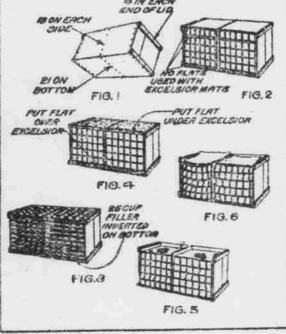
Farm And County News

Plans for Making Better Crates for Shipping Have Been Worked Out by Specialists.

(Prepared by the United States Departmant of Agriculture.) "Handling Eggs for Profit" is the title of a little mimeographed circular issued by the food research laboratory of the bureau of chemistry. United States Department of Agriculture, which gives directions and drawings for the construction of egg cases and outlines methods for packing the eggs

to consuming centers. The specialists in the food research laboratory have made a study of methods for packing and shipping eggs in order to reduce the great losses from breakage that have occurred in the past. This work has been done in all | parts of the country in co-operation with railroads and with egg shippers.



The Right Method of Nailing Crates Is Shown in Fig. 1, Proper Methods of Packing in Fig 2, 3 and 4-Poorly Made and Packed Crates Are Snown in Figs. 5 and 6.

Experimental shipments in different kinds of shipping cases and with the different methods of packing the eggs in the cases have been made and the results compared. An instrument has been devised for measuring and recording the shocks to which cars containing eggs were subjected while in

As a result of these experiments the specialists have recommended methods of packing eggs which reduce breakage to a minimum. These methods have been tried under a great variety of I conditions, and have been incorporated as requirements in the railroad and express classifications for the transportation of eggs.

Nails in place save claims, it is tersely said; and, as shown in figure 1. the number and arrangement of these necessary in order to conform with the requirements of the express and consolidated freight classifications are as follows:

Threepenny nails, cement coated, with large heads. 18 nails for each side, 6 for each end 6 in center. 21 nails for bottom, 7 in each end, 7 in

Egg packers are advised to be sure that they use the correct number of

When 6 paper-covered excelsior mats n.e used, flats should not be placed between the mats and the fillers. When cupped trays made of compressed pulp are employed, it is best to begin by placing one 25-cup filler, receiving side dewnward, on the bottom of the case Then place one 16-cup filler, receiving ide upward on top, nesting it. Fill the cups with eggs and cover with one A6-cup filler. Then place one 25-cup filler, receiving side upward; fill cups with eggs and cover with a 25-cup filler.

Improper packing invites breakage. and figure 5 illustrates a poorly packed case. Sometimes an extremely thin tayer of excelsior, many times a small amount of loose paper, or perhaps nothing at all is placed on the top and bottom, leaving the case loosely packed and the chances for breakage and loss are great. Very frequently such poor ly packed cases have broken and stained fillers and flats, and such a combination greatly increases the prob ability of damage.



Fresh filling for nest boxes every month is none too often.

Don't expect 200-egg pullets fron 100-egg hens. Remember that "like hegets like."

* * * Lice, dampness and overfeeding are responsible for the greater part of the

heavy mortality in young stock.

Improve the quality of your flocks by purchasing some good fowls from a heavy-laying strain of pure-breds. it will be money well spent.

The best way to kill off lice is to prevent them from getting a start. This is rauch easier than it is to give them a chance and then fight them afterward,

Pointed Out by Department of Agriculture as Illustration of Economical Maintenance.

(Prepared by the United States Department of Agriculture.)

The road patrol system used in Grant county, Wash., is pointed out by the United States Department of Agriculture as an illustration of how highways can be maintained most successfully and economically. Other counties in the state use the "gang" system, assigning to each gang a long so as to reduce loss from breakage section, upon which they make repairs while in transit from the producers at intervals, seldom reaching all the necessary points. In Grant county the plan is to prevent a road from getting into bad condition rather than to make

from six to ten miles long, in the 87.83 tion is in charge of a patrolman, who



Patrolman is Responsible for Congition of His Section of Highway.

feeling that he alone is responsible for its condition. While these men work under the direction of the coun- of the real sure enough kind. ty engineer, the details are left largely to their judgment.

machine, called locally a "road fixer," is used. It has a long wheel base and two cutting blades rigidly connected with the carrying frame of the machine. The rear wheels are on sepnecessary small tools for clearing material. He makes his own repairs out of the garden. in the county repair shop under the direction of a skilled mechanic.

The annual cost of this system, states the bureau of public roads, averages \$223 a mile, which is less than other counties pay where roads receive attention "only when they need it." Grant county has graveled roads second to none in the state, and its people are enthusiastic supporters of the patrol system.

TONNAGE ON COUNTRY ROADS

Report of Bureau of Markets Shows Extent to Which Highways Are Being Used.

The necessity of keeping country roads in good condition is shown by a report recently compiled by the bureau of markets and crop estimates, United States Department of Agriculture, showing the extent to which they are used in hauling farm products to market. According to the report, which shows the tonnage of 11 products hauled on country roads, giving the yearly average for the period from 1915 to 1919, there were 27 tons of these 11 crops hauled for every 100 acres of land. The average tonnage of the 11 crops hauled on country roads each year for the period mentioned amounted to 86,560,000 tons. The 11 crops referred to in the report are corn, wheat, oats, barley, rye, rice, flaxseed, cotton (including seed), tobacco, potatoes, and cultivated hay.

BUILD IN FALL AND WINTER

According to Engineers Money Spent in Constructing Roads in Spring, is Wasted.

The building of roads in the spring is opposed by good engineers, who insist that money spent at that season s largely wasted. They hold that work should be done in the fall and winter, when the ground is in better condition and when foundations can be laid with greater permanence. They also criticize the skimpy manner in which foundations are laid, pointing out that subsequent repair bills make the whole cost much greater than the cost of solidly-built roads.

Big Work in Ohle.

The great highway system of Ohio for this year includes the construction of 500 miles of heavy duty roads, representing an outlay of \$11,000,000.

Right of Way in France. In France at crossroads the automobile coming from the right has the right of way.

Cash Value of Good Road. The actual cash value of a good road is something that is hard to de-

termine.

PREVENT BREAKAGE OF EGGS PATROL SYSTEM IS FAVORED HALF YOUR LIVING WITHOUT MONEY COST

Cash Crop. Production Costs Can Be Cut in Half By Food And Grain Making And Saving At Home

Atlanta, Ga .- (Special.)-"No one is wise enough to know or foresee the outcome of the world wide financial and political mix-up that has followed the world war and the inflated price joy riding spree that we have all en gaged in," said H. G. Hastings, Pres ident of the Georgia Association, Georgia's organization for state-wide development.

"The wise farmer in the South will forget the 30 to 40 cent cotton price There are 13 patrol sections, each that led him to disaster in 1920 and figure on a selling price of around miles of county highways. Each sec- 15 cents under conditions of normal yield and acreage which we are very liable to have in 1922. This necessitates reduced cost of cotton making or else being wiped out.

"The cost of cotton or other cash crop making in the South or anywhere else is largely food cost, food his working live stock. With low prices | Hendersonville. for cotton or other cash crop the farmer cannot afford to pay any outsider profit or expense on the food he, his family and working live stock consume. This means to quit living off of supply merchants' shelves and to live off the products of home acres.

"The situation requires chickens. bogs, milk cows and acres of corn, oats, wheat, forage and miscellaneous crops from which to feed them Last but not least, in importance, is the home vegetable garden which is the quickest and cheapest source of lege. food in the world.

"Most folks here in the South don't handsome new residence. are too many of the 'lick and a promise' sort of gardens and mighty few

"We have been 'old repeatedly by those who plan an' prepare for a real A specially constructed light road garden, plant it, tend it and keep it replanted through the season, that it turnishes half the family living at no money cost except the small amount spent for the seeds needed.

"The garden is, or rather should be. arate axles, controlled by separate the earliest planted. It brings food The patrolman carries the the quickest. It starts cutting store bills for food the first week anything weeds, trimming shoulders, cleaning is ready to use. A little later, half ditches, and for handling surfacing or more needed for the table comes

"If rightly tended and replanted it supplies food all summer and fall, the surplus above daily needs goes into cans or is dried for winter use. Yes, the right kind of garden is a lifesaver, and we all need a life-saver of this kind in 1922.

FLAT ROCK, ROUTE 1.

Members of the Oak Grove church met last Sunday, January 1, and reelected the present pastor, Rev. G. B. Russell, for another year.

George Justus, who spent the holidays with his parents, Mr. and Mrs. J. F. Justus, has returned to Washington, N. C.

Miss Irene Brock spent Sunday with

Miss Gertrude Tabor. Misses Edith, Zeta, and Flora Holbert, and brothers, Manual and Rozell Holbert, who have been visiting their sister, Mrs. Gaither Panther, have returned to their home in Forest City. 'Mrs. T. H. M. Tabor visited her parents, Mr. and Mrs. Alex Capps, last week at East Flat Rock.

Mrs. Mary Tabor of Gaffney, S. C., is visiting her son, Hamilton Tabor, of Flat Rock. Mrs. Kelly Roper of Hendersonville

spent Wednesday night with Mr. and Mrs. T. H. M. Tabor. Misses Nannie and Irene Brock spent Wednesday with Miss Irene

Young at Upward. Miss Iner Jackson of the Upward

section is visiting her sister, Mrs. Sherrel Davis, of East Flat Rock. Mrs. Kelly Roper and small sons

risited Mrs. Andy Ervin last week. The school at Upward reopened Thursday, January 5.

Miss Idell Hill of East Flat Rock spent Monday with her sister, Mrs. George Benison.

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is absolutely free. H. G. HASTINGS CO., SEEDSMEN, ATLANTA, GA.

Misses Nannie Brock and Irene Young, who have been spending the holidays with their parents, have re-

Mr. and Mrs. J. F. Justus entertained quite a number of their friends with a corn husking Thursday night. Walter Justus, teacher at Double Springs, left Sunday to reopen school after spending the Christmas holidays

turned to Gastonia, N. C.

Mrs. Walter Justus is visiting her parents at East Flat Rock. Ella Fay.

Prof. and Mrs. W. V. Cope have returned from visiting relatives at Sylva, N. C., and resumed their work in the Oak Forest graded school. Edgar Livingstone of Henderson-

FLETCHER.

rell motored to Alexander Sunday o a singing.

Mrs. H. M. Flynn and children of of Green River last Sunday. lendersonville were guests of relaives here last Thursday.

Miss Neta Cole has returned from ier home at Asheville where sh spent the holidays.

Harvey Lance has returned to Fur for the farmer and his family, food I man University at Greenville, 5. C. in the shape of grain and forage for lafter visiting relatives here and at

W. W. Bagwell of Balfo it was the to Castonia last week, where they are guest of relatives here several days engaged in school work. last week.

George Seals and Willard Lance eft Monday for Fraitland Institute. Misses Hattie and Ruth Livingstone their parents, Mr. and Mrs. J. F. Jushave returned to Alexander after tus of this place. spending the holidays with their par-

J. P. Wilkie and Jason Williams spent Saturday in Hendersonville. Freno Dockings left Wednesday to

Dr. T. W. Sumner is completing his aken the home garden seriously and Mr. and Mrs. T. R. Youngblood and hereby make a great mistake. There children of Asheville were guests of relatives here recently.

A. T. Hart of Flat Rock visited his daughter, Mrs. A. G. Wolfe, last week.

CRAB CREEK.

Neal Hamilton of Hendersonville pent the week-end with his parents, Mr. and Mrs. Mason Hamilton, of Crab

Elliott Ward of Zirconia spent Wednesday night and Thursday of last week with G. J. Patterson of this Mr. and Mrs. Calvin McCall have

returned to their home at Hendersonville after spending a few days here with relatives. Mrs. William Lance of this section

is very sick at the time of this writ-Miss Dorothy Gibbs of Pleasant Hill, spent the week-end here with her

brother, A. G. Gibbs. A son was born to Mr. and Mrs. J. B. Hamilton last week.

GYPSY AND MILLS RIVER.

Clifford R. Butler has returned to Danville, Va., after spending a few days here with his brother, Roscoe

Misses Pauline West and Blanche Ballard spent Saturday with Miss Eunice Logan at Brickton. Miss Corabelle Meese has returned

to Cherryfield after spending the holidays with her parents. Miss Lucy Logan of Columbia, S. C., is spending the holidays with her

mother, Mrs. A. Logan, at Brickton. A daughter was born December 23 to Mr. and Mrs. C. P. Carland of Pisgah Forest. Miss Eunice Logan of Brickton left

Monday for Fruitland Institute after spending the past few days with her

Miss Raven Hildebrand has returned to her home at Brickton after visiting relatives in Canton.

Forrest Ballard of Holly Springs spent the past few days with his sister, Miss Blanche Ballard.

Raymond Carland has returned to Pisgah Forest after visiting his par-

Miss Basha Ball spent Sunday with Misses Hazel and Gertrude Lance. J. R. West, Max Carland, Liston

Bryson and Roy Lance have returned to work at Pisgah Forest. Mr. and Mrs. Walter Case of Fletcher spent the week-end with the lat-

ter's parents here. F. I. Freeman has reopened his school at Oakley after an intermission of about two weeks for the holi-

Mr. and Mrs. Mack Sparrow have moved to Marietta, S. C. Miss Edna Sparrow is home from Mars Hill College for a few days.

UPWARD.

Carl Jones of Upward is ill with pneumonia.

George Justus returned to Washille spent Sunday at his home here. ington, N. C., last week after spend-Miss Lula Cunningham, Carl Cun- ing Christmas with his parents, Mr. 3 ningham, Joe Baldwin and May's Bag- and Mrs. J. F. Justus, of this place. Mr. and Mrs. B. P. Pace of Upward

> Ernest Justus, after spending Christmas with his parents, Mr. and Mrs. J. F. Justus of Upward, return-

visited their brother, Thomas Pace,

ed to Etowah, returned to Etowah, where he is teaching school. Mr. and Mrs. L. V. Lyda, who have been visiting their parents, Mr. and Mrs. B. P. Pace of Upward, returned

Drayton and Miss Lillie Fair Justus returned to Fruitland Institute Monday after spending Christmas with

Miss Irene young, who has been ents, Mr. and Mrs. J. Frank Livings. visiting her parents, Mr. and Mrs. W. S. Young of Upward, returned to Gastonia Tuesday.

Mrs. George Rhodes of Upward spent the week-end with her sister. resume his studies at Weaver Col- Mrs. Mack Drake, of Hendersonville. Mrs. J. M. Stepp of Hendersonville visited Mrs. W. S. Young of this place last week.

Pollyanna.

WEST HENDERSONVILLE.

Miss Corrie Orr of Etowah has accepted a position with the Freeze-Bacon Hosiery Mill.

Mrs. D. W. McCall is on the sick

Mfs. O. L. Norman was the guest of Mrs. John Saltz Sunday. Berton, little son of Mr. and Mrs.

Lee Newman is quite sick. Mr. and Mrs. J. H. Beck spent Sunday with Mr and Mrs. Albert Beck. Mrs. Lewis Anders was the guest of her sister, Mrs. Ben Smith, Sunday. Miss Carrie Saltz was the week-end guest of Misses Dora and Della Mof-

fitt of Horse Shoe.

Johnny.

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