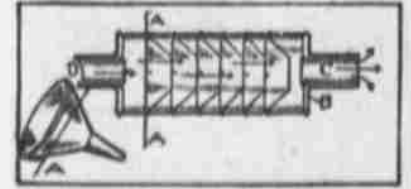


**HOMEMADE ENGINE MUFFLER.**

**If Your Gasoline Machine Is Too Noisy Here's a Way to Check It.**

If the gasoline engine makes too much noise it is easy to make a muffler that will silence the explosions just as effectively as a purchased apparatus, says Orange Judd Farmer. The muffler is made from several funnels and a piece of six inch stovepipe. The funnels should be six inches across the top and should be cut as shown by A in the drawing. Slip these pieces into the stovepipe and fasten the large ends with small stove bolts in about four places around the pipe.

In placing the funnels the small end of each should go on a line with the



HOMEMADE ENGINE MUFFLER.  
[From Orange Judd Farmer.]

opening of the ends, as indicated by the line A A in the drawing. Use enough funnels to fill up the entire length of the stovepipe.

The ends of the muffler are made of floor plates threaded to receive the exhaust pipe D from the engine. The floor plate B should fit firmly into the end of the stovepipe and should be fastened there by screws. To this the pipe C is attached. The holes in the funnels must be in a direct line with the inlet pipe D and the outlet, so that the gases will have a free escape. This will avoid the danger of the muffler becoming stopped up.

Some believe that a muffler on an engine greatly reduces the power, but tests made with this muffler have shown that there is practically no difference with the muffler on or off.

**FARMING WITH A PENCIL.**

The most important farm implement is a lead pencil. Without some form of accounts one cannot know what he is really doing. One cannot know where the profits or the losses are. The time required in keeping accounts will be but a few minutes a day. In many cases the returns will be more for those few minutes than for the rest of the day's work.—Professor W. C. Palmer, North Dakota Agricultural College.

**KEEP THE MILK CLEAN.**

**Four Simple, Inexpensive Precautions Which Any One Can Observe.**

The Virginia experiment station has found by actual experiment that the number of bacteria in milk can be greatly reduced. This is of considerable importance, because it reduces the liability of contamination from disease bacteria as well as those that cause souring, disagreeable odors, etc.

By count it was found that by sprinkling the bedding straw so as to prevent the bacteria from arising the percentage in the milk was reduced 53 per cent. A reduction of 25 per cent was made by using the closed pail in milking as compared with using the open pail.

When the flanks of the cows were moistened and sponged before milking the per cent of bacteria was reduced 23 per cent. By discarding the first four strippings from each test the bacteria were further reduced.

These four precautions, sprinkling the bedding, moistening the flanks of the cow, using a closed pail and discarding the first four strippings, may be practiced without appreciable expense, and they greatly reduce the liability of contamination.

Straw bedding and sawdust were compared as to sanitation, and it was found that fewer bacteria were found where sawdust was used for bedding, but as straw as an absorbent for liquid manure has some value as a fertilizer and sawdust none straw is perhaps better.

**Law Points For the Farmer.**

A farmer in Pennsylvania is legally obliged to fence both sides of a public road running through his farm. A legal fence may be of wire, with or without bars.

The Farm Journal says wood cut on the farm is personal property and would not pass under a deed as the wood house would in which it was piled. In the absence, of course, of any special mention being made in the deed.

Where a seller is not the manufacturer of an article sold and the buyer has an opportunity of examining it there is no implied warranty, in the absence of fraud, that it shall be fit for the purposes for which it is bought, and unless there is an express warranty the doctrine of caveat emptor (let the buyer guard himself) applies.—Construction Company versus Dorsey, Md. 78 Atl., 1050.

"Upon the lease of a farm by A. to B. is B. entitled to a gasoline engine mounted on wheels which A. had used on the farm, moving it from place to place to pump water, nothing having been said in regard to the engine in the lease?" asks a Nebraska reader of the Farm Journal. The answer made is: "No. B. would not be entitled to the engine because it is not a part of the farm leased. It is not attached to the land nor to the buildings, and it may be removed without injury to the leased property."

**TOO MUCH OF A GOOD THING.**

A roasted turkey now and then is relished by the most of men, but when it's warmed up days and days and changed around in various ways—Monday, croquettes; Tuesday, hash; Wednesday in thin soup with splash—There is a limit; call the bluff. You've had more turkey than enough.

A few fresh eggs just now and then are relished by the most of men, but when they're served three times a day in every other kind of way—Boiled and deviled, poached and fried, Croqueted, scrambled, pickled, dyed—if you don't kick and on them from your liver will turn upside down.

A tough old rooster now and then can be endured by most of men, but when it's roost at Sunday noon, then served up cold that night, so soon; then chicken salad the next day, at evening a thin consommé, Why even preachers would get sick And give the table a hard kick.

A few henpecks just now and then Don't bother much the most of men Because a woman is inclined To give way pieces of her mind. But when her tongue runs double quick It's time to duck her in the creek. But say goodbye, I can't write more—Marian's right outside the door. C. M. BARNITZ.

**KURIOS FROM KORRESPONDENTS**

Q. I am about to build a poultry house that will comfortably house 400 Leghorn hens and wish only to spend about \$450 to \$500 on it. Can you furnish a plan suitable or tell me where to secure one? A. The West Virginia agricultural experiment station, Morgantown, W. Va., has just such a house described in bulletin 139. Write for it.

Q. I have noticed that the show fanciers are claiming to have originated the Rhode Island Red. Is this true? Was the bird first bred with fancy points in view? A. No. The originators of this breed in Little Compton, R. I., never thought of fancy points when they mingled the blood of different fine utility breeds to make the Red a combination of the best utility points of them all. They bred for vigor, eggs and flesh, and it is unfortunate that feather fanciers took up the Red, for we fear their frenzy for fancy points will in the end spoil this grand utility bird.

Q. Will you please state if there is a printed standard for judging eggs and market poultry? A. Not at present. At the late Denver meeting of the American Poultry association a committee of nine was appointed to consider the matter and prepare a work to be called "The American Utility Standard."

**FEATHERS AND EGGSHELLS.**

The Rev. C. A. Hehringer, editor of the Milton Times and rector of St. John the Baptist church, did a characteristic thing when he advertised that

chickens would be good as cash for subscriptions. To be strictly orthodox, members of his own denomination should plank down water fowl.

When chicken thieves raided the hen-coop of Constable G. W. Gans, Waynesboro, Pa., they got into the hen hospital instead of the living quarters and bagged all his cripples and roop victims. Next.

Ten thousand ducks died on a duck farm in Cumberland county, Pa., after feeding on a new brand of beef scrap. Meat products so vary in quality and some are so poisonous that it's wise to experiment on a few fowls when a change is made.

Those eggs called "dirties" are mostly produced on wet days when hens run in filth and track it to the nest on the eggs. No one can expect clean, sweet eggs from dirty nests and eggs laid under the barnyard strawstack and hog pen aren't fit to eat.

F. X. Diamond, near Lock Haven, Pa., was awakened by the honking of a flock of geese and got out just in time to save twelve horses from his burning barn. Mr. Diamond will continue to raise geese from the dandy flock that raised the alarm.

The 25,000 egg consumers that formed "The Thirty Cent Egg Club" as a protest against an exorbitant price for hen fruit and conducted a three weeks'

boycott against merchants demanding unjust prices preach a little sermon to others on the text, "Go thou and do likewise."

The winter egg crop is increasing on Pennsylvania farms by the showing at markets and egg shipments from country stores. A Sullivan county country storekeeper tells us that winter eggs have increased 50 per cent since the farmer institute poultry lecturer has been on the job.

The chickens at a Beverly (N. J.) plant are called to their meals by the ringing of the dinner bell. This is almost equal to the trick of a southern farmer who called his hogs by rapping on the house until the woodpeckers imitated the signal and coaxed the hogs off into the woods, where they starved to death chasing around after an imaginary dinner.

Yes, the ten cent egg has gone, never to return. Next in order some farmers should adopt a business method of keeping account with their hens. We know farmers who sell chickens at 9 cents a pound when they cost them 11 to 13. They don't know whether poultry pays them or not, and it's the same with everything else where such lack of system prevails.

During the Allentown (Pa.) fair a Leghorn hen picked the diamond stud off a New York sport's shirt front.

This might be expected of a Diamond Jubilee Orpington hen, but was considered so disgraceful for a Leghorn that some one suggested she be killed to recover the gem. He laughed and moved on. He wore a paste diamond like the most of those folks from New Yawk.

*L. M. Barnitz.*

**Protect Sheep From Dogs.**

A Minnesota farmer says that he keeps dogs away from his flock by putting up in his pasture the dummy of a man holding a stick for a gun. This dummy is taken down every morning and put up again in the evening at different places from night to night. He says a sheep killing dog will not go near enough to the dummy to discover that it is a bogus man.

**Value of Mulch For Fruit.**

With coarse mulch close around fruit plants and a fine earth mulch between the rows large crops may be carried safely through severe droughts. Commence at once and continue until products are mature.—Household Journal.

The Bulletin and the Pacific Homestead a year for only \$1.50.

**FAIRBANKS-MORSE ENGINE.**

A two horsepower Fairbanks-Morse gasoline engine for sale at a great bargain at the Bend Hardware Company's store. In first class condition.

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