

balanced

the new-born
ducers from these
wheat or other
products such as
bran cannot be
They have been
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employed too ex-
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the other corre-
likely
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production of
It has been
per cent of the
lover hay. The
ch rations were
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tion for the se-
were the calves
and, and in some
cases, continued
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without change in
finally failed. The
The cumulative
material finally

there was a
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tured, but the
the dairymen of
for the following
stantly of which
there were re-
duction. The
ment of time and
weak and under-
r probable that
the disasters was
of wheat and

as good a con-
fidential effects of
legume hays. In
have had success
a corn stove
it. of the ration
per cent. corn
and wheat grates,
have had better
they used the
daily with perfect
adaptation when it
it. of the ration
corn meal and
In the propor-
30 and 50 per
the ration. The
four pounds of
e of wheat ex-
cornstarch and
stover.

Indicate how a
made to include
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and results.

the common re-
Barn rations
ually, and the
In as another
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If they do not
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offspring less
and the mother
is, is a question
as a result of
is a herd re-
cess continuously
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in ration, devel-
the ravages of
of questions we
the present time,
anthrax in the
ly losses to co-
the herd were
animals.
wheat straw or
as a roughage
rise through in
in some other
corn stover of

mixed hay—preferably legume hay—is mixed with the straw, the mineral content of the ration will be inadequate. Premature birth and the retention of the after-birth, with its attendant dangers, will surely occur. We are informed that there is already much trouble with reproduction among cows in the Dalotas whenever much wheat straw is fed. Such facts as these must emphasize the importance of an understanding of all the factors involved in the normal nutrition and reproduction of animals. We too often think of the roughage of the farm as so much filler and of little importance in the vigor of life. In reality, good roughage, such as corn stover, clover or alfalfa hay, is the carrier of an adequate supply of vitamins, and these in their regulatory functions are indispensable to health and vigor. A roughage such as wheat straw, oat straw, barley straw, and possibly some of our grass hays, when used as the sole source of roughage, may supply either an insufficient quantity of mineral matter or an improper balance of mineral matter. The mineral content of each of these straws is influenced by the available supply in the soil, and straws grown on poor soils are likely to be deficient than those grown on fertile soils. In any case we have not found the straws when used alone safe roughage for breeding cows.

(To be continued.)

FARM CHATS

Tales From the Dictionary

H. Percy Blatherford, Hants Co., N.S.

THE orator, picturing the eruptions of this world, waved his hand and in the full, throaty tones affected by nature, exclaimed: "In sorrow, where can I find comfort; in poverty, where can I find plenty or even competence; homeless, alone, where can I find friendship, help, companionship, happiness?" When a little girl broke in: "Please Sir, in our big Dictionary."

So, outside of the papers of history, when the Normans conquered Britain and took the fat portions, driving the Saxons to the deserts to till the ground that their masters might eat the fruits, the Dictionary tells us the story. The things of the farm, as pig, cow, calf, sheep, are all Saxon words; but they appeared on the table as pork, beef, veal, mutton; all of which words are Norman—French in origin.

We look back, away beyond Julius Caesar, for the Latin word for "farmhouse" and it is "agricola." Appositely nothing stronger about that; but there is "Agricola," though masculine today, is in the first or feminine declension. It tells us that the first cultivators of the soil probably were women. It tells us the same tale of ancient Latins that travellers tell us of savage lands to-day: the men fought, but they appeared on the table as pork, beef, veal, mutton; all of which words are Norman—French in origin.

Other words open the door of the Saxon cottage and show us the skillful mother at the loom, weaving: the weaver—the wife—the "wife." Her girls are at the loom different task of spinning—spinsters; and so the young maids, not the "old maids" were "spinsters." The young girls assisted too in the barn chores; they did the milking; for the word "daughtr" means the "milker." This very sentence, when analyzed, tells a further tale. The "churl" was first a slave; because churl and thurl are the same word; and thurl comes from "thurlan," the Saxon word for "to bore." The reason was that the mark of the slave among the Saxons, as among their Hebrew ancestors, was the hole "bored" in the ear. (Ex. 21:6.) He was often, too, a bed-na-

tured fellow; and no wonder, considering the drudgery of his work in the old castle kitchens. But in time, boys got too vainish, or above their job; and so their sister was put in the scullery. Thus she was called the "churl," the "gurl," the "giri." The father in a fashion has held his job. He was then, as now, the "fader," that is, the "feeder."

It is after all an interesting old book, the Dictionary; and there may have been something to be recommended in the ambitious darkey's method: who in his striving after education had learned by heart the first 20 pages of Webster's unabridged.

A man left his umbrella in the stand in a hotel, with a card bearing the following inscription attached to it: "This umbrella belongs to a man who can deal a blow of two hundred and fifty pounds weight. I shall be back in ten minutes."

On returning to seek his property he found in its place a card thus inscribed: "This card was left here by a man who can run twelve miles an hour. I shall not be back."

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