

It is the part of a good farmer to conduct all his operations on the best and least expensive plan. His chief profits arise from doing things at the right time in the best manner, and with the least possible expense. In nothing does this show itself more plainly than in fattening hogs.

that they had only gained four pounds each for every bushel of corn each had eaten, thus going to show that a hog will gain more than double as much on the same amount of food when the weather is mild as it will when the weather is intensely cold. In this respect the animal system is like a stove, the colder the weather the more fuel (food) it requires to keep up the internal heat, for let the weather be as cold as it will, the temperature of the body must be kept up to the normal point of ninety-eight degrees, and if the food is not more than sufficient to supply this, there will be none to go to the formation of fat—hence the colder the weather the larger the consumption of food. A barrel of corn in the latter part of October and first half of November, as shown above, will go as far and put on as much fat as will two barrels in December and January, because it requires but half as much to keep up the animal heat. In other words, the loss of heat from the animal's body is then small, and therefore the less food is required to keep it up.

Complete quietude is also a matter of the first importance, as it is well known that an animal in confinement will fatten much faster than one whose liberty is not so restricted as to prevent him from taking too much physical exercise. Muscular exertion increases respiration and accelerates the flow of blood, which, as it passes through the lungs, becomes charged with atmospheric oxygen, and which latter introduced more freely burns out the fat. Hence it is that in confinement as soon as a hog begins to fatten the less inclined he is for physical exercise, and consequently accumulates fat the faster. In other words, the faster he grows the more sluggish he becomes and the more rapidly he takes on fat.—Baltimore Sun.

Prof. Stewart says: Apples are not only not objectionable, and are beneficial to the health of the cow, and improves the flavor of her milk—with the qualification that they are properly fed. A moderate quantity of apples, say six or eight quarts to a cow per day, will assist in the digestion of her other food, and their flavoring will improve the taste of milk.

Steers and milch cows should never be kept in the same pasture, nor should they be fed alike. Raising beef for market requires skill. The first requisite is rapid growth of the frame, and in the younger days of the animal too much consideration cannot be given to this matter. Steers, when growing, convert all their food in the direction of building up the body. There are times when they must receive special attention different from that given the cows, or success, depends upon how the cattle are managed.

The editor of the Chicago paper called "The Hog," declares that in selecting a farm for hog-raising he would avoid one with a running stream. He argues that such farms with such streams have brought great havoc among the most careful farmers, and their dangers far outweigh all other advantages. During dry seasons their stagnant waters are pollution and during wet seasons their backwaters form cess-pools of filth that are tempting, but deadly to the

Gleanings.

Cultivators who raise fine kinds of fruit should bear in mind that the cellar or fruit room should be kept perfectly clean and with a pure air, if the flavor of the fruit is to be kept from taint. The apartment should be entirely separate from the place where cabbage, turnips, onions and other vegetables are kept, and these separate from kerosene, pork, and codfish; and all these again away from the place for keeping milk and butter.

In the use of lime water to destroy earth worms in the soil of flower-pots, some persons fear injury to the plants by using it too strong, and therefore neglect to employ it altogether. It should be understood that lime water will not injure plants. And by lime water is meant water containing the lime it will hold in the solution. This is a definite quantity, and cannot be increased, no matter how large an amount of lime in excess is used for a certain quantity of water. The water will hold so much an no more. After slacking lime in water it is allowed to settle, and then the clear liquid is poured off—this is lime-water. The soil of a plant can be saturated with it by pouring it on, or by immersing the pot in it for a time. This operation will destroy earth worms or compel them to escape.

Blinders on a horse are always worse than useless. This animal has intelligence enough to be more afraid of what he can't see than what he can. The blinders invariably chafe the eyes when a horse is in motion, and if they do not injure the eyesight, as they often do, they are a perpetual source of needless discomfort. Who could have invented so cruel a contrivance? Yet many people 'quite sensible' in other things, adopt this cruel appendage to the headgear-- Albany Journal.

By virtue and authority of a special execution and judgment for delinquent taxes, issued from the office of the clerk of the circuit court of Adair county, Missouri, on the 25th day of October, 1886, made returnable at the December term, 1886, of said court, and to me the undersigned sheriff, directed and delivered, in and to the state of Missouri, at the town of Union to the use of M. F. Stroek, collector of revenue for Adair county, Missouri, against John Minnie in pursuance of a judgment and order of sale of said circuit court at the October term, 1886, I have levied upon and seized, on THURSDAY, THE 16th DAY OF DECEMBER, 1886, all sell at the court house door in the town of

No. 4909.
SHERIFF'S SALE.

from the office of the clerk of the circuit court of Adair county, Missouri, on the 23d day of October, 1886, made returnable at the December term, 1886, of said court, and to me, the undersigned Sheriff, directed and delivered, in favor of the State of Missouri, at the relation and to the use of M. F. Strick, collector of the revenue for Adair county, Missouri, and against Thos. F. McGrew and Robt. Clew in pursuance of a judgment and order of sale of said circuit court at its October term, 1886, I have levied upon and seized, and on

THURSDAY, the 16th day of DECEMBER 1886,

will sell at the court house door in the town of Kirkville, Adair county, Missouri, between the hours of 9 o'clock in the forenoon and 4 o'clock in the afternoon of said day, while the clerk of said court is present, the property in the case, to-wit: the premises in Adair county in session, at public auction, to the highest bidder, for cash in hand, the following described real estate, situated in said Adair county, Missouri, to-wit: the premises in said Adair county, Missouri, or so much thereof as will satisfy the judgment, and the costs and costs in said case, the same being the premises in said Adair county, Missouri, as the judgment said real estate, as shown by the judgment and decree of said court, to-wit: the Northeast 1-4 of the northwest 1-4, section the 23, township 33, to township sixty-three, range eleven, north of the 10th principal meridian, to satisfy said execution and costs of this case.

J. H. KINNARE,
Sheriff Adair Co., Mo.

SHERIFF'S SALE.
By virtue and authority of a special execution on a judgment for delinquent taxes, issued from the office of the clerk of the court of Adair county, Missouri, on the 23d day of October, 1886, made returnable at the December term, 1886, of said court, and to me, the undersigned Sheriff, directed and delivered, in favor of the State of Missouri, at the relation and to the use of M. E. Strick, collector

of revenue for Adair county, Missouri against John D. Martin in pursuance of a judgment and order of sale of said circuit court of Adair county, Missouri, made on the 10th day of October term, 1886, I have levied upon and seized, and on

THURSDAY THE 16th DAY OF DECEMBER, 1886,

will sell at the court house door in the town of Kirksville, Adair county, Missouri, between the hours of 9 o'clock in the forenoon and 5 o'clock in the afternoon, of said day, the following described real estate and for said sale will receive the highest and for said sale the highest bidder, for cash in hand, the following described real estate, situated in Adair county, Missouri, or so much thereof as will satisfy said judgment and decree of said court, to-wit:

thirteen [15], to satisfy said execution and costs
of this sale.

J. H. KINNEAR,
Sheriff Adair Co., Mo.

No. 5428.

SHERIFF'S SALE.

By virtue and authority of a special execution on a judgment for delinquent taxes, issued from the office of the clerk of the circuit court of Adair county, Missouri, on the 23d day of October 1886, made returnable on the 25th day of December, 1886, of said court, do I, to me, the undersigned Sheriff, directed and delivered, in favor of the state of Missouri, at the relation, and to the use of M. F. Strook, collector of the revenue for Adair county, Missouri, and against unknown heirs of Joseph T. Dennis in pursuance of a judgment of said court, a sale of said circuit court at its October term, 1886, I have levied upon and seized, and on

will sell at the court house door in the town of Kirksville, Adair county, Missouri, between the hours of 9 o'clock in the forenoon and 5 o'clock in the afternoon of said day, while the circuit court within and for said county is in session, at public auction, to the highest bidder, for cash in hand, the following described real estate, situated in Adair county, Missouri, or so much thereof as will

Lots two [2.] and three [3], in block number thirty-seven [37], old town of Kirksville, Adair county, Mo., to satisfy said execution and costs of this sale.

No. 5929.

SHERIFF'S SALE.

By virtue and authority of a special execution on a judgment for delinquent taxes issued from the office of the clerk of the circuit court of the county of St. Louis, Missouri, I, the undersigned, Sheriff of said county, do hereby offer for sale at public auction, to-wit: at the Court House in said county, at 10 o'clock A. M. of the day of the month of May, 1893, the following described premises, to-wit:

of said county of Adair county, Missouri, on the 1st day of October, 1886, made returnable at the December term, 1886, of said court, and to me, the undersigned Sheriff, directed and delivered in favor of the State of Missouri, the relation and to the use of M. F. Strock, collector of the revenue for said county of Adair county, Missouri, and against unknown heirs of Samuel Porter and the unknown heirs of said Samuel Porter and against unknown heirs of said Porter in pursuance of a judgment and order of sale of said circuit court at its October term, 1886, I have levied upon and seized, and

will sell at the court house door in the town of
Arkville, Adair county, Missouri, between
the hours of 9 o'clock in the forenoon and
5 o'clock in the afternoon of said day while
the circuit court within and for said county
is in session at public auction, to the highest
bidder, for cash in hand, the following de-
scribed real estate situated in Adair county,
Missouri, or so much thereof as will satisfy
the judgment and decree of said court.

J. H. KINNEAR,
Sheriff Adair Co. Mo.

No. 5463.
SHERIFF'S SALE.
By virtue and authority of a special execution on a judgment for delinquent taxes, issued from the office of the clerk of the circuit court of Adair county Missouri, on the 31d day of October, 1886, made returnable at the December term, 1886, of said court and to me, the undersigned Sheriff, directed.

delivered, in favor of the state of Missouri, at the relation and to the use of W. F. Stock, collector of revenue for Adair county Missouri and against Hugh F. McDaniels in pursuance of a judgment and order of sale of said circuit court at the October term 1886, I have varied upon and seized, and on

THURSDAY, the 16th day of DECEMBER, 1886,

at 9 o'clock in the forenoon and 5 o'clock in the afternoon of said day, while the circuit court within and for said county in session, at public auction, to the highest bidder for cash in hand, the following described real estate, situated in Adair county, Missouri, or so much thereof as will satisfy the judgment, interest and costs in said cause, the same being against said real estate, as shown by judgment and decree of said court, to-wit: southwest 1-4 of northwest 1-4, section six, township six, north, range six, west, 11th

J. H. KINNEAR,
Sheriff Adair Co., Mo.

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