SLIDEFILMS
OF THE
U.S. DEPARTMENT
OF AGRICULTURE

Film prices subject to change
Figure 1.—Diagram of slidefilm frames: A, single; B, double. The single frame runs vertically; the double frame horizontally.
INFORMATION FOR PURCHASERS OF SLIDEFILMS

THIS CATALOG brings you prices of slidefilms of the United States Department of Agriculture. Titles are listed in alphabetical order according to topic; topics are shown in the contents. Slidefilms are listed numerically on pages 27 through 29. The slidefilms available in double-frame size (fig. 1) are so indicated.

Slidefilms of the United States Department of Agriculture cover many phases of agriculture and home economics. They are designed for use in teaching better farm and home practices. Most of them are prepared cooperatively by the Extension Service and the various subject-matter bureaus of the Department. The Department bureaus credited with the slidefilms listed in this catalog are indicated by initials, in parentheses, according to the following key:

AAA Agricultural Adjustment Agency.
AIC Agricultural and Industrial Chemistry (Bureau of).
BAE Bureau of Agricultural Economics.
BAI Bureau of Animal Industry.
BDI Bureau of Dairy Industry.
FAR Foreign Agricultural Relations (Office of).
FS Forest Service.
HNHE Human Nutrition and Home Economics (Bureau of).
Inf. Information (Office of).
PISAE Plant Industry, Soils, and Agricultural Engineering (Bureau of).
REA Rural Electrification Administration.
SCS Soil Conservation Service.
WFA War Food Administration.

All slidefilms of this Department are on 35-millimeter nonflammable motion-picture film. They cannot be used in motion-picture projectors, or in

1 The supplement to this catalog lists the Department slidefilms that are available in color. You can obtain a copy of this list by writing to the Extension Service, U. S. Department of Agriculture, Washington 25, D. C

Washington, D. C.  Issued April 1951
glass lantern-slide projectors of either size, without adapters. They may be used in combination projectors designed to show either slidefilms or 2- by 2-inch color slides.

Slidefilms are known by several other names, such as film strips, film slides, and by private trade names. They should not be confused with motion pictures.

All the slidefilms listed in this catalog are silent, but lecture notes are furnished by the Department unless otherwise noted. In a few instances, farmers' bulletins contain all the supplemental information required.

Slidefilms are issued in single-frame, in double-frame, or in both sizes. The single-frame films may be used in any slidefilm projector. The double-frame films may be used only in projectors designed to accept them, although many extension workers cut the frames apart and mount them in 2- by 2-inch slides for use alone or in combination with the color slides they produce locally. When both sizes are listed under a particular film, be sure to specify which size is desired. The versions are identical in content. Both are on 35-millimeter-width film, and they differ only in the size of the picture itself.

Please note that prices are subject to change on July 1, 1951. Instructions for ordering are to be found on page III. Extension editors and other leaders are notified of the issuance of all new slidefilms. All new releases are listed in the Extension Service Review.

MOTION PICTURES

Listed also in this catalog under their relevant topics are the titles of certain motion pictures available from the Department. More detailed information about these motion pictures and others can be found in Agriculture Handbook 14, Motion Pictures of the United States Department of Agriculture. Send your request for the motion-picture catalog to Motion Picture Service, United States Department of Agriculture, Washington 25, D. C.
INSTRUCTIONS FOR ORDERING SLIDEFILMS

Read These Instructions Before Placing Your Order

When purchasing slidefilms, send your order direct to Photo Lab, Inc., 3825 Georgia Avenue NW., Washington 11, D. C., the firm that holds the Department's contract for the year ending June 30, 1951.

The prices given in this catalog are for single copies. When 10 or more copies of any one slidefilm are ordered, slightly lower prices are charged. These quantity prices will be supplied on request. (No discount is given on orders for single copies of more than one strip.) All prices are for single-frame slidefilms unless otherwise specified.

Remit by money order or check made payable to Photo Lab, Inc., and forward direct to that firm. A money order or check should accompany each order, except in the case of large institutions which follow the practice of issuing formal business orders. However, the contractor will not carry on an open-account basis orders for less than $3.

For information regarding slidefilms write to the Extension Service, United States Department of Agriculture, Washington 25, D. C.

IMPORTANT

The contractor listed above, Photo Lab, Inc., is the only organization authorized to sell slidefilms in black and white made from original material prepared in and by the United States Department of Agriculture. As slidefilms are frequently revised, orders should be placed only after the latest Department catalog has been consulted.
<table>
<thead>
<tr>
<th>GUIDE TO SUBJECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Agricultural economics</strong></td>
</tr>
<tr>
<td><strong>Agricultural engineering</strong></td>
</tr>
<tr>
<td><strong>Dairying</strong></td>
</tr>
<tr>
<td><strong>Extension work</strong></td>
</tr>
<tr>
<td>General</td>
</tr>
<tr>
<td>4-H Club activities</td>
</tr>
<tr>
<td>Home demonstration work</td>
</tr>
<tr>
<td><strong>Farm labor</strong></td>
</tr>
<tr>
<td><strong>Farming (general)</strong></td>
</tr>
<tr>
<td><strong>Field crops</strong></td>
</tr>
<tr>
<td>Cereals</td>
</tr>
<tr>
<td>Cotton</td>
</tr>
<tr>
<td>Grasses and haymaking</td>
</tr>
<tr>
<td><strong>Fire prevention and control</strong></td>
</tr>
<tr>
<td><strong>Forestry</strong></td>
</tr>
<tr>
<td><strong>Home economics</strong></td>
</tr>
<tr>
<td><strong>Horticulture</strong></td>
</tr>
<tr>
<td>General</td>
</tr>
<tr>
<td>Gardening</td>
</tr>
<tr>
<td>Orchards</td>
</tr>
<tr>
<td><strong>Insects</strong></td>
</tr>
<tr>
<td>General</td>
</tr>
<tr>
<td>Bee culture</td>
</tr>
<tr>
<td>Crop insects</td>
</tr>
<tr>
<td>Pests of livestock and man</td>
</tr>
<tr>
<td><strong>Livestock</strong></td>
</tr>
<tr>
<td>Animal diseases and pests</td>
</tr>
<tr>
<td>Breeding</td>
</tr>
<tr>
<td>Dairy cattle</td>
</tr>
<tr>
<td>Horses and mules</td>
</tr>
<tr>
<td>Poultry</td>
</tr>
<tr>
<td>Rabbits</td>
</tr>
<tr>
<td>Sheep</td>
</tr>
<tr>
<td>Swine</td>
</tr>
<tr>
<td><strong>Marketing</strong></td>
</tr>
<tr>
<td><strong>Miscellaneous</strong></td>
</tr>
<tr>
<td><strong>Plant diseases</strong></td>
</tr>
<tr>
<td><strong>Rural electrification</strong></td>
</tr>
<tr>
<td><strong>Safety</strong></td>
</tr>
<tr>
<td><strong>Soil conservation</strong></td>
</tr>
<tr>
<td>General</td>
</tr>
<tr>
<td>Regional</td>
</tr>
<tr>
<td><strong>Wildlife</strong></td>
</tr>
<tr>
<td>Numerical list of slidefilms</td>
</tr>
</tbody>
</table>
SLIDEFILMS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL ECONOMICS

Conditioning and cleaning seed cotton. No. 512. Released January 1939. (PISAE; BAE; Ext.)

See AGRICULTURAL ENGINEERING. (62 frames, $0.65.)

Gins and ginning. No. 513. Released December 1938. (PISAE; BAE; Ext.)

See AGRICULTURAL ENGINEERING, page 2. (56 frames, $0.65.)


AGRICULTURAL ENGINEERING

Bringing an old Wisconsin farmhouse up to date. No. 354. Released January 1935. (PISAE; Univ. Wis.; Ext.)

At small cost a dairy-farm family made over, from foundation to roof, an old timber house with lumber from their own woods and now live in a comfortable modern dwelling. (45 frames, $0.60.)

Care and repair of farm machinery. No. 628. Released March 1942. (Mo. Ext. Serv. and Fed. Ext.)

A series of illustrated charts, prepared by the Missouri Extension Service. As these charts are self-explanatory, no lecture notes were issued. (49 frames, $0.60.)

Conditioning and cleaning seed cotton. No. 512. Released January 1939. (PISAE; BAE; Ext.)

Shows need of proper picking and drying of cotton to preserve its natural value. Drawings and photographs of types of drying and cleaning equipment in use. (See also No. 513.) (62 frames, $0.65.)

Reissued March 1951
Farm water supply. No. 104. Revised November 1937. (PISAE; Ext.)

Drawings, readers, and photographs show sources of water supply, how it can be made available for stock and home, and aids in keeping it clean. (48 frames, $0.60.)

Gins and ginning. No. 513. Released December 1938. (PISAE; BAE; Ext.)

Shows progressive improvements in ginning devices from earliest times and how modern ginning, which involves drying, extracting, cleaning, affects the appearance of lint and its market value. Drawings and photographs show types of equipment in use. (See also No. 512.) (56 frames, $0.65.)

History and development of agricultural implements and machinery. No. 335. Revised June 1942. (PISAE; Ext.)

Depicts the history and development of farm implements and machinery used in American agriculture from before 1850 to the early part of the twentieth century. Although this slidefilm illustrates the development of but a few farm implements, an attempt has been made to indicate some changes that have taken place in plows, cultivators, planters, seeders, grain harvesters, and threshing machines. (54 frames, $0.65.)

Hog houses and equipment. No. 53. Revised March 1940. (BAI; Ext.)

See LIVESTOCK, Swine, page 18. (30 frames, $0.60.)

Use of logs in farm buildings, The. No. 648. Released June 1944. (PISAE; Ext.)

The use of logs in building construction, which was well understood by the pioneers, has been revived within the past decade. The present shortage of building materials and skilled workmen suggests a greater use of local resources to conserve critical work materials.

Logs can be utilized for most farm buildings. Careful chinking helps to make the interior warm in winter and cool in summer, also dry.

Photographs of structures that have been built furnish helpful suggestions as to the effective use of logs. (50 frames: Single, $0.60; double, $1.)

DAIRYING

Dairy herd improvement association, The; identification and permanent record program. No. 554. Released January 1939. (BDI; Ext.)

Positive identification of animals is necessary in order to trace family lines for possessors of superior inheritance. The tester eartags animals and records his findings with the United States Bureau of Dairy Industry. (38 frames, $0.60.)

Feeding and care of the dairy calf. No. 623. Released March 1942. (BDI; Ext.)

The housing, health, feeding, training, earmarking of the dairy calf, from its birth to vigorous development, are shown in detail in this slidefilm of pictures and charts. (49 frames, $0.60.)

Marketing feeds through dairy cows. No. 379. Released August 1935. (BDI; Ext.)

Types of cows and how to determine their value and kinds and value of feeds. (31 frames, $0.60.)

Production of high-quality cream for butter making. No. 429. Released September 1937. (BDI; Ext.)

Clean practices in milking, clean farm surroundings, prompt cooling, and frequent delivery assure high quality cream. (30 frames, $0.60)

Save work in doing dairy chores. No. 674. Based on Vermont Agricultural Experiment Station Bulletin 503. Released March 1947. (Ext.)

The story of how one Vermont farmer studied the way he was doing his dairy-barn chores and, as a result, was able to make improvements that saved 2 hours and 5 minutes of time daily and 2 miles of walking. (59 frames: Single, $0.65; double, $1.25.)

Some methods of estimating milk quality by bacterial tests. No. 170. Revised February 1939. (BDI; Ext.)

Steps in three tests for estimating bacteria in milk and counting colonies. Utensils and surroundings must be clean to assure high quality milk. (49 frames, $0.60.)

Some principles of breeding demonstrated with the herediscope. No. 278. Revised May 1942. (BDI; Ext.)
Designed to aid extension workers in applying in a practical way some of the fundamental laws of heredity that have been little understood by dairy-cattle breeders. This slidefilm should be used only in connection with the herediscope, a device designed by R. R. Graves of the Bureau of Dairy Industry. (40 frames, $0.60.)

MOTION PICTURES ON RELATED SUBJECTS: Feeding Farm Animals. More Milk.

EXTENSION WORK

GENERAL

County agent, The. No. 654. Released October 1944. (Ext.)

Intended especially for persons unfamiliar with the educational program of the Department of Agriculture, administered through the Extension Service. The aim of this slide film is to acquaint them with the county agent and his work. It describes in brief his agricultural background and who he is, and illustrates in general his activities in helping farmers to solve their problems. His influence on the people in the county as a leader in rural affairs is emphasized.

As a typical example of a county agent and his work, we have chosen County Agent McVean of Kent County, Md., though a few pictures of other county agents are included. (64 frames: Single, $0.65; double, $1.25.)

Exhibit ideas. No. 631. Released April 1942. (Ext.)

Made up of photographs of exhibits that are analyzed and criticized in the lecture notes. The slidefilm is not intended for use before audiences, but rather for self-improvement and planning on the part of agents. Study of Department of Agriculture Miscellaneous Publication 634—Educational Exhibits—in connection with this slidefilm will aid agents in planning effective but inexpensive exhibits. (37 frames, $0.60.)

Farm forestry extension in the United States. No. 393. Released February 1936. (FS; Ext.)

Growing forest trees on farm woodlands under direction of State extension foresters and county agents offers a variety of possible benefits. (69 frames, $0.70.)

Home-grown food: Production, preservation. No. 663. Released October 1945. (Ext.)

Depicts the great variety of ways in which farm and urban families have responded to the Nation's call for increased
food production and home food preservation in accordance with recent research findings. The scope of the national food program is indicated in this discussion of results, as described in extension agents’ reports submitted annually to the U. S. Department of Agriculture. (64 frames: Single, $0.65; double, $1.25.)

MOTION PICTURES ON RELATED SUBJECTS Food and Soil. For Years to Come.

4-H CLUB ACTIVITIES

Depicts high lights of the seventeenth National 4-H Club camp, held in Washington, D. C. (35 frames, double, $0.90.)

HOME DEMONSTRATION WORK

Convenient storage spaces, a joy to the farm family. No. 408. Released November 1936. (Oreg. Agr. Col.; HNHE; Ext.)
Carries a floor plan for a house well equipped with storage space. (62 frames, $0.65.)

Finding minutes. No. 638. Released April 1943. (Fed. Ext. and N. J. Ext. Serv.)
Made up of drawings. If you are losing time and zest in your homemaking, the first drawings remind you where you may be at fault; the rest show that planning your work and knowing the right thing to do—be it large or small and done indoors or out—free you for health, leisure, fellowship. (43 frames: Single, $0.60; double, $1.)

Planning our family life. No. 587. Revised September 1944. (Ext.)
Where each in a family group shares equally in planning for the farm, home, and members, the problems of everyday life are solved cooperatively, and the children learn their relationship and responsibilities to their community and Nation. (59 frames, $0.65.)

Simple way to iron a shirt, A. No. 649. Released June 1944. (Fed. Ext. and N. Y. Ext. Serv.)
Presents a quick, simple method of ironing men’s shirts which requires much less time than the usual methods. (44 frames: Single, $0.60; double, $1.)

No one can afford to spend all day doing housework, or neglect it too much because of outside activities. A good manager works quickly and easily, gets the job done, and has time left for other things. There is a short and easy way to do every task. Unnecessary motions and steps need to be eliminated. The correct way of doing a job must be put into practice. (60 frames: Single, $0.65; double, $1.25.)

MOTION PICTURE ON RELATED SUBJECT: For Health and Happiness.

FARM LABOR

Labor efficiency on the farm. No. 630. Released March 1943. (Ext.)

In major jobs and in minor details of farm work, know how to make best use of the worktime of hired helpers and of your own the year round. Plan your work; make work light and save time; save lost motion of men and equipment; grow crops to yield high; handle labor intelligently. (48 frames: Single, $0.60; double, $1.)

Learning about farm jobs from pictures. No. 652. Released June 1944. (Ext.)

Designed to help in reaching a decision on how to do a farm job in a certain area. Shows how pictures may be used with job instruction. (50 frames: Single, $0.60; double, $1.)

FARMING (GENERAL)

American farm home life. No. 669. Released June 1946. (Ext.)

Designed to give a general conceptions of modern home life on the farm as it may be found throughout the country. Supersedes No. 270. (62 frames, $0.65.)

Farm to fit your land. No. 676. Released June 1947. (SCS; Ext.)

Helps to depict the best use and treatment of land for practical purposes; classifies the land according to what it can produce best and still retain its productivity. (62 frames: Single, $0.65; double, $1.25.)
Irrigation—lifeblood of the West. No. 680. Released December 1947. (SCS; Ext.)

Shows history and development of agriculture in the West and its value in converting the arid and semiarid land of this area into prosperous and productive farms. (56 frames: Single, $0.65; double, $1.25.)

Is farming for me? No. 664. Released July 1945. (Inf.; Ext.)

Prepared to give servicemen, veterans, and others who may want to farm a glimpse of what farm life is like. As many important factors should be considered, the purpose of this presentation is to help prospective farmers decide whether to farm or not and direct them to sources of practical information on the subject. (54 frames, $0.65.)

FIELD CROPS

CEREALS


See CROP INSECTS, page 15. (33 frames: Single, $0.60; double, $0.90.)

Treat seed grain. No. 459. Released January 1938. (PISAE; Ext.)

See PLANT DISEASES, page 22. (56 frames, $0.65.)

COTTON

Conditioning and cleaning seed cotton. No. 512. Released January 1939. (PISAE; BAE; Ext.)

See AGRICULTURAL ENGINEERING, page 1. (62 frames, $0.65.)

Facts about cotton and southern farming. No. 666. Released March 1946. (Fed. Ext. and Ext. Serv. of Cotton States.)

Presents graphs showing cotton problems of today. No lecture notes; the slidefilm is self-explanatory. (63 frames, double, $1.25.)

Gins and ginning. No. 513. Released December 1938. (PISAE; BAE; Ext.)

See AGRICULTURAL ENGINEERING, page 2. (56 frames, $0.65.)
MOTION PICTURES ON RELATED SUBJECTS: Cotton, the Co-op Way. Five Bandits of the Cotton Crop. Men Who Grow Cotton. Some Pickin'.

GRASSES AND HAYMAKING

Frontiers of grass; a story of the western range. No. 585. Released December 1939. (AAA; Ext.)

See SOIL CONSERVATION, Regional, page 25. (64 frames, $0.65.)


FIRE PREVENTION AND CONTROL

Prevent farm-fires. No. 642. Released October 1944. (Ext. and Purdue Univ., coop.)

A challenge to you! Help to reduce the annual fire loss in your county by fireproof construction; replacements, not patches; approved wiring. Twenty percent of the fires are caused by human beings through carelessness with matches, cleaning fluids, and other combustible materials. Eliminate fire hazards, inside and out. They are costly. (38 frames: Single, $0.60; double, $1.)


FORESTRY

Community forests, a local asset. No. 604. Released January 1941. (FS; Ext.)

A pre-Revolutionary community forest has been a valuable asset from the start. Such forests in a number of States now yield profit, employment, and recreation. (79 frames: Single, $0.70; double, $1.50.)

Famous trees in the United States. No. 507. Released January 1939. Lecture notes slightly revised. (FS; Ext.)
Trees that commemorate events in history and life, trees noted for size or age or unusual form, trees planted by far-sighted early national leaders. (80 frames, $0.70.)

Farm and the farm woods, The. No. 622. Released January 1942. (SCS; Ext.)

See SOIL CONSERVATION, General, page 23. (48 frames: Single, $0.60; double, $1.)

Farm forestry extension in the United States. No. 393. Released February 1936. (Ext.; FS)

See EXTENSION, General, page 4. (69 frames, $0.70.)

Farm forestry in the South. No. 447. Released September 1937. (FS; Ext.)

Good practices in farm woodland management pay. Various trees may be profitably grown. (64 frames, $0.65.)

Forestry and human welfare. No. 506. Released April 1938. (FS)

Forests contribute to the grazing of livestock and game, water supply, recreation. (59 frames, $0.65.)

Production of maple syrup, The. No. 682. Released February 1948. (Ext.)

See MISCELLANEOUS, page 21. (59 frames: Single, $0.65; double, $1.25.)

Southern pines pay. No. 595. Released July 1940. (FS; Ext.)

Idle land may be turned to profit by planting to pines that yield turpentine, timber, and other crops within a few years. Protect stands against fire. (50 frames, $0.60.)

Tree planting and land use. No. 620. Released November 1941. (SCS; Ext.)

See SOIL CONSERVATION, General, page 24. (54 frames: Single, $0.65; double, $1.25.)

Use of logs in farm buildings, The. No. 648. Released June 1944. (PISAE; Ext.)

See AGRICULTURAL ENGINEERING, page 2. (50 frames: Single, $0.60; double, $1.)


HOME ECONOMICS

Canning chicken. No. 658. Released March 1945. (Ext.; HNHE)

Shows how to can poultry according to methods recommended by the Bureau of Human Nutrition and Home Economics, and also demonstrates a quick and simple way to cut up a bird. All photographs were made in the experimental laboratories of the Bureau and represent the how-to-do-it steps based on the Bureau's research. (45 frames: Single, $0.60; double, $1.)

Canning fruits and tomatoes. No. 660. Released June 1945. (HNHE; Ext.)

This slidefilm is in two parts. Following introductory pictures of equipment, Part 1 shows how to can a fruit, illustrating step-by-step with peaches, according to the method recommended by the Bureau of Human Nutrition and Home Economics. Part 2 shows how to can tomatoes by the same method. Other acid vegetables canned the same way are pickled beets, sauerkraut, and ripe pimiento peppers. All photographs were made in the experimental laboratories of HNHE. (49 frames, double, $1.)

Canning meat. No. 659. Released June 1945. (Ext.; HNHE)

Shows how to can meat according to methods recommended by the Bureau of Human Nutrition and Home Economics. All photographs were made in the experimental laboratories of the Bureau, and represent the how-to-do-it based on the Bureau's latest research. (40 frames: Single, $0.60; double, $1.)

Canning vegetables the steam-pressure way. No. 661. Released June 1945. (HNHE; Ext.)

How to can snap beans according to the method recommended by the Bureau of Human Nutrition and Home
Economics is shown step-by-step. All vegetables, except tomatoes and pickled beets, are canned this way. The photographs were made in the laboratories of HNHE, and follow the method described in AIS-64—Home Canning of Fruits and Vegetables. This leaflet, issued by the United States Department of Agriculture, includes time-tables and other printed directions as well as many of the pictures shown in this slidefilm, so that home canners may have them for inspection and ready reference. (32 frames, double, $0.90.)

Convenient storage spaces, a joy to the farm family. No. 408. Released November 1936. (Oreg. Agr. Col.; HNHE; Ext.)

See EXTENSION, Home Demonstration Work, page 5. (62 frames, $0.65.)

Cooking meat according to the cut. No. 314. Revised May 1947. (HNHE; BAI; Ext.)

Because of its great popularity, this slidefilm has been revised for better presentation. It illustrates methods of cooking various cuts of meat so as to conserve food value and bring out flavor to the fullest extent. (54 frames, $0.65.)

Cooking poultry, older birds. No. 561. Released April 1939. (HNHE; Ext.)

Steps in braising, casseroiling, steaming, stewing older birds; suggestions for typical dishes. (38 frames, $0.60.)

Cooking poultry, young birds. No. 560. Released April 1939. (HNHE; Ext.)

Steps in broiling, pan frying, French frying, roasting chickens, and cooking other young birds. (51 frames, $0.65.)

Frozen-food lockers and your food supply. No. 586. Released September 1940. (BAI; Ext.)

Home-raised food makes your income reach. Freeze and store this food, properly wrapped, to keep fresh throughout the year in a locker plant of sound construction. The slidefilm carries a floor plan for a complete locker plant and shows types of lockers, a home-made freezer chest, details of construction of a locker plant, and how to grow and prepare plant and animal foods to freeze best. (63 frames, $0.65.)

Home-grown food: Production, preservation. No. 663. Released October 1945. (Ext.)

See EXTENSION WORK, General, page 4. (64 frames: Single, $0.65; double, $1.25.)
Simple way to iron a shirt, A. No. 649. Released June 1944. (Fed. Ext. and N. Y. Ext. Serv.)

See EXTENSION, Home Demonstration Work, page 5. (44 frames: Single, $0.60; double, $1.)

Slip covers for straight chairs. No. 592. Released October 1940. (HNHE; Ext.)

Shows in detail how to measure for material needed; how to choose fabrics; how to cut, fit, and finish. (64 frames, $0.65.)

Slip covers for upholstered chairs. No. 591. Released October 1940. (HNHE; Ext.)

We see how to measure two types of these chairs for material needed; select fabric; cut, fit, trim, finish; make and use patterns. (65 frames, $0.70.)


See EXTENSION, Home Demonstration Work, page 6. (60 frames: Single, $0.65; double, $1.25.)


HORTICULTURE

GENERAL

Propagation of trees and shrubs by vegetative means. No. 600. Released November 1940. (PISAE; Ext.)

This means of propagation insures true perpetuation. Use stolons, layers, cuttings, grafts, buds, sprouts, rootstocks as shown. (47 frames. $0.60.)


GARDENING

Back-yard vegetable garden, A. No. 657. Released March 1945. (PISAE)

The process of growing vegetables in a 30- by 50-foot plot in a small suburban back yard. The slidefilm covers
selecting the site; planning the garden; spading and preparing the ground; planting, thinning, staking tomatoes and beans; cultivating, irrigating, and succession cropping. A section on making compost is included. (60 frames: Single, $0.65; double, $1.25.)

**Flower gardens. No. 500. Released April 1938. (PISAE; Ext.)** Informal, formal, and special gardens on parade enlist our enthusiasm to try flower gardening. (64 frames, $0.65.)

**Gardening cartoons, a dozen “don’ts” for gardeners. No. 633. Released April 1942. (Ext.)** Reproduction of the cartoons that appeared in the March 1, 1942, issue of Consumers’ Guide, including the caption under each cartoon and a garden plan. No lecture notes. (16 frames, double, $0.90.)

**Home-grown food: Production, preservation. No. 663. Released October 1945. (Ext.)** See EXTENSION, General, page 4. (64 frames: Single, $0.65; double, $1.25.)

**Home-grown plants for transplanting. No. 656. Released January 1945. (PISAE)** Many gardeners in town and city and on the farm will find it advantageous to grow their own plants for setting out. This slidefilm shows in close-up detail, step by step, the various operations and tricks of the process—preparing the soil, putting it in boxes, treating seed, planting seed, caring for the young plants, transferring them to flats, cups, and pots, and finally setting them out. (37 frames; Single, $0.60; double, $1.)

**Insect pests of garden vegetables and their control. No. 503. Released April 1938. (EPQ; Ext.)** See INSECTS, Crop Insects, page 15. (63 frames, $0.65.)

**New gardener, The. No. 641. Released April 1943. (Fed. Ext. and N. C. Ext. Serv.)** Charts the beginner’s course simply and in detail through the main steps in gardening. We see how to prepare the ground; how to plant various seeds, how far apart, and not too thick or deep; how and when to transplant, weed, stake, and harvest. (49 frames: Single, $0.60; double, $1.)

**MOTION PICTURE ON RELATED SUBJECT: Grow Your Own.**
ORCHARDS

Soil erosion and its control in orchards.  No. 611.  
Released April 1941.  (SCS; Ext.)

See SOIL CONSERVATION, General, page 24.  (38 frames: Single, $0.60; double, $1.)

MOTION PICTURE ON RELATED SUBJECT: Orchard Irrigation.

INSECTS

GENERAL

Insects, their growth and structure.  No. 399.  Released April 1936.  (EPQ; Ext.)

Drawings show types and kinds of insects, the external anatomy, the internal anatomy in general, and some life cycles.  (44 frames, $0.60.)

MOTION PICTURES ON RELATED SUBJECTS: Block That Termite.  The Cicada.

BEE CULTURE

Anatomy of the honeybee, The.  No. 151.  Revised September 1939.  (EPQ; Ext.)

Detail structures of the parts of worker, queen, and drone as an aid in knowing bee culture and activity.  (33 frames: Single, $0.60; double, $0.90.)

Diagnosis of bee diseases in the apiary.  No. 171.  Slightly revised June 1942.  (EPQ; Ext.)

The symptoms of the different diseases of bees distinguished in the apiary and methods of control are shown and discussed.  This slidefilm is intended for extension workers, State apiary inspectors, and instructors in agriculture.  Workers thoroughly familiar with bee diseases can substitute their own notes.  (58 frames, $0.65.)

First lessons in beekeeping.  No. 346.  Slightly revised October 1941.  (EPQ; Ext.)

Standard equipment and practical method of handling bees for production of honey for home use.  (45 frames, $0.60.)

Transferring bees to movable-frame hives.  No. 616.  
Released May 1942.  (EPQ; Ext.)

The honey supply of this country can be greatly increased if bees are handled by modern methods.  Here we follow
through in detail the method of transferring bees from box hives and log "gums" to modern movable-frame hives, from the beginning of smoking and drumming out the bees, cutting combs to be moved, care in handling, use of modern equipment, to the final views in the slidefilm—an apiary built for northern winter and how to shelter it from the wind. (36 frames: Single, $0.60; double, $1.)

MOTION PICTURE ON RELATED SUBJECT: Realm of the Honeybee

CROP INSECTS

Chinch bugs and how they are controlled. No. 551. Released February 1939. (EPQ; Ext.)
Life stages and habits of the insect, damage it does, and how it may be controlled. (36 frames, $0.60.)

Grasshoppers and their control. No. 360. Released April 1935. (EPQ; Ext.)
Several kinds of common grasshoppers, stages of their incomplete life cycle, examples of their damage. The insect is controlled by natural enemies and by poisoning with a prepared bait. (41 frames, $0.60.)

Gives the history and life habits of the hessian fly and recommends measures for its control. The slidefilm would be of greatest usefulness in winter-wheat regions. (33 frames: Single, $0.60; double, $0.90.)

Insect pests of garden vegetables and their control. No. 503. Released April 1938. (EPQ; Ext.)
Life stages and plant injury of many common insects of the two general types classified according to mouth parts. (63 frames, $0.65.)

MOTION PICTURES ON RELATED SUBJECTS: Five Bandits of the Cotton Crop. The European Corn Borer.

PESTS OF LIVESTOCK AND MAN

Cattle grubs, or heel flies. No. 637. Released 1942. (EPQ; Ext.)
Only in its grub stage, at the end of its 9-month journey through an animal's body tissues, can this pest be destroyed. Here you see various controls applied, some best for farm herds, others for range. You also see seasonal and life cycles, attack on cattle and their defense, close-ups, distribution. (33 frames: Single, $0.60; double, $0.90.)
Horse bots and how to fight them. No. 405. Released March 1936. (EPQ; Ext.)
Three kinds of botfly and their life cycles. Protect horses from flies and control bots through community action. (39 frames, $0.60.)

Housefly and its control, The. No. 681. Released October 1947. (EPQ; Ext.)
Shows ways and means of reducing large numbers of flies by eliminating breeding places and destroying the insects and larvae by modern chemical insecticides. (34 frames: Single, $0.60; double, $0.90.)


LIVESTOCK

ANIMAL DISEASES AND PESTS

Brucellosis of cattle (Bang's disease). No. 632. Released June 1942. (BAI; Ext.)
Gives the history, symptoms, and causes of brucellosis, and control methods. This disease is also known as infectious or contagious abortion, and abortion disease. Self-explanatory. (48 frames: Single, $0.60; double, $1.)

Cattle grubs, or heel flies. No. 637. Released 1942. (EPQ; Ext.)
See INSECTS, Pests of Livestock and Man, page 15. (33 frames: Single, $0.60; double, $0.90.)

Eradicating tuberculosis from livestock and poultry. No. 515. Released March 1939. (BAI; Ext.)
Types of tubercle bacilli that cause disease in farm animals; animals are tuberculin tested; effects of the disease and its prevention. (36 frames, $0.60.)

Depicts symptoms in order to aid the farmer in recognizing the disease. Shows the need for drastic steps in destroying diseased animals, cleaning and disinfecting premises, and reporting suspected cases to livestock authorities. (33 frames: Single, $0.60; double, $0.90.)

Trichinosis, a disease easily prevented. No. 573. Released October 1939. (BAI; Ext.)
Stages of the parasite, causes of the disease, and its spread and prevention. (31 frames, $0.60.)


BREEDING

Some principles of breeding demonstrated with the herediscope. No. 278. Revised May 1942. (BDI; Ext.)

See DAIRYING, page 3. (40 frames, $0.60.)

DAIRY CATTLE

Feeding and care of the dairy calf. No. 623. Released March 1942. (BDI; Ext.)

See DAIRYING, page 3. (49 frames, $0.60.)

MOTION PICTURE ON RELATED SUBJECT: Feeding Farm Animals.

HORSES AND MULES

Horse bots and how to fight them. No. 405. Released March 1936. (EPQ; Ext.)

See INSECTS, Pests of Livestock and Man, page 16. (39 frames, $0.60.)

MOTION PICTURE ON RELATED SUBJECT: Horses and Bots.

POULTRY

Eradicating tuberculosis from livestock and poultry. No. 515. Released March 1939. (BAI; Ext.)

See Animal Diseases and Pests, page 16. (36 frames, $0.60.)

National poultry improvement plan, The. No. 413. Released April 1938. (BAI; Ext.)

Through his official State agency, any flock owner, hatcheryman, or breeder may participate in this plan to improve breeding and production qualities, identify these qualities with uniform terminology, and control pullorum disease. How flocks may meet the requirements of the three pullorum-control classes and the five progressive breeding stages is shown by readers, table, and photographs. (48 frames, $0.60.)
Selecting hens for egg production. No. 126. Revised May 1940. (BAI; Ext.)
How to tell the laying hen from the nonlayer, how molting and bleaching index egg production, how to improve the flock by selecting and breeding. (55 frames, $0.65.)

Standard breeds of poultry. No. 133. Revised April 1940. (BAI; Ext.)
Standard varieties of poultry, male and female, and the parts of fowls named. There are a few pictures of breeds of geese, ducks, turkeys. (48 frames, $0.60.)


RABBITS

Rabbit raising. No. 685. Released August 1949. (BAI; Ext.)
Presents information on desirable practices for breeding and feeding the domestic rabbit, and marketing its meat, pelts, and wool. This information is suitable for both the small back-yard rabbitry and the full-time operator. (50 frames, double, $1.)

SHEEP

Breeds of sheep. No. 141. Revised July 1939. (BAI; Ext.)
Several breeds of sheep classified on the basis of fine, medium, and coarse wool, and Karakul fur. (56 frames, $0.65.)

MOTION PICTURES ON RELATED SUBJECTS: Cooperative Wool—From Fleece to Fabric. Wool—Marketing and Manufacture.

SWINE

Breeds of swine. No. 44. Revised January 1940. (BAI; Ext.)
Several types and breeds of swine commonly used in producing market hogs in the United States. Lard and bacon types are compared. (33 frames, $0.60.)

Hog houses and equipment. No. 53. Revised March 1940. (BAI; Ext.)
A-type and box-type houses, loading chutes, feeders, and other equipment and their construction. (30 frames, $0.60.)
Selecting and judging breeding hogs. No. 142. Revised April 1939. (BAI; Ext.)

Certain points are observed in scoring the various parts of the two types of hogs (lard and bacon) raised in this country. (31 frames, $0.60.)


MARKETING

Crops of the Americas. No. 684. Released March 1948. (FAR; Ext.)

Depicts the wide variety of products of South America and Central America that are used in exchange in commerce with the United States. (41 frames: Single, $0.60; double, $1.)

Federal meat inspection. No. 466. Reissued January 1945. (WFA; Ext.)

Contrasts conditions that may exist where Federal meat inspection is not practiced with the methods of Government inspection by following through the work of Federal officials, observing the live animals and after slaughter inspecting carcasses and parts, the stamping and tagging, the cooling and cutting up of carcasses, and the trimming, packing, and shipping. (42 frames, $0.60.)

Marketing of eggs in the United States, The. No. 271. Revised March 1938. (BAE; Ext.)

Eggs are weighed, graded, packed, stored; they are shipped by express, truck, freight; four principal U. S. grades of eggs. (53 frames, $0.65.)


Several kinds of roadside stands made attractive with respect to location, display, signs, and advertising. Charts of data from a number of stands show distribution of a day's sales, of the days of the week, of the months of the year, and of a year. (51 frames, $0.65.)

stock Cooperatively. Meats With Approval. Poultry—
A Billion-Dollar Industry. The Rural Co-op. Wool—
Marketing and Manufacture.

MISCELLANEOUS

America (My country, 'tis of thee). No. 673. 
Released January 1947. (Ext.)
Illustrates one of our Nation's great songs, which is often 
used by 4-H Clubs. (27 frames: $0.60.)

Birds—their value to agriculture. No. 675. Re-
leased June 1947. (Ext.; Fish and Wildlife 
Serv., Dept. Int.)
Depicts life and habits of birds and their economic value 
due to their use of insects as food. Shows means and pro-
vision for protection and emergency feeding. (61 
frames: Single, $0.65; double, $1.25.)

(Ext.)
Part of a teaching kit on circular letters for use by extension 
editors with audiences of extension workers. Designed as 
an introduction to a discussion, or workshop, on circular 
letters, to implant one practical idea—that circular letters, 
like personal letters and radio scripts, are more readable, 
more interesting, and more convincing if they are just plain 
talk. (53 frames, double, $1.25.)

Colonial home industries. No. 517. Released 
April 1939. (U. S. Natl. Mus.; Ext.)
Briefly traces development of the home textile industry and 
éarly home equipment to present-day handicrafts. Some 
patterns designed by homemakers through the years. (60 
frames, $0.65.)

Crop reporting in the United States. No. 687. 
Released September 1950. (BAE; Ext.)
Compilation based on farmer questionnaires on acreage, 
production, livestock, and other farm produce, and cost for 
supplies and labor. Reduction of risk for farmers in buying, 
selling, and handling farm produce. (34 frames: Single, 
$0.60; double, $0.90.)

Crops of the Americas. No. 684. Released 
March 1948. (FAR; Ext.)
See MARKETING, page 19. (41 frames: Single, $0.60; 
double, $1.)
Farm photography. No. 677. Released June 1947. (Ext.)

Based on an exhibit of photographs, "Tricks of the Trade." Illustrates ideas gathered during years of experience in photography. It can be adapted to general photographic work. (28 frames: Single, $0.60; double, $0.90.)


Prepared in celebration of the two hundredth anniversary of the birth of George Washington. Phases of his early life and his home surroundings as a country gentleman. (74 frames, $0.70.)

Historic rural homes. No. 334. Released December 1936. (Ext.)

Farm homes of interest because of their historic and architectural values and their association with leaders in American farming. (48 frames, $0.60.)

Homemaking in colonial days. No. 555. Released April 1939. (Ext.)

Early American home furniture and utensils, with views of early interiors and of modern conveniences. (64 frames, $0.65.)


Prepared in celebration of the two hundredth anniversary of George Washington's birth. Made up of scenes associated with the life of Washington from the time of his birth through youth, Mount Vernon days, the war, and the early years of our democracy. (75 frames, $0.70.)

Production of maple syrup, The. No. 682. Released February 1948. (Ext.)

Shows the value of maple-syrup production in the United States, and something of the process used. (59 frames: Single, $0.65; double, $1.25.)

Rural colonial and early American homes and gardens. No. 331. Released June 1936. (Ext.)

Exteriors and interiors of a variety of American homes of interest because of their historic and architectural values. (63 frames, $0.65.)
Thomas Jefferson, the farmer. No. 653. Released June 1944. (BAE; Ext.)

Jefferson was the first to become interested in many phases of the work now pursued by the United States Department of Agriculture and the land-grant colleges. His enunciation of the principles of the importance of agriculture to the Nation's economy; his deep love of farming; his never-ending search for improved methods, labor-saving implements and machines, and better crops and livestock; his views on agricultural education, experimentation, and cooperative action. (63 frames: Single, $0.65; double, $1.25.)


PLANT DISEASES


Photomicrographs, tables, charts, photographs, readers show causes and effects of the diseases and how they may be controlled. (53 frames, $0.65.)

Larger barley profits through scab and blight control. No. 355. Released May 1935. (Univ. Wis.; PISAE; Ext.)

Importance of the crop and of blight diseases, their effect on various cereals, the life story of causative fungi, the effects on livestock of feeding blighted grain, control practices. (48 frames, $0.60.)


Structure and development of fungi show how fungi cause diseases of various parts of cultivated plants and how they can be controlled. (47 frames, $0.60.)

Treat seed grain. No. 459. Released January 1938. (PISAE; Ext.)

Shows diseases of cereals and how they are spread. Control these diseases by preventive cleaning and treating of seed grain. (56 frames, $0.65.)

RURAL ELECTRIFICATION

Electric power serves the farm. No. REA-2. (REA)

Electricity on the farm at small cost has wide uses, from making possible hot running water and the latest home conveniences to providing a movable motor and other farm labor-saving devices. (50 frames, $0.60.)

New rural school, The. No. REA-5. (REA)

Applied electricity in the rural school brings new interests and qualifies students through practical knowledge of use of tools and equipment to meet conditions in the modern home, the farm, the shop. (41 frames, $0.60.)

Running water for the farm. No. REA-6. (REA)

Water under pressure brings economic and social benefits to farm and home. (44 frames, $0.60.)


SAFETY


Designed to prevent accidents in the farm home and on the farm. Can be used in any of three ways: (1) As a regular slidefilm, (2) as a discussion guide, (3) as a safety quiz. (28 frames, $0.60.)

SOIL CONSERVATION

GENERAL

Establishment and maintenance of grassed waterways. No. 559. Released June 1939. (SCS; Ext.)

Gullies cause destruction. Slope and seed them to serve as waterways. (29 frames, $0.60.)

Farm and the farm woods, The. No. 622. Released January 1942. (SCS; Ext.)
The farm woods are as much a crop-producing unit as any other part of the farm, and with proper care and management yield high-quality products for home use and for sale. (48 frames: Single, $0.60; double, $1.)

Farm to fit your land. No. 676. Released June 1947. (SCS; Ext.)
See FARMING, General, page 6. (62 frames: Single, $0.65; double, $1.25.)

First things first. No. 640. Released January 1943. (SCS; Ext.)
Shows how the grassing of waterways controls erosion. Contouring holds run-off on land of gentle slope; grassed waterways direct it on greater slopes. (25 frames, $0.60.)

Raindrops and erosion. No. 672. Released February 1947. (SCS; Ext.)
Shows results of research relating to damage caused by raindrops beating on soil. Illustrates raindrops as a primary cause of destruction of topsoil. Depicts many of the processes of raindrop action, and discusses their effects in destroying soil fertility, causing flood run-off, and accelerating harmful silt accumulation in streams and reservoirs. (50 frames: Single, $0.60; double, $1.)

Soil and water conservation by the beaver. No. 502. Released October 1938. (SCS; Ext.)
History, habits, and economic relations of the beaver, with particular reference to farm and forest lands. (48 frames, $0.60.)

Soil conservation benefits wildlife. No. 558. Released March 1939. (SCS; Ext.)
Nature reclaims areas saved by soil conservation and so provides cover for game, fish, wildlife. (31 frames, $0.60.)

Soil erosion and its control in orchards. No. 611. Released April 1941. (SCS; Ext.)
Run-off and wind ruin orchards by gullying and by drifting soil. Control such erosion by proved practices and use of brush mulch. (38 frames: Single, $0.60; double, $1.)

Soil erosion in the United States. No. 467. Released October 1937. (SCS; Ext.)
Man-made erosion causes vast losses in land and crops and lowers living standards. (48 frames, $0.60.)

Tree planting and land use. No. 620. Released November 1941. (SCS; Ext.)
Mistakes in land use result in loss of yields and soil. But ruined land may still be made useful with plantings adapted to sites and proper care as they develop. (54 frames: Single, $0.65; double, $1.25.)

Wild fruits for soil conservation. No. 668. Released June 1946. (Ext., SCS)
Shows how some eroded and odd areas of wasteland can be used to produce edible fruits for human nutrition. In such areas family diet lacks the fruits needed for adequate nutrition. But in these areas native or adopted fruits could be produced on waste acreage and serve for both land protection and food. (36 frames: Single, $0.60; double, $1.)

Shows how farmers can increase and protect wildlife by improving their land pattern to provide travel lanes and grow suitable vegetation on wasteland, which when properly planted will provide shelter and food for wildlife. An abundance of songbirds, game, fur-bearing animals, and other types of wildlife makes farms more valuable and farm life more enjoyable. (58 frames: Single, $0.65; double, $1.25.)


REGIONAL

Corn Belt farmers fight erosion. No. 572. Released September 1939. (SCS; Ext.)
They do it by contour farming, terracing, rotation planting, diversion drainage, check dams. (43 frames, $0.60.)

Frontiers of grass; a story of the western range. No. 585. Released December 1939. (AAA; Ext.)
Development and decline of the western range. The range-conservation program helps ranchers to restore and protect grazing and provide watering places. (64 frames, $0.65.)
Irrigation—lifeblood of the West. No. 680. Released December 1947. (SCS; Ext.)

See FARMING, page 7. (56 frames: Single, $0.65; double, $1.25.)

Wildlife management through soil conservation in the Northeast. No. 562. Released July 1939. (SCS; Ext.)

Engineering practices and planting save land and make useless land a refuge and source of feed for wildlife. (50 frames, $0.60.)

Wind erosion; its control on the southern Great Plains. No. 456. Released December 1937. (SCS; Ext.)

Erosion starts in a number of ways and leaves a varied and tragic trail. Prevent and control it by practices that save rainfall and soil. (45 frames, $0.60.)


WILDLIFE

Soil and water conservation by the beaver. No. 502. Released October 1938. (SCS; Ext.)

See SOIL CONSERVATION, General, page 24. (48 frames, $0.60.)

Soil conservation benefits wildlife. No. 558. Released March 1939. (SCS; Ext.)

See SOIL CONSERVATION, General, page 24. (31 frames, $0.60.)


See SOIL CONSERVATION, General, page 25. (58 frames: Single, $0.65; double, $1.25.)

Wildlife management through soil conservation in the northeast. No. 562. Released July 1939. (SCS; Ext.)

See SOIL CONSERVATION, Regional, page 26. (50 frames, $0.60.)

MOTION PICTURES ON RELATED SUBJECTS: A Heritage We Guard. Realm of the Wild.
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>Breeds of swine</td>
<td>18</td>
</tr>
<tr>
<td>53</td>
<td>Hog houses and equipment</td>
<td>2, 18</td>
</tr>
<tr>
<td>104</td>
<td>Farm water supply</td>
<td>2</td>
</tr>
<tr>
<td>126</td>
<td>Selecting hens for egg production</td>
<td>18</td>
</tr>
<tr>
<td>133</td>
<td>Standard breeds of poultry</td>
<td>18</td>
</tr>
<tr>
<td>141</td>
<td>Breeds of sheep</td>
<td>18</td>
</tr>
<tr>
<td>142</td>
<td>Selecting and judging breeding hogs</td>
<td>19</td>
</tr>
<tr>
<td>151</td>
<td>Anatomy of the honeybee, The</td>
<td>14</td>
</tr>
<tr>
<td>165</td>
<td>Nature of plant diseases, The</td>
<td>22</td>
</tr>
<tr>
<td>170</td>
<td>Some methods of estimating milk quality by bacterial tests</td>
<td>3</td>
</tr>
<tr>
<td>171</td>
<td>Diagnosis of bee diseases in the apiary</td>
<td>14</td>
</tr>
<tr>
<td>271</td>
<td>Marketing of eggs in the United States, The</td>
<td>19</td>
</tr>
<tr>
<td>273</td>
<td>Roadside marketing</td>
<td>19</td>
</tr>
<tr>
<td>277</td>
<td>George Washington, the farmer</td>
<td>21</td>
</tr>
<tr>
<td>278</td>
<td>Some principles of breeding demonstrated with the herediscope</td>
<td>3, 17</td>
</tr>
<tr>
<td>299</td>
<td>On the trail of George Washington</td>
<td>21</td>
</tr>
<tr>
<td>314</td>
<td>Cooking meat according to the cut</td>
<td>11</td>
</tr>
<tr>
<td>331</td>
<td>Rural colonial and early American homes and gardens</td>
<td>21</td>
</tr>
<tr>
<td>334</td>
<td>Historic rural homes</td>
<td>21</td>
</tr>
<tr>
<td>335</td>
<td>History and development of agricultural implements and machinery</td>
<td>2</td>
</tr>
<tr>
<td>346</td>
<td>First lessons in beekeeping</td>
<td>14</td>
</tr>
<tr>
<td>354</td>
<td>Bringing an old Wisconsin farmhouse up to date</td>
<td>1</td>
</tr>
<tr>
<td>355</td>
<td>Larger barley profits through scab and blight control</td>
<td>22</td>
</tr>
<tr>
<td>360</td>
<td>Grasshoppers and their control</td>
<td>15</td>
</tr>
<tr>
<td>379</td>
<td>Marketing feeds through dairy cows</td>
<td>3</td>
</tr>
<tr>
<td>393</td>
<td>Farm forestry extension in the United States</td>
<td>4, 9</td>
</tr>
<tr>
<td>399</td>
<td>Insects, their growth and structure</td>
<td>14</td>
</tr>
<tr>
<td>405</td>
<td>Horse bots, and how to fight them</td>
<td>16, 17</td>
</tr>
<tr>
<td>406</td>
<td>Diseases of cabbage and related crops</td>
<td>22</td>
</tr>
<tr>
<td>407</td>
<td>Hessian fly and its control, The</td>
<td>7, 15</td>
</tr>
<tr>
<td>408</td>
<td>Convenient storage spaces, a joy to the farm family</td>
<td>5, 11</td>
</tr>
<tr>
<td>413</td>
<td>National poultry improvement plan, The</td>
<td>17</td>
</tr>
<tr>
<td>429</td>
<td>Production of high-quality cream for butter making</td>
<td>3</td>
</tr>
<tr>
<td>447</td>
<td>Farm forestry in the South</td>
<td>9</td>
</tr>
<tr>
<td>456</td>
<td>Wind erosion; its control on the southern Great Plains</td>
<td>26</td>
</tr>
<tr>
<td>459</td>
<td>Treat seed grain</td>
<td>7, 22</td>
</tr>
<tr>
<td>466</td>
<td>Federal meat inspection</td>
<td>19</td>
</tr>
<tr>
<td>467</td>
<td>Soil erosion in the United States</td>
<td>24</td>
</tr>
<tr>
<td>500</td>
<td>Flower gardens</td>
<td>13</td>
</tr>
<tr>
<td>502</td>
<td>Soil and water conservation by the beaver</td>
<td>24, 26</td>
</tr>
<tr>
<td>503</td>
<td>Insect pests of garden vegetables and their control</td>
<td>13, 15</td>
</tr>
<tr>
<td>506</td>
<td>Forestry and human welfare</td>
<td>9</td>
</tr>
<tr>
<td>No.</td>
<td>Title</td>
<td>Page</td>
</tr>
<tr>
<td>-----</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>507</td>
<td>Famous trees in the United States</td>
<td>8</td>
</tr>
<tr>
<td>512</td>
<td>Conditioning and cleaning seed cotton</td>
<td>1, 7</td>
</tr>
<tr>
<td>513</td>
<td>Gins and ginning</td>
<td>1, 2, 7</td>
</tr>
<tr>
<td>515</td>
<td>Eradicating tuberculosis from livestock and poultry</td>
<td>16, 17</td>
</tr>
<tr>
<td>517</td>
<td>Colonial home industries</td>
<td>20</td>
</tr>
<tr>
<td>551</td>
<td>Chinch bugs and how they are controlled</td>
<td>15</td>
</tr>
<tr>
<td>554</td>
<td>Dairy herd improvement association, The identification and permanent record program</td>
<td>3</td>
</tr>
<tr>
<td>555</td>
<td>Homemaking in colonial days</td>
<td>21</td>
</tr>
<tr>
<td>558</td>
<td>Soil conservation benefits wildlife</td>
<td>24, 26</td>
</tr>
<tr>
<td>559</td>
<td>Establishment and maintenance of grassed waterways</td>
<td>23</td>
</tr>
<tr>
<td>560</td>
<td>Cooking poultry, young birds</td>
<td>11</td>
</tr>
<tr>
<td>561</td>
<td>Cooking poultry, older birds</td>
<td>11</td>
</tr>
<tr>
<td>562</td>
<td>Wildlife management through soil conservation in the Northeast</td>
<td>26</td>
</tr>
<tr>
<td>572</td>
<td>Corn Belt farmers fight erosion</td>
<td>25</td>
</tr>
<tr>
<td>573</td>
<td>Trichinosis, a disease easily prevented</td>
<td>16</td>
</tr>
<tr>
<td>585</td>
<td>Frontiers of grass, a story of the western range</td>
<td>8, 25</td>
</tr>
<tr>
<td>586</td>
<td>Frozen-food lockers and your food supply</td>
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<td>Planning our family life</td>
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<td>Community forests, a local asset</td>
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<td>Soil erosion and its control in orchards</td>
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<td>Transferring bees to movable-frame hives</td>
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<td>Tree planting and land use</td>
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<td>Farm and the farm woods, The</td>
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<td>Feeding and care of the dairy calf</td>
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<td>Cattle grubs, or heel flies</td>
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<td>First things first</td>
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<td>New gardener, The</td>
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<td>Prevent farm fires</td>
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<td>Step by step in everyday tasks</td>
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<td>Use of logs in farm buildings, The</td>
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<td>Simple way to iron a shirt, A</td>
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<td>Learning about farm jobs from pictures</td>
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<td>653</td>
<td>Thomas Jefferson, the farmer</td>
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<td>654</td>
<td>County agent, The</td>
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<td>Home-grown plants for transplanting</td>
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<td>Back-yard vegetable garden, A</td>
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