

The arpent giving 36,000 pounds of beets, the factory will return 20 per cent of pulp, say 7200 pounds equal to 4800 pounds of good hay.

The leaves and heads of the beets that have been cut off also furnish food for cattle. They give about 10,000 pounds per arpent. The alimentary equivalent being 600, these 10,000 pounds are equal to 1600 pounds of hay, so that an arpent of beets, returns to the farm a quantity of food equal in value to 6400 pounds of hay.

MANURES.—The manures furnished by the sugary consist in the residuum from the press-filters and the deposits from washing the beets.

The first is composed of carbonate of lime and organic matters decomposed and precipitated by the lime.

This substance constitutes a fertilizer and a manure, and is very well fitted for argillaceous lands. So with deposits from washing the beets, composed of earth and organic remains. These latter may be advantageously employed when mixed with lime as a compost.

§ 9. OLD PROCESS OF MANUFACTURE.

The explanations I have given have reference to the improved system of manufacture, now in general use. To conclude I will speak of the old system which will, perhaps, seem more easy to be understood, and which may be used by those who wish to experiment on a small scale.

The ex
purifying
and the on
ration and

The ne
really mor
mical and

For def
is used, in
operation
rating and
surmounte
generated
heated by
spirals.

The p
screw or l

As aft
much lime
coal is inc
of the juic

The ju
pidly hea
2 gallons
is put int
with a st

Under
organic s