id.

The like some shepherdess did shew, Who sat to bathe her by a river's side. Dryden.

His derick diest is incommensurable sweetness in its clovenhness, like a fair shepherdess in country russet. Id.

If you dare think of deserving our charms, Aways with your sheeplook, and take to your arms. Id.

Fire the Bramble, snare the birds, and steep In wholesome water-falls the fleecy sheep. Id.

Cast a sheep's-eye behind you: in before me. Id.

There are political shepherds as well as pastoral; betrayers of public trust as well as of private. L'Estrange.

Of substances there are two sorts of ideas; one of single substantias, as they exist separately, as a man, or sheep. Locke.

Hearing change of company, he will, when he comes abroad, be a sheepish or uncommitted creature. Id.

Sheepishness and ignorance of the world, are not consequences of being laid at home. Id.

Without success, let a man be never so hardy, he will have some degree of sheepishness. Grew.

There happening a solemn festivity, such as the sheepfarings used to be, David begs some small part. South.
ornamental work for chimney-pieces, cornices of
rooms, houses, &c., which renders the composition
more durable by effectually preventing its crack-
ing. This most inoffensive creature can feed
where every other animal has been before him
and grazed all they could find; and, if he takes
a little grass on our downs or in our fields, he
amplify repays us in the richness of the manure
which he leaves behind him. He protects the
hands from the cold wintry blast, by providing
them with the softest leather gloves. Every
gentleman’s library is also indebted to him for
the neat binding of his books, for the sheath of
his sword, and for cases for his instruments; in
short, there is hardly any furniture or utensil
of life but the sheep contributes to render either
more useful, convenient, or ornamental.
Wales breeds a small hardy kind of sheep, which
has the best tasted flesh, but the worst
wood of all. Nevertheless it is of more extensive
use than the best Silesian fleeces; for the
benefit of the flannel manufacture is universally
known. The sheep of Ireland vary, like those
of Great Britain; those of the south and east
being large and their flesh rank, those of the
north and the mountainous parts small, and their
flesh sweet. The fleeces in the same manner
differ in degrees of value. Scotland breeds a
small kind in Shetland, and their fleeces are
remarkably fine. But the new Leicestershire breed
is perhaps one of the most profitable breeds in
the island. See Rural Economy. Joseph Alton
of Clifton, who raised himself from a plough-boy,
was the first very distinguished himself in the
midland counties of England for a superior
breed of sheep. How he improved his breed
is not known; but it was customary for eminent
farmers in his time to go to Clifton in summer
to choose and purchase ram-lambs, for which
they paid two or three guineas. This man was
succeeded by Mr. Bakewell; and it may rea-
sonably be supposed that the breed, by means of
Alton’s stock, had passed the first stage of im-
provement before Mr. Bakewell’s time. Still,
however, it must be acknowledged that the
Leicestershire breed of sheep owes its present
high state of improvement to the ability and
care of Mr. Bakewell.
This subject is pretty fully treated of under
Rural Economy. The feeding sheep with tur-
nips is a great advantage to the farmers. When
they are made to eat turnips they soon fatten;
but there is some difficulty in bringing this
about. The old ones always refuse them at first,
and will sometimes fast till almost famished; but
the young lambs fall to at once. The common
way of turning a flock of sheep at large into a
field of turnips is very disadvantageous; for they
would thus destroy as many in a fortnight as
will keep them a whole winter. There are
three other ways of feeding them on this food.
The first is to divide the land into hurdles, and
allow the sheep to come upon such a portion
only at a time as they can eat in one day, and
so advance the hurdles farther into the ground
daily till all be eaten. This is infinitely better
than the former random method; but they never
eat them clean even this way, but leave the bot-
toms and outsides scooped in the ground: the
people pull up these indeed with iron crooks,
and lay them before the sheep again; but they
are commonly so soiled that they do not care
for them. The second way is by enclosing the
sheep in hurdles, as in the former; but in this
they pull up all the turnips which they suppose
the sheep can eat in one day, and daily remove
the hurdles over the ground whence they have
pulled up the turnips: thus there is no waste,
and less expense; for a person may in two hours
pull up all those turnips, the remaining shells of
which would have employed three or four laborers
a day to get up with their crooks out of the
ground trodden hard by the feet of the sheep;
and the worst is that, as in the method of pull-
ing up first, the turnips are eaten up clean;
and in this way, by the hook, they are wasted; the
sheep do not eat any great part of them; and,
when the ground comes to be tilled afterwards
for a crop of corn, the fragments of the turnips
are seen in such quantities on the surface that
half the crop at least seems to have been wasted.
The third method is to pull up the turnips, and
remove them in a cart to some other place, as
spreading them on a fresh place every day; thus
the sheep will eat them up clean, both root and
leaves. The great advantage of this method is,
when there is a piece of land not far off which
wants dung more than that where the turnips
grew, which perhaps is also too wet for the
sheep in winter; and then the turnips will, by
the too great moisture and dirt of the soil, some-
times spoil the sheep, and give them the rot.
Yet such ground will often bring forth more and
larger turnips than dry land; and, when they are
carried off, and eaten by the sheep on ploughed
land in dry weather, and on green sward in wet
weather, the sheep will succeed much better;
and the moister soil where the turnips grow, not
being trodden by the sheep, will be much fitter
for a crop of corn than if they had been fed with
turnips on it. The expense of hurdles, and the
trouble of moving them, are saved in this case,
which will counterbalance at least the expense of
pulling the turnips and carrying them to the places
where they are to be eaten. They must
always be carried off for oxen.
The manner in which Mr. Bakewell raised his
sheep to the degree of celebrity in which they
long stood, is, notwithstanding the recentness
of the improvement, a thing in dispute; even
among men high in the profession, and living in
the very district in which the improvement has
been carried on! This proprietor alone perhaps
was in possession of the minutiae of his own
improvement: it is most probable that no one
was better acquainted with any alien breed whatever was used; but
that the improvement was effected by selecting
individuals from kindred breeds, or varieties of
long-wooled sheep, with which Mr. Bakewell
was surrounded on all sides, and by breeding in
and in (i.e. from the same family)
with this selection: solicitously setting the su-
perior accidental varieties produced; associating
these varieties; and still continuing to select,
with judgment, the superior individuals. It now
remains to give a description of the superior class
of individuals of this breed, especially ewes and
wethers, in full condition, but not inmoder-
ately fat. The rams will require to be distinguished afterwards. The head is long, small, and hornless, with ears somewhat long, and standing backward, and with the nose shooting forward. The neck thin, and clean toward the head; but taking a conical form; standing low, and enlarging every way at the base; the fore end altogether short. The bosom broad, with the shoulders, ribs, and chine extraordinarily full. The loin broad, and the back level. The haunches comparatively full towards the hips, but light downward; being altogether small in proportion to the fore parts. The legs of a moderate length; with the bones extremely fine. The bone throughout remarkably light. The carcase, when fully fat, takes a remarkable form; much wider than it is deep, and almost as broad as it is long. Full on the shoulder, widest on the ribs, narrowing with a regular curve towards the tail; approaching the form of the turtle nearer perhaps than any other animal. The pelt is thin and long. The wool is shorter than long wool in general, but much longer than the middle wools; the ordinary length of staple five to seven inches, varying much in fineness and weight. This breed surpasses every other in beauty of form; they are full and weighty in the fore quarters; and are remarkable for smallness of bone.

Mr. Marshall, who has been of so much benefit to agriculture and his country by his publications, informs us, in his Rural Economy of the Midland Counties, that he has seen a rib of a sheep of this breed contrasted with one of a Norfolk sheep: the disparity was striking; the latter nearly twice the size; while the meat which covered the former was three times the thickness: consequently the proportion of meat to bone was in the one incomparably greater than in the other. Therefore, in this point of view, the improved breed has a decided preference: for surely while mankind continue to eat flesh and throw away bone, the former must be to the consumer at least, the more valuable.

The manner of managing sheep in Spain, a country famous for producing the best wool in the world, is as follows:—Here there are two kinds of sheep: the coarse-woollen sheep, which always remain in their native country, and are housed every night in winter; and the fine woollen sheep, which are always in the open air, and travel every summer from the cool mountains of the northern parts of Spain, to feed in winter on the southern warm plains of Andalusia, Mancha, and Estremadura. Of these latter it appears, from accurate computation, that there are about 5,000,000, and that the wool and flesh of a flock of 10,000 sheep produce yearly about twenty-four reals a-head, or about the value of twelve English sixpences, one of which belongs to the owner, three to the king, and the other eight are allowed the expenses of pasture, tythes, shepherds, dogs, salt, shearing, &c. In the sixteenth century the travelling sheep were estimated at 7,000,000; 10,000 sheep form a flock, which is divided into ten tribes, under the management of one person, who has absolute dominion over fifty shepherds and fifty dogs. M. Bourgoanne, a French gentleman, who resided many years in Spain, and directed his enquiries chiefly to the civil government, trade, and manufactures of that country, gives the following account of the wandering sheep of Scipio: "It is," says he, "in the neighbouring mountains that a part of the wandering sheep feed during the fine season. They leave them in October, pass over those which separate the two Castiles, cross New Castle, and disperse themselves in the plains of Estremadura and Andalusia. For some years past those of the two Castiles, which are within reach of the Sierra Morena, go thither to pass the winter; which, in that part of Spain, is more mild; the length of their day's journey is in proportion to the pasture they meet with. They travel in flocks from 1000 to 1200 in number, under the conduct of two shepherds; one of whom is called the mayoral, the other the zagal. When arrived at the place of their destination, they are distributed in the pastures previously assigned them. They return in April, and whether it be habit or natural instinct that draws them towards the climate, which at this season becomes most proper for them, the inquietude which they manifest might, in case of need, serve as an almanac to their conductors." Mr. Arthur Young, in that patriotic work which he conducted with great industry and judgment, the Annals of Agriculture, gives us a very accurate and interesting account of the Pyrenean or Catalonian sheep. On the northern ridge, bearing to the west, are the pastures of the Spanish flocks. This ridge is not, however, the whole; there are two other mountains, quite in a different situation, and the sheep travel from one to another as the pasturage is short or plentiful. I examined the soil of these mountain pastures, and found it in general stony; what in the west of England would be called a stone brush, with some mixture of loam, and in a few places a little peaty. The plants are many of them untouched by the sheep; many ferns, narcissus, violets, &c., but burnet (poterium sanguisorba) and the narrow leaved plantain (plantago lanceolata) were eaten close. I looked for trefoils, but found scarcely any; it was very apparent that soil and peculiarity of herbage had little to do in rendering these heights proper for sheep. In the northern parts of Europe, the tops of mountains half the height of these (for we were above snow in July) are bogs; all are so which I have seen in our islands, or at least the proportion of dry land is very trifling to that which is extremely wet. Here they are in general very dry. Now a great range of dry land, let the plants be what they may, will in every country suit sheep. The flock is brought every night to one spot, which is situated at the end of the valley on the river I have mentioned, and near the port or passage of Picada: it is a level spot sheltered from all winds. The soil is eight or nine inches deep of old dung, not at all enclosed: from the freedom from wood all round, it seems to be chosen partly for safety against wolves and bears. Near it is a very large stone, or rather rock, fallen from the mountain. This the shepherds have taken for a shelter, and have built a hut against it; their beds are sheep skins, and their door so small that they crawl in. I saw no place for fire; but they
SHEEP.

have it, since they dress here the flesh of their sheep, and in the night sometimes keep off the bears by whirling fire brands: four of them belonging to the flock mentioned above live here. I viewed their flock very carefully, and, by means of our guide and interpreter, made some enquiries of the shepherds, which they answered readily, and very civilly. A Spaniard at Venaquez, a city in the Pyrenees, gives 600 livres French a-year for the pasture of this flock of 2000 sheep. In winter he sends them into the lower parts of Catalonia, a journey of twelve or thirteen days, and when the snow is melted, in the spring, they are conducted back again. They are the whole year kept in motion, and moving from spot to spot, which is owing to the great range they every where have of pasture. They are always in the open air, never housed or under cover, and a great taste of any food but what they can find upon the hills. Four shepherds, and from four to six large Spanish dogs, have the care of this flock; the latter are in France called the Pyrenees breed; they are black and white, of the size of a large wolf, a large head and neck, armed with collars stuck with iron spikes. No wolf can stand against them; but bears are more potent adversaries. But, as we have neither wolves nor bears in Britain, we need not quote Mr. Young's remarks on this subject. He adds respecting the sheep: 'They are in general polled, but some have horns; which in the rams turn backwards behind the ears and project half a circle forward; the ewes' horns turn also behind the ears, but do not project: the legs white or reddish; speckled faces, some white, some reddish; they would weigh fat, I reckon, on an average, from fifteen to eighteen pounds a quarter. Some tails short, some left long. A few black sheep among them: some with a very little tuft of wool on their foreheads. On the whole they resemble those on the South Downs; their legs are as short as those of that breed; a point which merits observation, as they travel so much and so well. Their shape is very good; round ribs and flat straight backs; and would with us be reckoned handsome sheep; all in good order and flesh. To be still better acquainted with them, I desired one of the shepherds to catch a ram for me to feel, and examine the wool which I found very thick and good of the carding sort. I took a specimen of it, and also of a hogget, or lamb of last year. In regard to the mellow softness of the skin, which, in Mr. Bakewell's opinion, is a strong indication of a good breed, with a disposition to fatten, he had it in a much superior degree to many of our English breeds, to the full as much so as the South Downs, which are for that point the best sheared sheep which I know in England. The fleece was on his back, and weighed, as I guessed, about eight pounds English; but the average, they say, of the flock is from four to five, as I calculated by reducing the Catalan pound of twelve ounces to ours of sixteen, and is all sold to the French at 30s. the pound, French. This ram had the wool of the back part of his neck tied close, and the upper tuft tied a second second knot by way of ornament; nor do they ever shear this part of the fleece for that reason: we saw several in the flock with this species of decoration. They said that this ram would sell in Catalonia for twenty livres. A circumstance which cannot be too much commended, and deserves universal imitation, is the extreme docility they accustom them to. When I desired the shepherd to catch one of his rams, I supposed he would do it with his crook, or probably not be able to do it at all; but he walked into the flock, and, singing out a ram and a goat, bid them follow him, which they did immediately; and he talked to them while they were obeying him, holding out his hand as if to give them something. By this method he brought me the ram, which I caught, and held without difficulty.

To find a proper composition for marking sheep is a matter of great importance, as great quantities of wool are rendered less by the pitch and tar with which they are usually marked. The requisite qualities for such a composition are, that it be cheap, that the color be strong and lasting, so as to bear the changes of weather, and not to injure the wool. Dr. Lewis recommends for this purpose melted tallow, with much charcoal in fine powder stirred into it as is sufficient to make it of a full black color, and of a thick consistence. This mixture, being applied warm with a marking iron, on pieces of flannel, quickly fixed or hardened, bore moderate rubbing, resisted the sun and rain, and yet could be washed out freely with soap, or ley, or stale urine. In order to render it still more durable, and prevent its being rubbed off, with tallow may be melted an eighth, sixth, or fourth, of its weight of tar, which will readily wash out along with it from the wool.—Lewis's Com. Phil. Techn. p. 361.

The criteria of good and bad flesh, while the animal is alive, differ in different species, and are not properly settled in the same species. One superior breeder is of opinion that, if the flesh is not loose, it is of course good; holding that the flesh of sheep is never found in a state of hardness, like that of full fleshed cattle; while others make a four fold distinction of the flesh of sheep: as looseness, mellowness, firmness, hardness; considering the first and the last equally exceptionable, and the second and third equally desirable; a happy mixture of the two being deemed the point of perfection. The flesh of sheep when dressed is well known to be of various qualities. Some is composed of large coarse grains, interpersed with wide empty pores like a sponge; others of large grains, with wide pores filled with fat; others of fine close grains, with smaller pores filled with fat; and a fourth of close grains without any intermixture of fatness. The flesh of sheep when dressed is equally well known to possess a variety of qualities; some mutton is coarse, dry, and insipid; a dry sponge, affording little or no gravy of any color. Another sort is somewhat firmer, imparting a light colored gravy only. A third plump, short, and palatable; affording a mixture of white and red gravy. A fourth likewise plump and well flavored, but discharging red gravy and this in various quantities. Some mutton when dressed appears covered with a thick, tough,
parchment-like integument; others with a membrane comparatively fine and flexible. But these, and some of the other qualities of mutton, may not be wholly owing to breed, but in part to the age and the state of fatness at the time of slaughter. Examined in this light, whether we consider the degree of fatness, or their natural propensity to a state of fatness, even at an early age, the improved breed of Leicestershire sheep appear with many superior advantages. The degree of fatness to which the individuals of this breed are capable of being raised will perhaps appear incredible to those who have not had an opportunity of being convinced by their own observation. 'I have seen wedders,' says Mr. Marshall, 'of only two sheep (two or three years old), so loaded with fat as to be scarcely able to move forward; one whose fat lay so much upon the bone, it seemed ready to be shaken from the ribs on the smallest agitation. It is common for the sheep of this breed to have such a project of fatness that the ribs, immediately behind the shoulder, that it may be easily gathered up in the hand as the flank of a fat bullock. Hence it has gained, in technical language, the name of the fore-flank; a point which a modern breeder never fails to touch, in judging of the quality of that year of this breed of sheep. What is perhaps still more extraordinary, it is not rare for the rams, at least of this breed, to be 'cracked on the back;' that is, to be cloven along the top of the chins, in the manner fat sheep generally are upon the rump. This mark is considered as an evidence of the best blood. Extraordinary, however, as are these appearances while the animals are living, the facts are still more striking after they are slaughtered. At Litchfield, in February, 1758, I saw a fore-quarter of mutton, fatted by Mr. Princep of Croxall, which measured upon the ribs four inches of fat. It must be acknowledged, however, that the Leicestershire breed do not produce so much wool as most other long-wooled sheep.'

As the practice of letting rams by the season is become profitable, it may be useful to mention the method of rearing them. 'The principal ram-breeders,' says Mr. Marshall, 'save annually twenty, thirty, or perhaps forty ram-lambs; castration being seldom applied in the first instance to the produce of a valuable ram; for in the choice of these lambs they are led more by blood, or parentage, than by form; on which, at an early age, little dependence can be placed. Their treatment from the time they are weaned, in July or August, until the time of shearing, the first week in June, consists in giving them every indulgence of keep, in order to push them forward; it being the common practice to let such as are fit to be let the first season, while they are yet yearlings, provincially 'sharhogs.' Their first pasture, after weaning, is pretty generally, I believe, clover that has been mown early, and has got second time into head; the heads of clover being considered as a most forcing food of sheep. After this goes off, turnips, cabbages, celery, with hay, and (report says) with corn. Something considerable depends on the art of making up, not lambs only, but rams of all ages. Fat, like charity,
paddock adjoining to his park which had for several years caused the rot in most of the sheep which were put into it. In 1670 he drained it, and from that time his sheep were free from this malady. But there are facts which render it doubtful that moisture is the sole cause. We are told the dry limed land in Derbyshire will produce the rot as well as water meadows and stagnant marshes; and that in some wet grounds sheep sustain no injury for many weeks. On dissecting sheep that die of this disorder, a great number of insects called flies (see Fasciola), are found in the liver. That these flies are the cause of the rot therefore is evident; but to explain how they come into the liver is not so easy. Experiments made upon it is followed by the sheep along with their food or drink, while in the egg state. The eggs deposited in the tender germ are conveyed with the food into the stomach and intestines of the animals, where they are received into the lacteal vessels, carried off in the chyle, and pass into the blood; nor do they meet with any obstruction until they arrive at the capillary vessels of the liver. Here, as the blood circulates through the extreme branches, answering to those of the vena porta in the human body, the secering vessels are too minute to admit the impregnated ova, which, adhering to the membrane, produce those amnialcula that feed upon the liver and destroy the sheep. They much resemble the flat fish called plaice, are sometimes as large as a silver two-pence, and are found both in the liver and in the pipe (answering to that of the vena cava), which conveys the blood from the liver to the heart. It is therefore easy to conceive that sheep may, on wet ground especially, take multitudes of these ova or eggs in with their food; and, that the stomach and viscera of the sheep being a proper nidus for them, they of course hatch, and, appearing in their fluke or last state, feed on the liver of the animal, and occasion this disorder. It is a singular fact that no ewe ever has the rot while she has a lamb by her side. The reason of this may be, that the impregnated ovum passes into the milk, and never arrives at the liver. The rot is fatal to sheep, hares, and rabbits, and sometimes to calves, but never infects animals of a larger size. Miller says that parsley is a good remedy for the rot in sheep. Perhaps a strong decoction of this plant, or the oil extracted from its seeds, might be of service. Salt is also a useful remedy. It seems to be an acknowledged fact that salt marshes never produce the rot. Salt indeed is pernicious to most insects. Common salt and water are fatal to the insects from the human body; and sea-weed, if laid in a garden, will drive away insects; but if the salt is separated by steeping it in the purest spring-water for a few days it abounds with albuminace of various species. Lots of his book of husbandry, informs us of a farmer who cured his whole flock of the rot by giving each sheep a handful of Spanish salt for five or six mornings successively. In wet and warm seasons the prudent farmer will remove his sheep from the lands liable to rot. Those who have it not in their power to do this, may give each sheep a spoonful of common salt, with the same quantity of flour, in a quarter of a pint of water, once or twice a week. When the rot is recently taken, the same remedy, given four or five mornings successively, will in all probability effect a cure. The addition of the flour and water (in the opinion of Mr. Price of Salisbury) will not only abate the pungency of the salt, but dispose it to mix with the chyle in a more gentle and efficacious manner. A farmer of a considerable lordship in Bohemia, visiting the hot-wells of Carlsbad, related how he preserved his flocks of sheep from the mortal distemper which raged in the wet year 1769, of which so many perished. His preservative was very simple and very cheap — He fed them every night, when turned under a shed, cover, or stables, with hushed fodder straw; and, by care, as they eat greedily, they all escaped. 'Red-water is a disorder most prevalent on wet-grounds. I have heard,' says Mr. Arthur Young, 'that it has sometimes been cured by tapping, as for a tapeworm, as for a tapeworm, the operation is done on one side of the belly towards the flank, just below the wool. 'The foot-rot and hoving, which is very common on low fenny grounds, is cured by keeping the part clean, and lying at rest in a dry pasture.' The scab is a cutaneous disease, owing to an impurity of the blood, and is most prevalent in wet lands or in rainy seasons. It is cured by tobacco-water, brimstone, and alum, boiled together, and then rubbed over the sheep. If only partial, tar and grease may be sufficient. But the simplest and most efficacious remedy for this disease was communicated to the society for the Encouragement of Arts, &c., by Sir Joseph Banks:— Take one pound of quicksilver, half a pound of Venice turpentine, half a pint of oil of turpentine, and four pounds of hog's lard. Let them be rubbed in a mortar till the quicksilver is thoroughly incorporated with the other ingredients: for the proper mode of doing which, take the assistance of some apothecary. In using the ointment, begin at the head of the sheep, and, proceeding from between the ears along the back to the tail, the wool is to be divided in a furrow till the skin can be touched; and, as the furrow is made, the finger slightly dipped in the ointment is to be drawn along the bottom of it, where it will leave a blue stain on the skin and adjoining wool: from this furrow similar ones must be drawn down the shoulders and thighs to the legs, as far as they are woolly; and, if the animal is much infected, two more should be drawn along each side parallel to that on the back, and one down each side between the fore and hind legs. Immediately after being dressed, it is usual to turn the sheep among other stock, without any fear of the infection being communicated; and there is scarcely an instance of a sheep suffering any injury from the application. In a few days the blisters dry up, the itching ceases, and the animal is completely cured: it is generally, however, proper not to delay the operation beyond Michaelmas. The hippobosca ovina, called in Lincolnshire sheep lice, an animal well known to all shepherds, which lives among the wool, and is hurtful to the thriving of sheep both by the pain it bite occasions and the blood it sucks, is destroyed by this application, and the wool is not at all injured. Our wool buyers
purchase the fleeces on which the stain of the
ointment is visible, rather in preference to others,
from an opinion that the use of it having pre-
served the animal from being vexed either with
the scab or faggis, the wool is less liable to the
defects of joints or knots; a fault observed to
proceed from every sudden stop in the thriving
of the animal, either from want of food or from
disease. This mode of curing is now so gener-
ally received that the scab, which used to be the
terror of the farmers, and which frequently de-
terred the more careful of them from taking the
advantage of pasturing their sheep in the fertile
and extensive commons with which that district
abounds, is no longer regarded with any appre-
ception; the most of them have their stock
mounted in autumn, when they return from the
common, whether they show any symptoms of
scab or not; and, having done so, conclude them
safe experiments which employ themselves in the business, and contract to
mount our large sheep at 5½ a score, insuring for
that price the success of the operation; that is,
agreeing to kill many of the sheep break out
directly, to repeat the operation gratis even some
months afterwards.' The dunt is a distemper
caused by a blader of water gathering in the
head. No cure for this has yet been discovered.
The rickets is a hereditary disease for which no
antidote is known. The first symptom is a kind
of light headedness, which makes the affected
sheep appear wilder than usual when the sheep
herd or any person approaches him. He bounces
up suddenly from his lane, and runs to a dis-
tance, as though he were pursued by dogs. In
the second stage the principal symptom is the
sheep's rubbing himself against trees, &c., with
such fury as to pull off his wool and tear away
his flesh. 'The distressed animal has now a
violent itching in his skin, the effect of a highly
inflamed blood; but it does not appear that there
is ever any cutaneous eruption or salutary criti-
cal discharge. In short, from all circumstances,
the fever appears now to be at its height. The
last stage of this disease 'seems only to be the
progress of dissolution, after an unfavorable
issue. The poor animal, as condemned by Na-
ture, appears stupid, walks irregularly (whence
probably the name rickets), generally lies, and
sits little; these symptoms increase in degree
till death, which follows a general consumption,
as appears upon dissection of the carcasse; the
juices and even 'solids having suffered a general
dissolution.' To discover the seat and nature of
this disease, sheep that die of it ought to be dis-
sicected. This is said to have been done by one
gentleman, Mr. Beal; and he found in the brain
or membranes adjoining a maggot about a quar-
ter of an inch long, and of a brownish color. A
few experiments might easily determine this fact.
The fly-struck is cured by clipping the wool off
as far as infected, and rubbing the dry parts
with lime or wood ashes; currier's oil will heal
the wounds, and prevent their being struck any
more; or they may be cured with care without
clipping, with oil of turpentine, which will kill
all the vermin where it goes; but the former is
the surest way. The flux is another disease to
which sheep are subject. The best remedy is
said to be, to hose the sheep immediately when
this distemper appears, to make them very warm,
and feed them on dry hay, giving them frequent
gusters of warm milk and water. The cause of
that distemper is either their feeding on wet
lands, or on grass that is become mossy by the
lands having been fed many years without being
ploughed. When the farmer perceives his sheep-
walks to become mossy, or to produce bad grass,
he should either plough or manure with hot lime,
making kilns either very near or in the sheep-
walks, because the hotter the lime is put on the
sweeten the grass comes up, and that early in the
year. Burning, or as it is called in some places
the blast, attacks sheep when driven into fresh
grass or young clover. They overeat themselves,
foam at the mouth, swell exceedingly, breathe
very quick and short, then jump up, and in-
stantly fall down dead. In this case, the only
chance of saving their lives is to beat them
in the maw with an instrument made for the
purpose. The instrument is a hollow tube,
with a pointed weapon passing through it. A
hole is made with the pole weapon, which is
immediately withdrawn, and the hole is kept open
by inserting the tube till the wind is dis-
charged. Sheep are infested with worms in their
nose called astra ovis, and produced from the
egg of a large two-winged fly. See Éstaca. The
frontal sinuses above the nose in sheep and
other animals are the places where these worms
live and attain their full growth. These sinuses
are always full of a soft white matter, which fur-
nishes these worms with a proper nourishment,
and are sufficiently large for their habitation;
and when they here acquired their destined
growth, in which they are fit to undergo their
changes for the fly-state, they leave their old ha-
bitation, and, falling to the earth, bury themselves
there; and, when these are hatched into flies, the
female, when she has been impregnated by the
male, knows that the nose of a sheep or other
animal is the only place for her to deposit her
eggs, in order to their coming to maturity. Mr.
Vallinëeri, to whom the world owes so many
discoveries in the insect class, is the first who
has given any true account of the origin of these
worms, though the creatures themselves were
very early discovered. The fly produced from
this worm has all the time of its life a very lazy
disposition, and does not like to make any use
either of its legs or wings. Its head and corselet
together are about as long as its body, which is
composed of five rings, streaked on the back; a
pale yellow and brown are there disposed in ir-
regular spots; the belly is of the same colors
but they are there more regularly disposed, for
the brown here makes three lines, one in middle
and one on each side, and all the intermediate
spaces are yellow. The wings are nearly the
same length with the body, and are a little in-
clined in their position, so as to lie upon the body:
they do not, however, cover it; but a naked space
is left between them. The anterior wings, which
are found under each of the wings, are of a
whitish color, and perfectly cover the balancers,
so that they are not to be seen without lifting up
these. The fly will live two months after it is
first produced, but will take no nourishment of
any kind; and possibly it may be of the same nature. The butterflies, which never take any food during the whole time of their living in a nat state.—Reaumer, Hist. Ins. vol. iv. p. 359, etc.

The following instructions for purchasing sheep may be useful to our country readers:—The farmer should always buy his sheep from a worse land than his own, and they should be big-boned, and have a long greasy wool, curling close and well. These sheep always breed the finest wool, and are also the most approved of by the butcher for sale in the market. For the choice of sheep to breed, the ram must be young, and his skin of the same color with his wool, for the same lambs will be of the same color with his skin. He should have a large long body; a broad forehead, round, and well rising; large eyes; and straight and short nostrils. The polled sheep, that is, those which have no horns, are found to be the best breeders. The ewe should have a broad back; a large bending neck; small, but short, clean, and nimble legs; and a thick, deep wool covering her all over. To know whether they be sound or not the farmer should examine the wool that none of it be wanting, and see that the gums be red, the teeth white and even, and the brisket-skin red, the wool firm, the breath sweet, and the feet not hot. Two years old is the best time for beginning to breed; and their first lambs should not be kept too long, to weaken them by suckling, but be sold as soon as convenient. They will breed advantageously till they are seven years old. Farmers have a method of knowing a sheep’s age, as a horse’s is known, by the mouth. When a sheep is one year, as they express it, it has two broad teeth before; when it is two shears it will have four, when three six, and when four eight. After this their mouths begin to break. The difference of land makes a very great difference in the value of sheep. The fat pastures breed straight tall sheep, and the barren hills and downs breed square short ones; woods and mountains breed tall and slender sheep; but the best of all are those bred upon new ploughed land and dry grounds. On the contrary, all wet and moist lands are bad for sheep, especially such as are subject to be overflowed, and to have sand and dirt left on them. The salt marshes are, however, an exception to this general rule, for their saltiness makes amends for their moisture; salt, by reason of its drying quality, being of great advantage to sheep.

Rams, previous to the season, are reduced from the cumbrous fat state in which they are shown. The usual time of sending them out is the middle of September. They are conveyed in carriages of two wheels with springs, or hong in slings, twenty or thirty miles a-day, sometimes to the distance of 200 or 300 miles. They are not turned loose among the ewes, but kept apart in a small enclosure, where a couple of ewes only are admitted at once. When the season is over, every ram is taken to make the rams look as fat and handsome as possible. In the choice of ewes the breeder is led by the same criteria as in the choice of rams. Breed is the first object of consideration. Excellency in any species or variety of live stock cannot be attained with any degree of certainty, let the ram be ever so excellent, unless the females employed likewise inherit a large proportion of the genuine blood, be the species or variety what it may. Hence no prudent man ventures to give the higher prices for the Dishley rams, unless his ewes are deeply tinctured with the Dishley blood. Next to breed is flesh, fat, form and wool. After the lambs are weaned, the ewes are kept in common feeding places, without any alteration of pasture, previous to their taking the ram. In winter they are kept on grass, hay, turnips, and cubbage. As the heads of the modern breeder are much finer than most others, the ewes lamb with less difficulty. The female wool on being, put to good keep, but have not such high indulgence shown them as the males, the prevailing practice being to keep them from the ram the first autumn. At weaning time, or previously to the admission of the ram, the ewes are culled, to make room for the thaves or shearlings, whose superior blood and fashion entitle them to a place in the breeding stock. In the work of culling, the ram-breeder and the mere grazier go by somewhat different guides. The grazier’s guide is principally age, seldom giving his ewes the ram after they are four shear. The ram-breeder, on the contrary, goes chiefly by merit; a ewe that has brought him a good ram or two is continued in the flock so long as she will breed. There are instances of ewes having been prolific to the tenth or twelfth year; but in general the ewes of this breed go off at six or seven shear. In the practice of some of the principal ram-breeders, the culling ewes are never suffered to go out of their hands until after they are slaughtered, the breeders not only fattening them, but having them butchered, on their premises. There are others, however, who sell them; and sometimes at extraordinary prices. Three, four, and even so high as ten, guineas each have been given for these outcasts. There are in the flocks of several breeders ewes that would fetch at auction twenty guineas each. Mr. Bakewell is in possession of ewes which, if they were put up to be sold to the best bidder, would, it is estimated, fetch no less than fifty each; and perhaps, through the present spirit of contention, much higher prices. As to the time of putting the rams to the ewes, the farmer must consider at what time of the spring his grass will be fit to maintain them and their lambs, and whether he has turnips to do it till the grass comes; for very often both the ewes and lambs are destroyed by the want of food; or if this does not happen, if the lambs are only stinted in their growth by it, it is an accident that they never can recover. The ewe goes twenty weeks with lamb, and according to this it is easy to calculate the proper time. Where there are not enclosures to keep them in, they should yean in January, that the lambs may be strong by May-day, and be able to follow the dam over the fallows and water-furrows; but the lambs that come so early must have a great deal of care taken of them; and so indeed should all other lambs at their first falling, else, while they are weak, the crows and magpies will pick their eyes out.