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FOR PERSONAL HYGIENE
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pelvic catarrh, ulceration and inflam-
mation. Recommended by Lydia E.
Pinkham Med. Co. for ten years.
A healing wonder for nasal catarrh,
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Has extraordinary cleaning and germicidal power.
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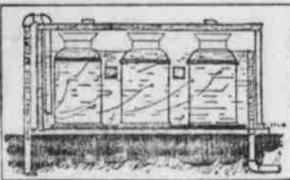
SANITARY MILK PLANT
Cleanliness Often Overlooked in
Rush of Business.

Score Card Used by Dairy Inspectors
Should Be Posted Where It Can
Be Easily Seen by Employees
—Avoid Strainers.

During the rush of business the im-
portance of cleanliness in the milk
plant is often temporarily overlooked.
As a reminder of points often neglect-
ed in this way, a score card, such as
is used by dairy inspectors in scoring
city milk plants, should be posted
where it can be easily seen by the
employees who, by studying it, can
learn wherein they are lacking, from
the inspector's point of view. The
dairy division of the bureau of an-
imal industry of the United States de-
partment of agriculture will send a
sample score card on request.

Many of the items on the card are
self-explanatory, but there are some
details in milk-plant sanitation which
are not given on any score card. If
the floors, walls and ceiling are
smooth and are made of sound and
durable materials, they may be easily
kept free from dirt and dust. Con-
crete floors are very satisfactory, for
they can be flushed often with wa-
ter, there is no danger of rotting, and
if properly constructed there will be
no cracks in which dirt can collect.
Iron plates laid in cement are san-
itary and are more durable than con-
crete.

A separate room for handling the
milk apart from all other operations
is essential and all doors must be kept
closed to exclude flies and impure air.
It is better to provide pure air by
means of a modern system of ventila-
tion. Even when the air is pure, the



Tank for Storing Milk.

vats, pasteurizers, coolers, fillers and
other apparatus should be covered to
prevent all unnecessary contact with
the air.

The milk must be kept cool after it
is received at the plant, and not be
allowed to stand long before bottling.
If not used at once the cans should
be put into a refrigerator or the milk
stored in tanks made for this purpose.
These tanks must be in a cool place
or be surrounded with a jacket of ice
water or brine. Strainers or cheese-
cloth are more satisfactory and more
easily cleaned than those of wire
gauze, but the use of strainers of any
kind should be avoided as much as
possible. Some dealers strain the
milk after it is pasteurized before it
is run into the filter. This may in-
crease the bacterial count and fur-
thermore is unnecessary if the milk
is properly clarified or filtered before
pasteurizing and if the apparatus is
clean.

A filter of cheesecloth and cotton,
if used, must be changed several
times during the day. The cheese-
cloth must be washed, sterilized and
kept where the air is pure. It can be
used a few days before throwing away,
but the cotton, of course, should be
used only once. As soon as the milk
is put up all parts of the apparatus
should be thoroughly cleaned by first
rinsing in cool water, then washing
with hot water to which washing pow-
der has been added, and finally steril-
ized with boiling water or steam.



Covered Milk Pail.

The pumps and pipes can be rinsed
by pumping water through them im-
mediately after using. They must
then be taken down and thoroughly
washed; this can easily be done if
there are several couplings in the
pipes. All joints and couplings must
be kept tight and free from dirt, rust
and corrosion. Battered and rusty
apparatus or cans afford good ledging
places for bacteria and, being hard
to clean, should not be used.

The pasteurizer is one of the most
difficult pieces of machinery to keep
clean, as the milk sometimes sticks
to the sides and, if not properly
cleaned, a cooked layer forms on the
inside, which grows worse each day.

Sterilizing Milk.
Milk can be sterilized by electricity.
At the University of Liverpool (Eng-
land) it was found that by the use
of electricity the number of bacteria
is reduced greatly, all the colon bac-
cilli the bacteria of bowel troubles—
and their allies are destroyed; all the
tuberculosis germs are killed; no
chemical change nor change in taste
is made in the milk.

Ideal Greens for Hens.
Cabbages, beets and mangels make
ideal greens for hens during the win-
ter. Small potatoes and specked ap-
ples are also relished, particularly
when the fowls are confined to their
indoor quarters.

DUST BOX FOR WINTER

Methods of Eradicating Lice
Practiced by Poultrymen.

Outdoor Wallow Shown in Illustration
Is Simple in Construction and
Efficient in Operation—Lice
Powder Recipe.

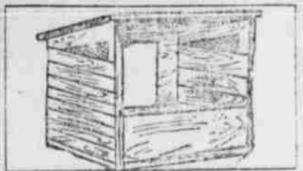
During the winter and early spring
months hens are likely to be infested
with lice. This is often because they
are confined to the poultry house dur-
ing this period and do not have access
to their accustomed dust wallow.

Two methods of eradicating lice are
commonly practiced by poultrymen.
One is to dust each hen with a good
lice powder; the other is to provide
a dust wallow.

Both of these methods have disad-
vantages. The first requires consider-
able labor, for experience has proved
that two applications of lice powder,
eight or ten days apart, are necessary
thoroughly to rid the fowl of lice. The
second method, consisting of an open
or partly inclosed box filled with dust-
ing material and located in the poultry
house, is unhealthful and harmful.

A box that will not fill the air of
the pen with particles of dust is an
improvement. The outdoor wallow
shown in the illustration is simple
in construction and efficient in oper-
ation. It may be constructed of a box
or any kind of lumber.

One side of the box is removed and
replaced by a collar wash. A standard



Rear View of Dust Box.

size, two-light sash is cheap, and pro-
vides sufficient light to make the wallow
attractive. The top should slope
somewhat, so it will shed water, and
should be covered with roofing paper.
The rear side of the box, next to the
poultry house, is also removed, with
the exception of a single board eight
inches high at the bottom, which holds
in the dusting material. On each side
of the box, directly under the roof,
poultry netting is used to cover the
opening caused by the slope. The free
circulation of air thus maintained
tends to settle the dust.

The opening leading from the house
to the wallow is covered with a piece
of muslin which is slit in the middle.
This keeps the dust from coming into
the house.

The dusting material used in the
box is worthy of mention. Three parts
sand, one part laud plaster or gypsum
and a quart of lice powder will be
found effective. A good recipe for
lice powder is as follows:

Place two and one-half pounds of
plaster of paris in a pan. Then mix
together three-fourths of a pint of
gasoline and one-fourth of a pint of 95
per cent crude carbolic acid. Stir the
plaster of paris while you add the
liquid. When thoroughly mixed the
material should be rather crumbly. It
should then be dried and sifted, when
it is ready for use. Keep in a tight
can or jar.

CAUSE OF POOR CORN YIELD

Inferior Quality of Seed Is Given as
Chief Reason for Small Average
in United States.

The average per-acre yield of corn
in the United States is less than 25
bushels—not half a crop.

Poor seed is the greatest cause of
the poor yield of corn. Just one small
eight-ounce ear of corn added to each
hill will raise the average in the
United States to 52 bushels per acre,
double the yield and value of the crop
and add about \$1,700,000,000 to its
total value.

Corn from a standpoint of acreage
yield and value exceeds every other
crop.

Wherever corn is grown there you
find high-priced land and prosperous
people.

No other crop can replace corn, but
corn can readily take the place of any
other grain crop.

Corn is put to a greater number of
uses than any other crop that grows.
There are greater possibilities for
improvement, yield and quality of
corn than any other crop.

SILLO IS SAFEST INVESTMENT

Practical Form of Insurance Against
Shortage of Food at Critical
Time During Winter.

A sillo is the safest investment a
farmer who keeps stock can make. It
is a practical form of insurance
against shortage of food at a critical
time.

It maintains the herd and flock in
better condition and more economi-
cally in winter and supplements pastures
during summer drought.

It may also save a corn crop hit by
an untimely frost, for frosted corn can
be utilized in this way which would
otherwise be almost a total loss.

Hoghouses Need Good Roofs.

The hoghouse should have as good
a roof as any building on the farm. A
leaky roof is death to early spring
pigs and also is very uncomfortable
for the older hogs at any time. The
hog will pay as good returns for qual-
ity as any animal on the farm.

Terrible Train of Troubles.

Lake Charles La.—Mrs. E. Fou-
neir, 516 Kirby street, says: "The
month before I took Cardui, I could
hardly walk. I had backache, head-
ache, pains in my legs, chills, fainting
spells, sick stomach, dragging feel-
ings, and no patience or courage.
Since taking Cardui, I have no more
pains, can walk as far as I want to,
and feel good all the time." Take
Cardui and be benefited by the pe-
culiar herb ingredients which have
found so efficient for womanly ills.
Cardui will relieve that backache,
headache, and all the misery from
which you suffer, just as it has done
for others. Try Cardui—Advertisement.

Mine a Mile Deep.

The deepest mine—gold or of any
other metal—is located in Brazil. It
is near a place bearing the name of
Villa Nova de Lima, in the State of
Minas Geraes, about 330 miles north
of Rio de Janeiro. It has been work-
ed more than 80 years. The com-
bined depths of the connected shafts
give a total of 5,824 feet. In other
words, here is a gold mine that is be-
ing worked at a depth of more than a
mile below the surface of the earth.
Now, be it remembered, that the rock
temperatures increase as the earth's
crust is penetrated, in some regions
the increase being as much as 1 de-
gree Fahrenheit for each 50 to 60 feet
increase in depth. At this rate the
temperature at the bottom of this
mine would be over 100 degrees high-
er than at the surface and fried ham
and eggs might be prepared for the
miners without any other heating ap-
paratus than the loose rocks lying
about. Incidentally the miners would
be going through the frying process
too. Fortunately, however, in this
mine the rate of increase temperature
is only 1 degree for every 100 to 120
feet, giving the rocks a temperature
of only 112 degrees. By forcing
cooled air down into the mine by
means of fans the temperature is low-
ered to a little less than 100 degrees.
Even at that it is rather snug. Still,
the mine has produced a total of about
\$55,000,000 worth of gold, and is
being worked now at a profit of some-
thing over \$700,000 annually.

A Soldier's Unique Will.

A French soldier fighting in the
Argonne has just inherited an estate
valued at \$40,000 from an eccentric
army officer, who lives in the soldier's
native village. The only condition
attached to the legacy is that the
soldier must, from time to time, visit
the grave of his benefactor and relate
there some of his war experiences.
The will says:

"Being without family I leave the
whole of my fortune to Paul Cambon,
farmer. I desire thus to show my
gratitude to him for having for many
years listened patiently and with ev-
ery air of interest to the stories I used
to tell of the War of 1870. I trust
that he will be spared to return to the
village after the present war, and my
only request to him is that he come
occasionally to my tomb and there re-
late some of his own war experi-
ences."

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Suga House Molasses

Nothing Finer For Breakfast if the
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Potatoes, Turnip Greens, Leaf Lettuce, Green Onions,
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years and still their favorite. Imparts health and
beauty to the skin, smoothes away the marks of Time,
brings Nature's bloom to sallow cheeks, discourages
unwelcome lines and wrinkles. Improve
your looks by its daily use.

In tubes 10c., 25c., 50c.
In jars 35c., 50c., 85c., \$1.50.

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you get the best cold cream in the store.



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home paper to brighten the long winter days.

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