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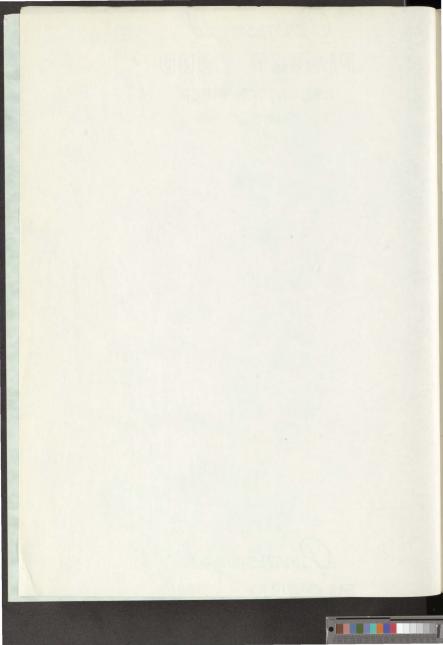


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THE PERCY GIESE FARM: A STUDY OF AN HISTORIC LANDSCAPE

by

CHRISTOPHER C. FLAGG

A THESIS

June 1985

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An Abstract of the Thesis of

Christopher C. Flagg

for the degree of Master of Science

in the Interdisciplinary Studies Program: Historic Preservation

to be taken June 1985

Title: THE PERCY GIESE FARM: A STUDY OF AN HISTORIC LANDSCAPE

Places that evince distinguishing characteristics of an earlier period, or are associated with significant human activities, merit recognition and protection as historic or cultural landscapes. This study identifies the Percy Giese Farm as a historic landscape worthy of preservation.

This claim is established by identifying the relationship between the farm's operation as a filbert orchard and the development of filbert cultivation as a regionally unique agricultural industry. The National Park Service's criteria for evaluating historic and cultural landscapes are utilized to determine the significance and integrity of the Giese Farm. Since one of the purposes of identifying historic and cultural resources is to protect them for future generations, a proposal for the farm's future management is an essential part of this study.

This study was undertaken to assist the owners of the Giese Farm and the Gresham Historical Society in making informed decisions regarding the farm's future use and disposition.

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CHAPTER ONE

INTRODUCTION

It has often been noted that the history of a place is recorded in the landscape. People create places to accommodate their particular needs and interests, although physical and socioeconomic conditions influence the kinds of activities that are pursued in any one place at any one time. When a place retains the characteristics of an earlier period, enduring as a significant remnant of our heritage, it merits special recognition and protection as a historic or cultural landscape. This study identifies the Percy Giese Farm as a significant historic landscape worthy of preservation.

The basis of the farm's historical significance is twofold. The Giese Farm comprises a pioneer filbert orchard, planted between 1906 and 1910, which is associated with the founding of a regionally unique agricultural industry. The farm also exists as a remnant of the local community's agricultural heritage; as such, it satisfies an important human psychological need for environments which provide visual linkages with our past.

In order to fully comprehend the significance of the Giese Farm, it is necessary to understand the context in which it developed. Thus in Chapter Two the geographic limits of filbert cultivation are defined,

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as well as the various conditions and circumstances which prompted an interest in cultivating filberts (also known as hazelnuts) specifically within the Willamette Valley, Oregon (Figure 1.1). The physical characteristics of the region's early commercial filbert orchards are also identified in order to provide a basis for comparison with the Giese Farm.

In addition to determining the farm's historical significance, it is also necessary to evaluate its historical integrity. Thus, in Chapter Three the history of the farm's physical development is outlined; the purpose of this is to identify the manner and extent of the changes that have occurred to the farm's material components. The integrity of the Giese Farm can then be evaluated on the basis of known conditions and comparitive examples. Although the retention of significant components and features is important, the character of the farm as a whole is of greater importance with regard to evaluating the integrity of historic landscapes. ²

Change is an inevitable factor in any landscape. Plants grow, change shape and die; pathways become worn or overgrown depending upon the frequency of their use. Change, per se, is not necessarily damaging to a historic landscape; what is damaging, however, is change which substantially alters the visual character or significant features of a historic landscape.

The inevitability of change must be recognized when evaluating the integrity of historic landscapes as well as during the process of developing a plan for the site's future management. Thus, in Chapter as well as the various continues and circumstances which prespice an inverses in continuents filteria (size inners as baselous) specifically within the Willemette Valley, Oragon (Rigara I.1). The physical characteristics of the regime's early consected filters probable are also identified to order to provide a mean for comparison with the class Kara.

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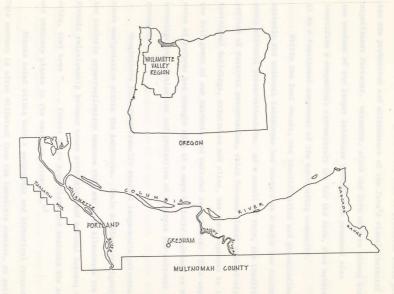


Figure 1.1: Location of the Willamette Valley, Oregon, and the Percy Giese Farm



Four a proposal for managing the Giese Farm is presented which provides for the protection and maintenance of the farm's visual character and significant features. Moreover, since the farm must be viewed within the context of the larger landscape system, this proposal also identifies a compatible contemporary use for the farm, thus maintaining it as a functional component of the surrounding community.

Within the last decade, the identification and preservation of historic and cultural landscapes has emerged as a major new concern among historic preservationists. As a result of this, the traditional purview of historic preservation, which focused almost exclusively on individual buildings, structures and sites, has been expanded to include the full gamut of our historic and cultural inheritance. This expanded sense of purpose has brought with it a more holistic approach to the investigation, evaluation and protection of historic and cultural resources.

Geographers have traditionally studied large-scale patterns of numan manipulation within the landscape. Their studies are significant ror historic preservationists because they serve to illustrate the dynamic relationship between human activities and natural forces; in so doing, they have "... forced us to appreciate and evaluate the common and ordinary places in the American landscape."

Places exist within both a geographic and historical context.

This context is often different from the immediate context, or setting, in which a place is readily perceived. While the area immediately surrounding a historic site provides a setting wherein physical changes

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can be perceived, this context often does not provide an understanding as to the complex web of factors -- political, social, economic or aesthetic -- which may influence a site's development. These factors must be identified through historical research.

This is especially true in the case of the Giese Farm. Although its immediate context serves to define the farm as a remnant of the community's agricultural heritage, the farm's association with the beginnings of commercial filbert cultivation in the Willamette Valley requires a broader contextual understanding. Thus, one of the first steps in defining the significance of a particular place is to define the full context wherein it developed.

This study has greatly benefited from the work done by a number of professionals within the fields of geography, architecture, history, landscape architecture and planning. Their studies have contributed to this project in generally one of either two areas: studies directed toward revealing the dialectics of landscapes, the myraid of forces that have helped to shape landscapes and how these can be understood and investigated, and studies directed toward examining the issues of landscape preservation, the inherent differences between landscape preservation and building preservation as well as the different tools and approaches necessary to manage and protect a site's material components. Studies outlining methodologies for evaluating the significance and integrity of historic landscapes unite these two concerns of identification and preservation.

This study has one additional purpose beyond that of identifying

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the significance of the Giese Farm as a historic landscape. It is that by examining the Giese Farm as a place, as one piece of a larger landscape upon which human activities and events are recorded, I hope to dispel the myth that historic preservation is exclusively concerned with the safekeeping of precious objects and that the only way to preserve something is to package it up and put it in a museum. As stewards of the past we have a duty to protect all of our historic, cultural and natural inheritance; if all we do is moderate our own impact upon the physical environment, we will have made a considerable step in this direction.

Notes

lAccording to D.W. Meinig, the early writing of J.B. Jackson and W.G. Hoskins sparked widespread interest in landscape studies within the United States and England. It seems to me that the writing of Frederick Jackson Turner and Carl O. Sauer should also be a part of this list, for both have looked at landscapes and people as inseperable. See D.W. Meinig, "Reading the Landscape: An Appreciation of W.G. Hoskins and J.B. Jackson" in The Interpretation of Ordinary Landscapes, D.W. Meinig, ed. (New York: Oxford University Press, 1979), pp. 195-244.

²See Robert Z. Melnick, "Protecting the Rural Cultural Landscape: Finding Value in the Countryside" in <u>Landscape Journal</u>, no. 2 (1983), p. 92.

3 Ibid., p. 86.

4Foremost among these are: John Fraser Hart, The Look of the Land (Englewood Cliffs, New Jersey: Prentice-Hall, 1975); Catherine M. Howett, "Landscape Research: Keeping Faith With Today and Tomarrow" in Howett, "Landscape Research: Reeping ratio with loady and lowest The Yearbook of Landscape Architecture: Historic Preservation (New York: Van Nostrand Reinhold, 1983); John Brinckerhoff Jackson, "The Historic American Landscape" in Landscape and Assessment: Values, Perceptions and Resources, Erin Zube, et. al., ed. (Stroudsburg, A. R. Reinhold) Pennsylvannia: Dowden, Hutchinson and Ross, 1975), pp. 4-9; Peirce F. Lewis, "The Future of the Past: Our Clouded Vision of Historic Preservation" in Pioneer America 7 (July 1975): 1-20; David Lowenthal, "Past Time, Present Place: Landscape and Memory" in The Geographical Review 65 (January 1975): 1-36; Kevin Lynch, What Time is this Place? (Cambridge: MIT Press, 1972); Meinig, The Interpretation of Ordinary Landscapes; Melnick, "Protecting the Rural Cultural Landscape", pp. 85-97; Idem., "Preserving Cultural and Historic Landscapes: Developing Standards" in CRM Bulletin 3 (March 1980): 1-2, 6-7; Preservation League of New York State, Farmsteads and Marketowns: A Handbook for Preserving the Cultural Landscape (Albany, New York: By the Author, 1982); John Stilgoe, Common Landscape of America: 1580-1845 (New Haven: Yale University Press, 1982); William J. Toner, Saving Farms and Farmland: A Community Guide, Planning Advisory Service Report Number 333 (Chicago: American Society of Planning Officials, 1978); Yi-Fu Tuan, Topophilia: A Study of Environmental Perception, Attitudes, and Values (Englewood Cliffs, New Jersey: Prentice-Hall, 1974); U.S. Department of the Interior, Cultural Landscapes: Rural Historic Districts in the National Park System (Washington, D.C.: Government Printing Office, 1984); David Ward, ed. Geographic Perspectives on America's Past (New York: Oxford University Press, 1979); and May Thielgaard Watts, Reading the Landscape of America (New York: Macmillian, 1975).

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CHAPTER TWO

THE CULTIVATION OF FILBERTS

Filberts, which are also known as hazels or hazelnuts, are nut-bearing shrubs or trees of the genus Corylus. The natural condition of most filberts is that of a multi-stemmed, medium-sized shrub. The Turkish and Chinese filberts (C. colurna and C. chinensis, respectively) are two exceptions to this rule; they develop naturally as trees (e.g., having a single trunk), often obtaining heights of up to seventy-five feet. Both are generally referred to as tree hazels, in part because tney do not produce suckers. Within commercial filbert orchards in the United States, filberts are maintained as low-headed trees (Figure 2.1).

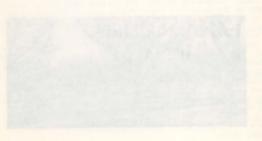


Figure 2.1: Filbert Orchard at Gresham, Oregon

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Plants 2.1; Filters Orchard at Greeken, Oregon

The purpose of this chapter is to provide the reader with an understanding of the extensiveness of the filbert's history and use world-wide, as well as to explain the particularities of the filbert's cultivation in the Pacific Northwest. Such an understanding is necessary in order to comprehend the full significance of the Percy Giese Farm.

Historical Overview

The terms "filbert" and "hazel", or "hazelnut", are frequently used interchangeably. Historically, however, these terms did signify a difference. One common, and somewhat persistent, usage served to differentiate between the cultivated and wild forms; in this sense, the filbert constituted the cultivated, or improved, variety of the wild nazel. A second basis for distinction derives from the shape and appearance of the husk containing the nut; in general, nuts with long husks were called filberts while nuts with short husks were called hazels (Figure 2.2).

The etymology of "filbert" and "hazel" provides additional insights into their meaning and origin. There are two versions



Figure 2.2: A Filbert Nut

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weepings one are along "grant, and "grant, bandous supplementations, and additional



Ngure 2,2: A Pilbert But

pertaining to the origin of the word filbert. The most common version attributes it to the French "noix de filbert" (nut of Philibert); which was named in honor of St. Philibert, whose feast day (August 22nd) corresponds roughly with the nut's ripening. The second version claims that the word "filbert" is a corruption of the Old English "filberd", meaning full-beard and supposedly referring to the nut's long husk.

The origin of the word "hazel" is commonly attributed to the Old English "haesel", meaning hood or bonnet and alluding to those nuts having short husks. The horticultural scientists Reed and Davidson, however, traced the Old English word "haesel" to the German verb "heissen", which means "to give orders" and alludes to the magical powers that the hazel was thought to possess. 2

These interpretations, in conjunction with the filbert's numerous place names (such as Pontic nut, Lombardy nut and Spanish nut), reveal the filbert's extensive history and geographic diffusion. It is a history that is celebrated in prose and folklore as well. Virgil, writing of the filbert, contended that it was exalted more "than the vine, the myrtle, or even the bay." John Evelyn, author of Sylva, also wrote of the hazel and noted that:

. . . the forked-stick (so cut and skillfully held) becomes impregnated with those invisible steams and exhaltations; as . . . to discover not only mines, and subterraneous treasure, and springs of water, but criminals, guilty of murther [sic], . . . 4

The history of the filbert and its counterpart, the hazel, is both colorful and complex. Although the history of the filbert in the Pacific Northwest is concerned primarily with its breeding and cultivation for commerce, this constitutes only one aspect of its

pertaining to the origin of the word libert. The nour common varied attributes it to the libert's (not of the libert's word was needed to be the libert's which have a needed roughly with the series of the libert's repeated. The series variety claims that the word "filtert" is a series of the the deglish "libert", who expressly referring to the unit's less home.

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Major Producers of Filberts in the World

There are only a few, relatively small, regions throughout the world that cultivate filberts commercially. This condition exists even in spite of the fact that over ten species are indigenous throughout a large part of the northern hemisphere.

One important characteristic shared among those regions which produce filberts commercially is that they have a mild, maritime climate. Turkey is the world's largest producer of filberts, accounting for about sixty percent of the world's total crop. The industry is concentrated in the districts of Giresun and Trabzon, both located along the shore of the Black Sea. Italy and Spain constitute the second and third largest producers of filberts; in both of these countries the Mediterranian Sea influences and moderates the climate. In the United States, the world's fourth largest producer, ninety-five percent of the crop is grown in the Willamette Valley, Oregon. The Pacific Ocean, in conjunction with the Coast and Cascade mountains, helps to create a maritime climate within the Willamette Valley.

Among the world's four major producers of filberts, the United States is the only country in which a commercially viable species is not indigenous. It is not suprising, therefore, to note that the filbert breeding program in the United States is also the most advanced. Much

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Major Producers of Dilierry in the North

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of the early history of filbert cultivation in the United States concerns the testing and development of various species and varieties which could compare favorably with the European producers. As will be seen in the following chapter, Percy Giese was instrumental in helping to develop varieties of the European filbert which were particularly well adapted to conditions in the Willamette Valley.

Although there are over ten species of filberts, the commercial development of the filbert nut has focused upon only two species: namely the European filbert and the giant filbert (C. avellana and C. maxima, respectively). The great extent of the European filbert's indigenous range, which encompasses most of Europe and southwest Asia, and the readiness with which these two species cross may account for their predominance over other species. Certainly the European emigrant's familiarity with the European filbert helped to perpetuate its predominance. It follows, therefore, that the development of the filbert industry in the United States is based upon the successful introduction of the European filbert. Its introduction, however, was complicated by the presence of an infectious blight throughout a large part of the continental United States.

The Beginnings of Filbert Cultivation in the Pacific Northwest

Several varieties of the European filbert were introduced to the eastern United States during the first half of the 19th century; however, nearly all of these plantings succumbed within seven or eight years. 8 These persistent failures led to the notion that the European

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filbert could not be cultivated successfully in America; it was a notion that persisted throughout the latter half of the 19th century.

The lack of success in cultivating the European filbert in

America was generally attributed to the harsh winter climate that

prevails over much of the northeastern states. Since filberts bloom

during winter, severely cold temperatures can adversely affect

pollination and cause poor, or even non-existent yields; however, cold

temperatures have rarely caused the death of the plant itself.

A.S. Fuller, author of <u>The Nut Culturist</u> (1896), was among the first to recognize the eastern filbert blight as the cause of the European filbert's demise in the eastern U.S.. Fuller observed that this blight always occurred in association with the American filbert, a species indigenous to a large part of North America. He concluded correctly that the American filbert served as the blight's host.

Fuller's report included a reference to the Pacific Northwest, whereby he reported:

So far as my observation extends, I have never found it [the eastern filbert blight] attacking the native beaked hazel (Corylus Rostrata), and my correspondents in the Northwest and Pacific States assure me that no blight has, as yet, been found there, and its absence is probably due to the fact that the common hazel (Corylus Americana) is not an inhabitant of these regions. 10

In 1894, A.A. Quarnberg of Vancouver, Washington, began to experiment with cultivating filberts. Quarnberg has been credited with planting the first filbert orchard in the Pacific Northwest; he also has been acknowledged as among the first to recognize the need for cross-pollination among filberts. 11 Much of his work in cultivating

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and breeding filberts was directed toward identifying which varietal combinations would produce the biggest yields and the best quality nuts.

Quaraberg obtained his seedling filbert trees from Felix Gillet, a French barber who came to California during the Gold Rush and in 1871 established the Barren Hill Nursery at Nevada City, California. Among Gillet's first shipment of nursery stock, which came from France, was a variety of the European filbert called Piedmont. Gillet introduced several more varieties of the European filbert during the last quarter of the 19th century. Among the more significant varieties that Gillet introduced are the Barcelona (1885), DuChilly (1887) and Daviana (1888). The Barcelona, with DuChilly and Daviana as pollenizers, have become the standard varietal combinations planted in commercial filbert orchards throughout the Willamette Valley.

Experiments in breeding and cultivating filberts continued throughout the first quarter of the 20th century; however, many of these were conducted by amateurs. Beginning in 1920, C.E. Schuster, a horticulturist with the State's Agricultural Experiment Station, initiated a series of scientific studies concerning filberts. In the first study of this series, conducted between 1920 and 1924, Schuster examined the conditions of and practices used in existing filbert orcnards; in a few orchards, notably those of A.A. Quarnberg (Vancouver, Washington), George A. Dorris (Springfield, Oregon) and Percy Giese (Gresham, Oregon), Schuster evaluated the performance of several different varieties of filberts for use as pollenizers as well as for the main planting. 13 The results of this study, which was published

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in 1924, provided the practical basis for the filbert industry's development in the Pacific Northwest.

By the late 1920s, the number of filbert trees being planted in the Willamette Valley was increasing rapidly. 14 The basis of the filbert's appeal among orchardists in the Valley is clearly expressed in this excerpt from an article published in the Seventeenth Biennial Report of the State Board of Horticulture (1923):

Why plant filberts? Because they are the safest investment in the tree line; because the area of successful growing is limited to the northwest territory of the United States; because the market is unlimited, the people of this country only tasting the filberts; because practically all the filberts used in this country are imported, which amounts to about one pound to every five persons. 15

The planting of orchards has been an important component of the history of agriculture in the Willamette Valley. Some of the earliest orchards were planted by former employees of the Hudsons' Bay Company; however, the first extensive planting of orchards in the Willamette Valley occurred in conjunction with the California Gold Rush. According to U.P. Hedrick, author of A History of Horticulture in America to 1860, "... more attention was being paid to fruit growing in Oregon than in any other state in the Union."

This boom was relatively short-lived, however, as by 1865 fruit growers in California had developed a substantial industry which operated in direct competition with fruit growers in Oregon. As a result of this, the business of growing fruit in Oregon generally declined during the 1860s and 70s. This trend was reversed during the 1880s, following the construction of an extensive network of railroads in the West. These railroads were instrumental in opening up new

in 1924, provided the proclinal coals for the (illert lodustry's development in the bucklic burnings.

by the lare 1930s, the number of fither: trees raing planted to a the Williamster Delias was forcusing rapidly. The means of the fithers's appeal among orchardiers in the Valley is clearly supressed in this accessed from on article published to the Securementh Maradal Raport of the State South of Dericklines (1923):

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This boom was relatively anorthived, however, as by 1865 fruit growers in Galifornia nes developed a substantial industry which operated in direct competition with fruit growers in fragon. As a result of tale, the besiness of growing truit to dragon generally declined doring the 1800s and four. This trust was reversed doring the 1880s, following the questruction of an extensive network of reliferate in the west reliferate to the test opening up say

markets for Oregon's fruit grower's. 17

During the period from about 1890 to 1940, dramatic shifts occurred in the number and kinds of fruit and nut trees grown in the Willamette Valley (see tables in Appendix A). Numerous, exaggerated claims of large profits garnered from the sale of orchard products created a speculative rush in the planting of the more popular fruit and nut trees. Many of these speculative ventures were founded on poor soils or without a sufficient understanding of the amount of time or skills necessary to maintain them in good condition. As a result, numerous failures occurred owing to a lack of experience as well as misinformation acquired from unschooled enthusiasts. 18

The explosive interest in planting filberts, which occurred during the 1930s and 40s, was influenced in part by previous booms involving other fruits, notably apples, plums and prunes. Competition among fruit growers in the western states (primarily Washington, Oregon and California) was fierce throughout the late 19th and early 20th centuries. It was not unusual for an orchardist to replace the trees in his orchard for those of an entirely different kind whenever they ceased to be profitable.

Speculative booms created havoc in the marketplace by producing quantities that exceeded demand and thereby reduced profits. Regional differences in harvest times also affected the price that an orchardist could receive for his crop. Some of the advantages that filberts have over other fruit and nut trees are the limited extent to which they are successfully grown, their exceptional hardiness and relative freedom

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During the ported from about 100 to 1100, dramatic colling occurred to two member and tinds of front and our resus grains in the Willacette Veiley (see tables to Appendix A). Dissected stagestered claims of large product from the sale of orchard graduate crafted a specularity rest to the planting of the more popular fruit and out from . Hery of these specularity vectors; were founded on poor moths or without a sufficient contesting of the amount of these action of all the accessary to animate them is pero condition. As a result, observed of the amount of the accessary to animate them as an account of accessarians as well as attainformatics acquired from anothering extransaria. 18

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from injurious pests or diseases, at least within the Willamette
Valley. Filbert imports also had increased, from less than 8 million
pounds in 1905 to over 20 million pounds in 1924 (see graph in Appendix
A); the demand for filberts, therefore, was considered to be virtually
inexhaustable.

The achievements made in breeding and cultivating filberts during the first quarter of the 20th century permitted the industry's rapid development during the succeeding quarter century, and its distinction as a regionally unique horticultural crop secured its future. By 1926 development of the filbert industry in the Willamette Valley had achieved sufficient success to prompt George A. Dorris into proclaiming before a meeting of the Western Nut Growers Association:

The value of these small early groves can never be estimated by their size. . . . These old trees are valuable also because they were not only the forerunners of what is destined to be one of Oregon's foremost norticultural resources, but they are the forebears of the hundreds of acres now planted and will be the forebears of thousands of acres yet to come. No matter now many filbert trees Oregon may plant in the future, the geneology [sic] of the vast majority of them may be traced to these few little old pioneer groves. 19

$\frac{\text{Characteristics of Early Filbert Orchards}}{\text{in the Willamette Valley}}$

The methods commonly used to establish and maintain a filbert orchard in the Willamette Valley remained relatively constant from about the late 1920s through the 1940s. These methods, or practices, were derived from the experiences of both amateurs and professionals who experimented with cultivating filberts during the first quarter of the century. After the 1940s, however, socioeconomic factors began to

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impact and modify these practices.

Two of the most influential factors, in terms of their effect upon the physical characteristics of filbert orchards in the Willamette Valley, were substantial increases in the costs of both real estate and labor. Filbert orchards were, and to a certain extent still are, labor intensive. Because of this, most orchardists kept relatively small orchards, ranging in size from three to six acres. (The size of Percy Giese's filbert orchard was approximately three acres.) Increases in the costs of real estate and labor, however, have required greater efficiency in the use of both. As a result, filberts are being planted closer together and operations are becoming more mechanized. The mechanization of filbert orchards has enabled, and in fact demanded, the planting of larger acreages; filbert orchards now average almost eighteen acres in size. ²⁰

Other less visibly apparent changes have occurred throughout the history of the filbert industry in the Willamette Valley. The establishment of marketing co-operatives has eliminated the need for sorting and drying nuts at each farm. Similarly, some of the less frequently used machines are owned by a co-operative, which maintains them and makes them available to the membership. One result of the establishment of these co-operatives has been a reduction in the number, size and type of accessory structures that accompany a filbert orchard.

In the following three sections, the practice of establishing,
maintaining and harvesting a filbert orchard is outlined. The practices
described are those advanced by some of the leading authorities on

impact and modify these practices,

Two of the seet inflowants foctors, to term of their effect upon the physical characteristics of fillpert occurrie to the villateits valley, were substantial increases in the coats of both real earsts and labor. Fildert occhards were, and to a certain extent will aim, labor increasive. Ferause of toda, soat orchardists kept relatively small occapied, ranging in also from these to six acres. (The site of fercy occapied fillpert occapied on approximately three octas). Increases in the costs of real exists and labor, however, news required greatest efficiency in the was of both. As a repolt, library are being placed closer together and operations are securing some sechenlastics of library occapies, and in fact demanded, the planting of larger acresses; filters orchards now average almost algories extent a size. To

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cultivating filberts during the 1920s and 30s; ²¹ contemporary practices are also noted when they differ substantially from those advocated previously.

Establishing a Filbert Orchard

One of the very first considerations undertaken in establishing a filbert orchard is to select an appropriate site. Since filberts are relatively hardy plants, they may be planted in areas that are susceptible to frosts. In fact, the qualities of the soil are usually a greater determinant than the site's microclimate, at least within the Willamette Valley.

Filberts thrive best in relatively moist, loamy soils. In the Willamette Valley, however, there are distinct rainy and dry seasons which can cause some soils to become alternately supersaturated or parched. Areas with clayish soils, which drain poorly and harden upon drying, are therefore unsuitable for cultivating filberts. Subterranean drainage tiles and irrigation systems have been used to improve sites that would otherwise be unsuitable; however, these systems are expensive and would be avoided whenever possible.

Filbert orchards in the Willamette Valley, therefore, are frequently sited on gently sloping hillsides or on bottom land. The wild hazel was considered to be a good indicator of a site's adaptability to cultivating filberts; however, C.E. Schuster noted that the wild hazel could survive under conditions less favorable than those required for filberts. He thus cautioned others to plant filberts only

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where the nazel ". . . grows very large and very vigorously."²² Percy Giese located his orchard upon a knoll within an area where the wild nazel was the predominant underbrush.

Following a site's selection and preparation (such as removing brusn and stumps and tilling the soil), the location of each tree is laid out. Figure 2.3 illustrates two common means of laying out an orchard. Both systems appear to have been equally popular; the merits of the square system was founded in its simplicity, while the merits of the triangular system (also referred to as the quincunical system) was founded in the greater amount of space allotted per tree.

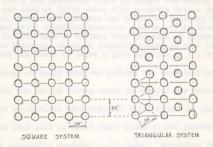


Figure 2.3: Two Methods of Laying-out an Orchard

The recommended distances for planting filberts has varied from twelve feet to over thirty feet. Schuster reported that some of the region's earliest plantings were set between twelve and fifteen feet

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apart but that this distance had proved to be too close. Instead, he recommended that filberts be planted between twenty and twenty-four feet apart.

What was actually at issue here, however, was how to accomodate the tree's eventually great size. (It appears that filbert growers attempted encouraged the development of large filbert trees in order to reinforce their belief in the plant's viability. Moreover, large trees with lush growth were construed as evidence of the grower's skill as a horticulturist.) This relationship between the tree's size and spatial requirements was expressly stated by George A. Dorris in an address given before the Western Nut Grower's Association.

As there are a few Barcelona trees in Oregon now having a spread of thirty feet and that at fifty years will probably have a spread of forty to fifty feet, the proper distance and method of planting is a most perplexing and still unsettled question. As we are in doubt we make no suggestions further than to confess that the plan of closer planting with ultimate thinning, which we formerly looked on with little favor, may be, if not the best, at least a good solution of the problem.²³

Thus, the amount of space that was alloted for each tree can be used to help determine the period during which an orchard was developed.

Modern orchardists have overcome this problem by planting dwarfed trees and are thus able to plant their trees closer together without any fear of them eventually becoming overcrowded. According to Lagerstedt, densities of almost two hundred trees per acre can be achieved; the maximum density that can be achieved with the trees planted twenty feet apart is one hundred twenty-five trees per acre using the square system or one hundred eight trees per acre using the triangular system.

Another concern relative to establishing a filbert orchard

apart but that this clatence had proved to be too close, Instead, but recommended that fillerts be planted belower twenty and twenty-four feet apart....

Whet was accountly at lease here, however, was how to accomodate the trac's eventually great size. (It appears that fillert growers accounted excepted excepted the development of large fillert trace to order to reinforce tooir belief to the plant's vishfilty. Noteower, large trees with last provin were countraid as evidence of the provent's shift as a norticulturist.) This relationship between the tree's size and apartial requirements was supressly stated by George A. Borris in an address given before the Western Survictorer's Association.

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involves the selection of appropriate cultivars, or varieties. (While the European filbert is the only <u>species</u> used in commercial orchards within the U. S., there are nevertheless several different <u>cultivars</u> to choose from.) Since filberts are generally self-sterile, a few trees acting as pollenizers must be scattered throughout the orchard.

According to Schuster, about one tree in nine should be a pollenizer.

The cultivar Barcelona continues to be the predominant variety used as the main planting in commercial filbert orchards within the Willamette Valley. Both DuChilly and Daviana are effective pollenizers for the Barcelona; according to Schuster, White Aveline and Nottingham are also effective pollenizers. Pollenizers were also planted for those trees which functioned as pollenizers as a way of improving the yields of all the trees in the orchard. The pollenizers recommended for DuChilly were Daviana, Alpha, Clackamas and Chaperone; since Daviana serves as a pollenizer for both Barcelona and DuChilly (a pollenizer for Barcelona), it is not suprising to note that these were also the three most common varieties planted.

Regardless of the combinations chosen, Schuster and others strongly recommended that all trees be purchased from a reputable nurseryman who could prove, through his own orchard and those that he nad supplied with nursery stock, the successfulness of his own particular cultivars and combinations. Percy Giese's fame as a nurseryman as well as the successfulness of those orchards which were planted with stock from his nursery (which are identified in the following chapter) is evidence that Schuster's advice was taken quite

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Maintaining a Filbert Orchard

Filberts require about the same amount of care as that required of other fruit or nut trees. Primarily, this involves pruning the trees regularly and periodically cultivating and fertilizing the soil. In addition, various pesticides are commonly used; however, as these pertain more to a discussion on plant pathology than on the outward characteristics of a filbert orchard, they are not considered herein. This discussion serves to define those practices that are necessary to maintain a filbert orchard as well as those which are historically appropriate.

Regular and judicious pruning is the single most important activity with regard to maintaining a filbert orchard. Pruning filberts, however, is a twofold concern; it involves removing the suckers which develop about the trunk as well as selectively cutting limbs and shoots. While these two activities are similar in execution, their underlying purposes are significantly different.

Most species of filberts produce suckers as part of the plant's natural, regenerative process. Filberts growing under wild conditions often have massive stools, sometimes measuring four to five feet in circumference. When planted in orchards however, the filbert's propensity to sucker becomes a perennial and annoying problem.

Nevertheless, if the suckers are not removed, the plant will develop into a large, shrubby mass which, like its wild counterpart, bears only

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Mevertheless, if the suckers are not removed, the plant will develop ;
into a large, shrubby mass which, like its wild counterpure, bears only

a few nuts of inferior quality.

Throughout the 1920s and 30s, numerous claims were made purporting the discovery or development of a sucker-less tree. Almost all of these, however, were false claims. There is one notable exception to this, whereby a truly sucker-less tree was developed by grafting a European filbert onto the stock of a Turkish tree hazel. This combination did not prove to be profitable however; the grafted scion sometimes acquired the characteristics of the rootstock (thereby adversely affecting both the quality and the quantity of nuts harvested), and the productive lifespan of the tree was reduced by one-half or more. Another common complaint was that if the scion were damaged what would develop in its place was worthless.

Filbert growers were quick to recognize the potential for using these suckers to their advantage. These suckers are easily rooted by layering and, since they are essentially part of the parent plant, they share its same physical characteristics. Moreover, since filbert nursery stock was scarce during the first two decades of the century, propagating suckers was a good way of increasing one's own orchard while also creating a second source of income through sales to prospective growers.

Several different techniques were used to propagate new plants from the suckers. Some of the more notable techniques include grafting, continuous layering and layering by the tip method. The major difference between the latter two methods is that several plants could be propagated through continuous layering, while only one plant would be

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Introughnor than 1920s and 10s, operation claims were made purporting the discovery or development of a social-less true. Also all of these, however, once false claims. There is use notable exception to this, wheteby a truly social-less true was developed by grafting a furcion for this continue the second of the forest once the second of a furcion true hand. This continues to the grows to be profitable however; now grafted ententials according to the continues (thereby actorized the characteristics of the restricted (thereby adverted), and the productive lifesymm of the quantity of more necessarily of the productive lifesymm of the tree was reduced by described or note. Another common complaint one that if the enten were described what would develop in its place was worthings.

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propagated using the tip method. Ironically, the tip method was supposed to produce a tree that would in turn produce few, if any, suckers.

In addition to propagating new trees, the suckers could be used to revitalize old or damaged trees. This is accomplished in a manner similar to that practiced in shaping young trees, whereby one or more suckers are permitted to develop into the tree's major branches. It is also possible to graft a sucker onto a damaged limb. Filbert trees have been kept in a productive state for over one-hundred years through these methods.

Regular and judicious pruning also serves to shape the tree and maintain its vigor. In the Willamette Valley, it was common practice to top young trees once they reached a height of between twenty-four and thirty inches. Of the total number of suckers that would develop at this point, typically two or three would be permitted to develop into the tree's major branches. In England these branches would be tied to a hoop in order to create a bowl, or basin, shaped head; ²⁴ in the Willamette Valley, however, the branches were permitted to develop naturally (e.g., more vertically) and thus developed with denser, ball-shaped heads. Annual pruning was directed at removing old limbs and encouraging new growth, as the best quality and greatest quantity of nuts are borne on one-year-old limbs.

The reason commonly given for branching the trees at thirty inches, ratner than closer to the ground, was that it made cultivating easier. Modern orchardists are abandoning the practice of cultivating

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The reason commonly given for branching the trees at thirty lockes, takes toon closes to the ground, was that it made cultivating lockers orchardists are abandoning the practice of cultivating



orchards however, and instead are opting for a relatively
maintenance-free surface consisting of sod. Because of this, the
rationale for higher branched trees has been eliminated and the practice
may become obsolete.

The primary reason for cultivating the soil was to enrich it and enhance its ability to retain moisture. Schuster recommended that grasses be sown as cover crops after the harvest; this served a twofold benefit in that it helped to prevent erosion and, when plowed into the soil, substantially increased the amount of humus in the soil.

After plowing this cover crop into the soil in the spring, the orchard would be cultivated about every two weeks until shortly before harvest time (about mid September). Since the filbert's roots are near the ground's surface, it is important not to cultivate the soil too deeply. A tandem disc or spring-tooth harrow, with the blades set to a depth of from six to eight inches, were commonly used to plow the orchard and a weighted roller to smooth out the surface.

Harvesting Filberts

In the Willamette Valley, filberts are harvested from the ground, either by hand or mechanically. Mechanical harvesting is slowly replacing the more time consuming and labor intensive practices of harvesting by hand, with different practices evolving as a result.

Both methods require some sort of preparation of the orchard's grounds. The specific procedures also differ depending upon whether the grounds are cultivated or maintained as sod. Meticulous grooming is

exchards however, and tourest are opting for a relatively
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especially important among those orchards which are both cultivated and harvested by nand. Such grooming usually consists of a more extensive and refined cleansing and smoothing out of the orchard's grounds than is generally practiced at other times. Orchards which are not cultivated, whose grounds consist of sod, are flailed mechanically (Figure 2.4).

Mechanical means of gathering have also replaced the traditional practices in which field workers were hired to gather the nuts in buckets and burlap bags. Mechanical sweepers now gather the nuts after they have been raked into windrows; according to lagerstedt, this is generally done after about ninety percent of the nuts have fallen to the ground. Problems may be encountered with mechanical sweepers if used once the rainy season has begun or if they are used on relatively steep slopes; they are commonly used in orchards located on bottom lands which also maintain a ground cover of sod.

Filberts are sorted and dried before they are sold. The purpose of sorting is to remove blanks (nuts lacking a kernal) and to establish grades (the larger nuts being of higher grade). The process of drying filberts is now done by cooperatives; however, during the 1920s and 30s tney often were dried at the farm. (Percy Giese gathered, dried and marketed his crop independent of any cooperative or grower's union.)

Typically, the nuts were spread out in shallow boxes and allowed to dry under the sun; this took about three to four days. They could also be dried in sheds which were heated to about eighty degrees

Fahrenheit. Filberts can spoil if overheated however; therefore, it is better to dry the nuts slowly than to attempt to accelerate the process

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A mechanical sweeper - gathers nuts that have been raked into windrows.

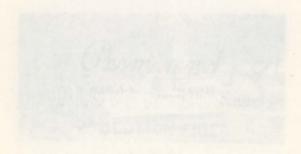


A flailing machine - a substitute for cultivating the orchard's grounds.

Figure 2.4: Mechanical Methods of Harvesting and Maintaining Filbert Orchards.



A accuercal sweeper - gathers outs that baye been cased toto windrows.



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Figure 2.4: Machanical Methods of devesting and Malaistotos

by raising the temperature. This susceptibility to spoiling may account for the limited number of mechanical dryers either developed or modified for drying filberts.

Summary

The region's filbert industry developed through the concerted efforts of a few pioneering horticulturists. Growers such as A.A. Quarnberg, George and Ben F. Dorris and Percy Giese were all active during the first quarter of the 20th century; their orchards were largely experimental enterprises as the business of marketing filberts was largely undeveloped until the 1930s. Much of the current nursery stock comes from the trees which were perfected by these pioneer growers.

The earliest filbert orchards were generally in existance by 1920. They are distinguishable by their relatively small size (typically from three to six acres), a preponderance of broadly spaced intervals between plantings (ranging from twenty to twenty-four feet) and a wide range of different cultivars planted as pollenizers in conjunction with the Barcelona (as the main planting). Percy Giese's orchard evinces each of these three major characteristics.

The cultivation of filberts in the United States is limited to a relatively small part of western Oregon and Washington, with commercial production concentrated within Oregon's Willamette Valley. The history of this industry is a significant component of the Willamette Valley's norticultural nistory, which has performed an important role in the Valley's settlement and economic development.

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The purpose of this chapter has been to acquaint the reader with the history and significance of filbert cultivation in the Willamette Valley, and to identify some of the more salient features and practices which distinguish early filbert orchards from their contemporary counterparts. The fact that these features are also found on the Percy Giese Farm, as will be illustrated in the following chapter, substantiates it as one of the Willamette Valley's pioneer filbert orchards.

The history of plant breeding and selection is discussed in contail by U.-Fr Bedrieb to a Wistory of Berticulture in America to 1880 (new York: Oxford University Press, 1930), pp. 030-06.

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Notes

¹For a more extensive discussion on the habit and range of the different species of filberts see: Harry B. Lagerstedt, "Filberts", in Advances in Fruit Breeding, edited by Jules Janick and James N. Moore (West Lafayette, Indiana: Purdue University Press, 1975), pp. 459-60.

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1930 and 1937; see bibliography for complete listing.

13Ibid., p. 38. Under the heading "Acknowledgements", Schuster wrote: "The writer wishes to express his appreciation to the following men who allowed the use of their orchards to carry on work for which the Experiment Station orchards were not fitted: George A. Dorris, John Forbes, A. A. Quarnberg, and Percy Giese".

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CHAPTER THREE

THE PERCY GIESE FARM

Biographical Overview

Percy Giese was one of the Pacific Northwest's pioneer filbert growers. He, along with other contemporaries such as A. A. Quarnberg and George A. Dorris, helped to create a successful filbert industry. Through personal study and experimentation, Percy Giese helped to identify viable pollenizers for use in conjunction with the Barcelona; thus, he contributed to improving filbert yields for all growers in the Pacific Northwest region.

Like many of his contemporaries, Percy Giese cultivated filberts primarily as a hobby (albeit a hobby that paid off handsomely). He was also an amateur, but one who possessed a keen understanding of horticultural science. Unlike some of his colleagues, Percy Giese was not ostentatious; he worked diligently and with great perseverance, but without a concern for self-aggrandizement. In fact, his modesty is at least partially responsible for his relative obscurity among other pioneer filbert growers.

Most of the information on Percy Giese's activities as a filbert grower is contained within three references: C. E. Schuster's report on filberts published in 1924 (O. A. C. Bulletin Number 208), an extensive

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My investigation into Percy Giese's life focused upon answering three basic questions which underlie his involvement in cultivating filberts. These questions include determining when he established his filbert orchard, what (if any) technical training he received within the field of horticulture and what contributions did he make to advance the filbert industry's development. The following discussion offers some answers to these questions.

Percy Giese was born to Elizabeth and Ernest Giese on July 5, 1853 at Portland, Oregon. The Giese's came to Oregon from Louisville, Kentucky, only about one month before Percy's birth. While in Louisville, Ernest Giese owned and operated a tailor shop; however, he chose to abandon this in favor of a more healthful life farming in Oregon.

Within a few months of their arrival, the Gieses settled a donation land claim (DLC) about twelve miles east of Portland, within

article on Percy Claim's fare published in the Greekes Carlook (Secsion 10, 1929) and an unpublished manuscript written by Jackson 7. Jones (proprietor of Joses' Piliert Hersety to Orthura, Oregon) in 1936. A rew additional references are contained within trade fortenis (the Orthur Grower and the spousi reports of the Manters Not Grower's Association). The exposited returns of the U. 5. George of Hopelettop as well as the property deeds and tax assessan's records for Multiopash County provided supplemental information on Parcy Gless's Activities. Take biographical oversion is heave principly upon the information extense fore these theory than the information.

By forestigation tuto parcy Green's life focused upon answeing tures basic quantions which underlie his loyolvament in cultivating titionts. These questions include describing your he established his filtert orchard, wast (if any) tacknical training be received within the liter of hortfedform and what coerributions did he make to advance the filtert lodustry's development. The following discussion offers some mayors to these questions.

Percy Clear was been to Alterbath and Ermant class on July 9, 1855 at Yorkland, Oregon. The Glene's case to Oregon from Louisyllis.

Naturely, only about one senth before Percy's bieth. While in Louisville, Ermant Class owner and operated a tailor shopt bowever, he chose to abundon this is fever of a sure healthful life fersing in Oregon.

Within a few months of their arrival, the Glarge entrind a specified land claim (BLC) about twelve miles east of Portions, within

the area that has become Gresham (Figure 3.1). Several settlers preceded the Gieses in establishing claims within this area; among these were Gerard and Elizabeth Linnemann and Laban Hicks, both of whom established claims in 1852. Ernest Giese and Gerard Linnemann had much in common, as they both emigrated from Germany and worked as tailors; according to a newspaper article (see Appendix 2), Linnemann helped Giese adjust to life as a farmer. The Gieses also developed a close association with Laban Hicks, who married Elizabeth Giese's sister, Catherine, in 1854. It is tempting to speculate that this relationship was at least partially responsible for the establishment of Percy Giese's farm on Hicks' DLC.

According to the enumerated returns of the U. S. Census of Population (for the years 1870 and 1880), Percy Giese resided at the family's homestead and, by 1880, was engaged in farming. In 1873, Percy was granted eighty acres of the family's DLC, consisting of roughly the southwestern one-quarter. The manner and extent to which Percy farmed this land remains unknown.

Some assumptions concerning the family's farming activities, however, can be made based upon the County's general pattern of agricultural development. The clearing of land dominated the activities of many settlers throughout the 1870s; according to the reports of the First Federal Survey, the area surrounding the Giese DLC consisted of burnt timber and dense fir and cedar forests (Figure 3.2). Within those areas that were cleared, the most commonly planted crops were hay, oats and potatoes. During the 1880s, increases occurred in

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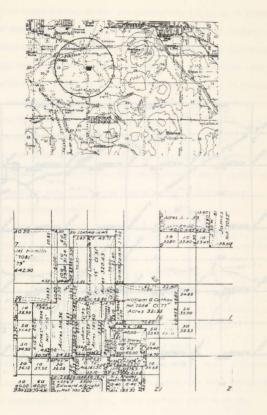


Figure 3.1: Location of the Giese, Hicks and Linnemann DLCs. (Note: The blackened spot is the location of Percy Giese's Farm.)

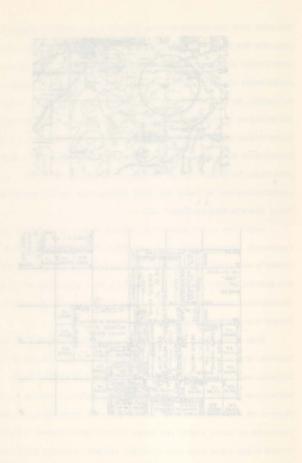


Figure 3.1: Location of the Giane, Micks and Linoussen Dick. (Bote: The blackcoad spot is the location of Petry Glass's Petrs.)

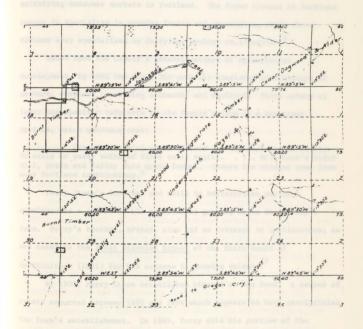


Figure 3.2: Surveyor's Map of the area encompassing the Giese DLC (Township 1 South, Range 3 East) in 1855

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the number of acres planted to hay and oats and in the value of market garden and orchard products sold; accordingly, the value of lumber products sold declined sharply during this same period. By the end of the century, the County's agricultural productions concentrated upon satisfying consumer markets in Portland. The farms closest to Portland tended to specialize in growing fruits and vegetables, while those farther away specialized in dairying, poultry or livestock.⁵

Based upon the County's general pattern of agricultural development, by 1890 the Giese DLC probably consisted of a mixture of pasture, cropland (including orchards) and woodland. There exists at least one specific reference to the family's farm in a newspaper article, which mentions that:

No scale or pests bothered those early apples. . . . Mr. Giese's cider mill, press and cellar were quite famous. Orders for vinegar came from many Portland institutions.

Percy Giese's interest and skill in horticulture may have developed as a result of his experiences growing up on the family's farm. Percy's brother, Arthur, also had an interest in horticulture; he was noted in the <u>First Biennial Report</u> of the State Board of Horticulture (1891) for his success in growing walnuts.

By 1900, Percy Giese established himself on his farm. A series of events occurred between 1889 and 1894 which appears to have precipitated the farm's establishment. In 1889, Percy sold his portion of the family's DLC to a Thomas Ellingham for twelve hundred dollars; this sale occurred about three weeks after the death of Percy's eldest brother and may have been prompted by it. About two years later,

the number of ecres planted to her dod outs and in the value of surject products sold recordingly, the value of suspen products sold deciled sheeply during this east period. By the ead of the cantury, the Gousty's agricultural productions concentrated upon satisfying consumer sersets in Portland. The farm closest to Portland confect to specialize in growing fruits and vegetables, while those testers way specialized to detrying, powing or livestock.

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By 1900, Percy Green established named to the inter. A series of several occurred between 1889 and 1809 which Appears to have precipitated.

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Milber and say have been prompted by it. About tou years later.

Percy's father died; one month after his father's death, Percy sold some property in which he is recorded as owning the southern half of Hicks' DLC. The proximity of these last two events strongly suggests that Percy inherited the southern half of Hicks' DLC following his father's death in 1891.

It is unlikely, however, that Percy Giese actually resided on the farm before 1894. Throughout his life, Percy maintained very close ties with his family; he never traveled to any great extent and married relatively late in his life. In all likelihood, Percy would have felt a greater sense of responsibility to his family following the deaths of his brother and father. Furthermore, the first evidence of Percy's involvement with the farm occurred in 1894, when a new house was built either by or for Percy Giese; his mother died in March of that same year. ¹⁰ These events and circumstances suggest that Percy Giese began to develop his farm in 1894.

Between 1907 and 1909, Percy Giese was involved in numerous real estate transactions. Most of these involved sales of property; a few, however, were more extensive undertakings. By 1908 the Portland Traction Company had established an interurban railroad station at Linnemann Junction (near the site of the Giese family's original homestead); this was followed by the creation of two residential subdivisions, namely the community of Cedarville and Causey Suburban Acres. 11 Cedarville, a small community situated near the railroad station and within the extreme northern portion of the Giese DLC, was established by several members of the Giese family; the Causey

Percy's father died; one most ofter his father's design bury sold semes property to which he is recorded as owning the counters half of Micke' DLC. 9 The proximity of these list too codate strongly suggests that Percy intericed the spothers half of Hicke' DLC following DLs Either's death to 1891.

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Suburban Acres tract, however, was developed solely by Percy Giese (Figure 3.3). Both developments may have provided Percy Giese with the capital to establish his filbert orchard, which he began sometime between 1906 and 1910.

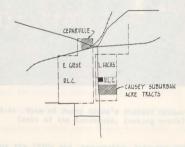


Figure 3.3: Location of Cedarville and Causey Suburban Acres; Two Suburban Developments Founded by Percy Giese in 1908.

The establishment of Percy Giese's filbert orchard within the first decade of the 20th century is substantiated by three separate references. One of these consists of a photograph (Figure 3.4) with the caption "Filbert Grove, 11 Years Old - Percy Giese, Gresham, Oregon"; it accompanied an article entitled "Planting a Filbert Grove", which was written by Ben Dorris and published in the Sixteenth Biennial Report of the State Board of Horticulture in 1921. There is no mention of Giese or nis orchard within the text of the article itself, however; such omissions are indicative of the fierce rivalry which existed among growers and nurserymen during the 1920s.

Suborbin Acres 1730; Doth Gevelopments may have provided ratey tiese with the capting to establish his filters occurre, which he began sensition persent 1900 and 1910.



Figure 3.3: Location of Codgrville and County Interper Acres Two Superban Developments Tourness by Parcy Class to 1808.

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Figure 3.4: View of Percy Giese's Filbert Orchard circa 1920 (west of the farmhouse, looking north?)

Throughout the 1920s and, presumably, into the 1930s, Percy Giese was engaged in maintaining and operating his filbert orchard and nursery. He was an active member of the Western Nut Grower's Association and in 1922 delivered an address entitled "Filbert Yields" at their annual meeting. 13 By 1929, Percy Giese was acknowledged as an authority on cultivating filberts. In a report published in the Gresham Outlook, which describes Giese's orchard and the practices that he recommended, the author confidently states:

[Percy] Giese has worked and experimented for many years with the 20 varieties on the place. His ranch has been a workshop where norticultural problems peculiar to the filbert growing industry have been solved for the benefit of all engaged in the work. Here he determined related truths and put them into practice years before the State Agricultural College covered the same ground. That is why his trees not only are sold over a wide range of territory but why his advice is sought as well, 14

In addition to conducting his own experiments and assisting with



Figure 3.4: View of Percy Giese's Filbert Orchard eites 1970 (west of the farebours, looking portby)

Introsphout the 1920s and, presumably, into the 1920s, Petcy Classe on angaged is estatatated and operating his filbert orchard and northery. He was no active member of the Nestara Myr Grover's benediation and in 1922 delivered as address positied "Filbert Yields" at their angust meating, 13 My 1929, Percy Class one acknowledged as a mannarity on anicipating filberts, Is a report published in the Creamen Outlook, which describes Class's archard and the practices that the recommended, the author confidently states:

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a addition to consecting his own experiments and assisting with

those of others (notably C. E. Schuster's study), Percy Giese provided the nursery stock for at least four filbert orchards within the vicinity of Gresham. 15 None of these still exist; however, according to contemporaneous reports, these orchards were successful enterprises.

In 1933 Jackson F. Jones (proprietor of Jones's Filbert Nursery) acquired an interest in Giese's nursery. Jones credited Giese with being a very knowledgeable grower of filberts; he noted that Giese produced a strain of filberts that had a remarkably high capability for self-pollination and which regularly bore heavy yields of nuts.

Presumably, Jones perpetuated Percy's filbert stock for several years afterwards in his own nursery and thereby contributed further to disseminating cultivars which Percy Giese developed. Giese continued to reside on his farm until 1937, when he retired and moved into Gresham; he died three years later, at the age of 86.

Percy Giese was actively engaged in cultivating filberts for about twenty years. His experiments focused upon identifying and developing pollenizers for the Barcelona as well as improving upon the Barcelona's own characteristics. The filbert industry has persistantly striven to develop varieties that are capable self-pollinizers and copious yielders of high quality nuts. The success of the region's filbert industry, which produced revenues of over eleven million dollars in 1982, attests to the skill and persistance of pioneer filbert growers like Percy Giese.

Description and Analysis of the Percy Giese Farm

The Percy Giese Farm, which is situated near the northwest corner

those of others (nocably C. S. Schmater's study), Verry Close provided the sursery stock for at least four illusts exchange within the variating of Greshen. 15 Hope of those still exist; however, according to contemporaneous reports, these occlusion was successful enterprises.

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Description bes complying

the Percy Cless Farm, which he although near the sorthwest corner

of the southern half of Laban Hicks' DLC, encompassed about five acres. During the 1890s, Percy Giese owned over ninety acres, which consisted of the southern half of Hicks' DLC and a narrow strip of land lying between the Hicks and Giese DLCs. Percy sold most of this acreage between 1907 and 1909, at about the same time that he began to plant his filbert orchard. In 1920, he sold a relatively large tract of land which bordered his farm, thus reducing his holdings to approximately ten acres (Figure 3.5). Of this acreage, Percy developed only that portion east of the county road, which corresponds with the Giese Farm's historic boundries.

By 1935, Percy Giese's farm was well-established. The filbert orchard comprised nearly two-thirds (about three acres) of the farm's total area. According to a report in the Gresham Outlook written in 1929, Giese had about three hundred mature trees in his orchard and about three thousand two-year-old trees in his nursery. A large part of the orchard was concentrated within the area south and west of the farmhouse (Figure 3.6; for comparison with later phases see figures 3.7 through 3.9); the nursery appears to have been located within the area east of the farmhouse and north of the barn.

In addition to the farmhouse and barn, there were two other sizable structures on the Giese Farm. One of these, which was located south of the farmhouse and along the driveway, may have been Catherine Hicks' residence; ¹⁸ the other, located south of the barn along an extension of the driveway, still exists and may have been a workshop wherein Percy experimented with and developed new filbert cultivars.

of the southern half of labor highs' bid, encompassed about five adverparing the 1870s, Percy Chare books over ninety roses, which consisted
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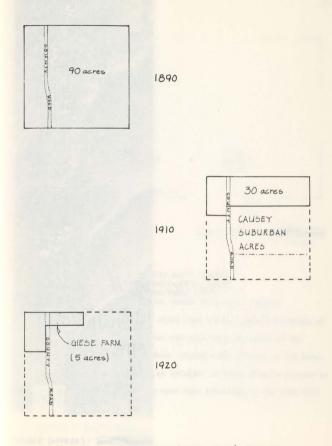
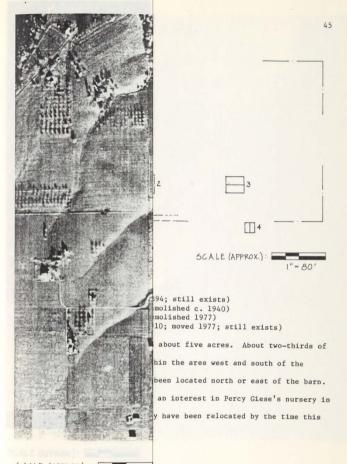


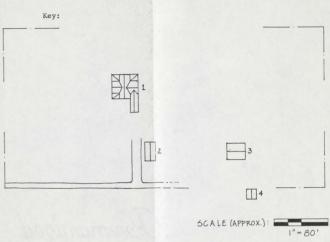
Figure 3.5: Partitioning of Percy Giese's Property: 1890, 1910 and 1920



SCALE (APPROX.) : =

l''=400' f 1935 Aerial Photograph the Percy Giese Farm



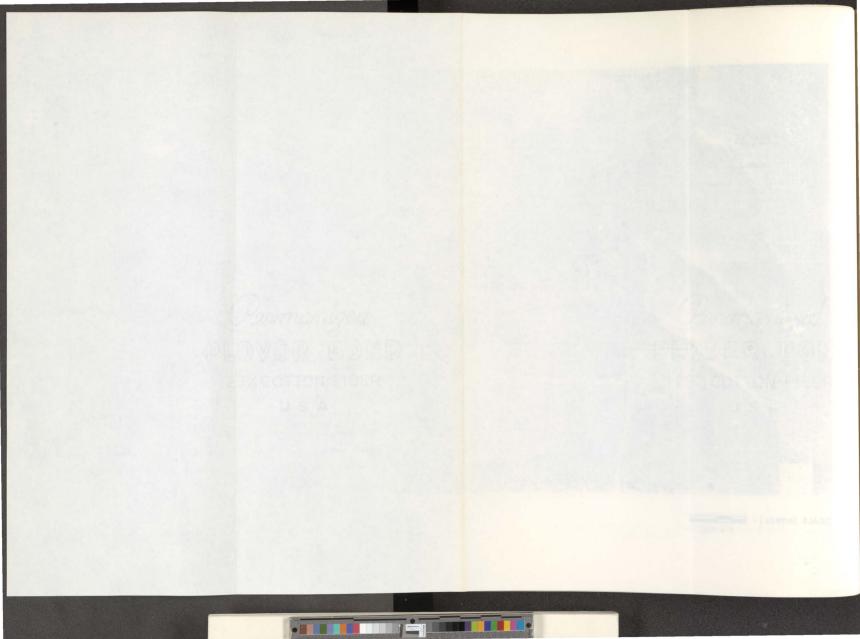


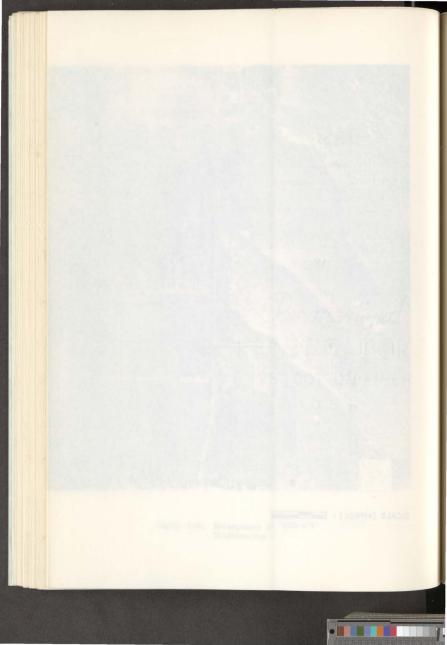
- 1 Farmhouse (built in 1894; still exists)
- 2 Residence (built ?; demolished c. 1940) 3 - Barn (built ?; demolished 1977)
- 4 Workshop (built c. 1910; moved 1977; still exists)

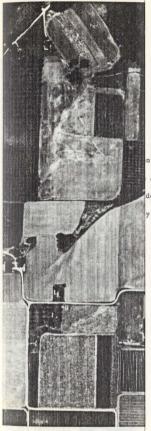
The Giese Farm encompassed about five acres. About two-thirds of the orchard was concentrated within the area west and south of the farmhouse; the nursery may have been located north or east of the barn. (Since Jackson F. Jones acquired an interest in Percy Giese's nursery in 1933, the nursery's operation may have been relocated by the time this photograph was taken.)

5CALE (APPROX.) : 1" = 400"

Figure 3.6: Enlargement of 1935 Aerial Photograph Illustrating the Percy Giese Farm





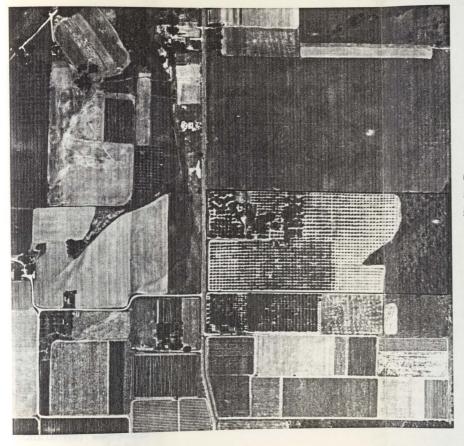


n expanded to about eighteen acres, the and a row of ancillary structures de of the workshop. Catherine Ann y the time this photograph was taken.

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1" = 400'

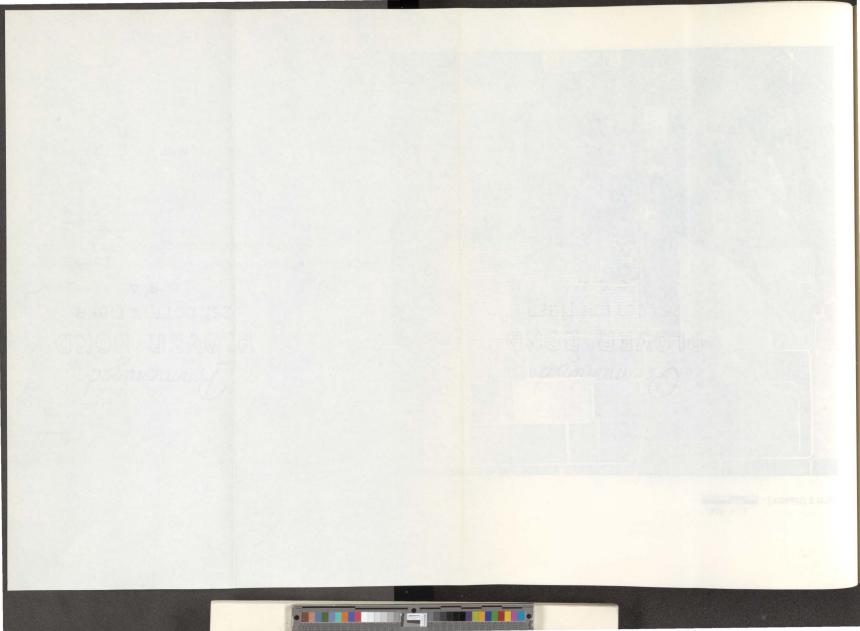
1948 Aerial Photograph . ne Percy Giese Farm



By 1948 the orchard had been expanded to about eighteen acres, the barn was converted to a residence and a row of ancillary structures flanked the driveway on either side of the workshop. Catherine Ann Hicks' residence was demolished by the time this photograph was taken.

5CALE (APPROX.): | | = 400

Figure 3.7: Enlargement of 1948 Aerial Photograph .
Illustrating the Percy Giese Farm





development encompassing a portion of 1977. Fully two and one-half acres of exists, which includes about two-thirds

the Giese Farm. Note the rows of suburban development (within the of houses and along the southern elds and roads as well as former west of the Giese Farm are remnants --

SCALE (APPROX.) : -



1982 Aerial Photograph ne Percy Giese Farm

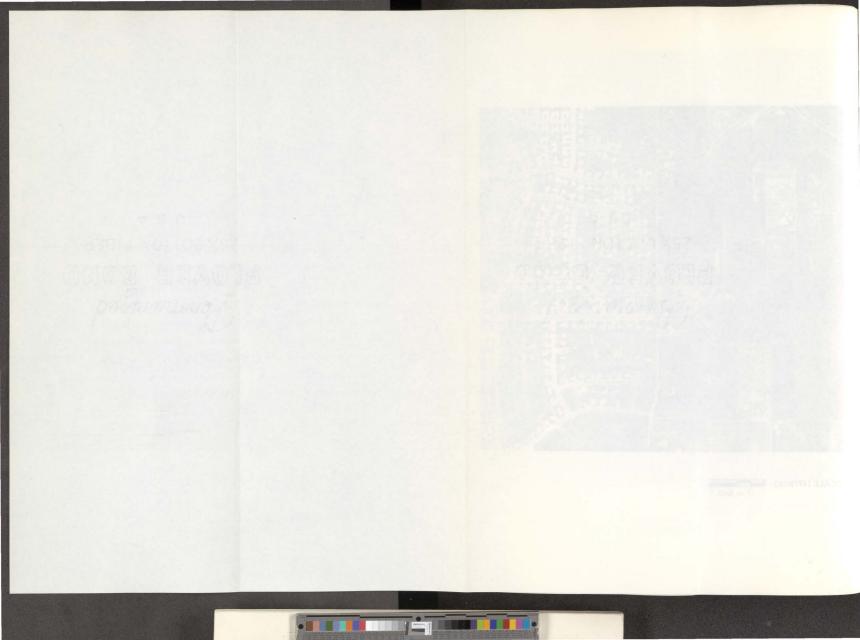


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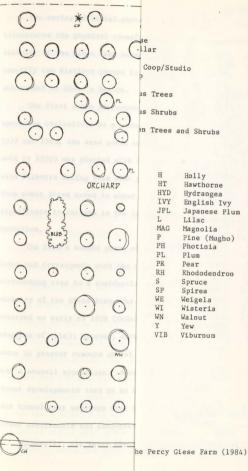
"Filbert Hill", a suburban development encompassing a portion of the Giese Farm, was developed in 1977. Fully two and one-half acres of the farm's original extent still exists, which includes about two-thirds of the orchard's original area.

There are also numerous remnants of former settlements and land-uses within the vicinity of the Giese Farm. Note the rows of filbert trees retained within the suburban development (within the backyards of the central cluster of houses and along the southern boundry); also, the pattern of fields and roads as well as former homesites are still discernable (west of the Giese Farm are remnants -- trees and roads -- of three former homesites belonging to the descendents of the Giese family).

Figure 3.8: Enlargement of 1982 Aerial Photograph Illustrating the Percy Giese Farm



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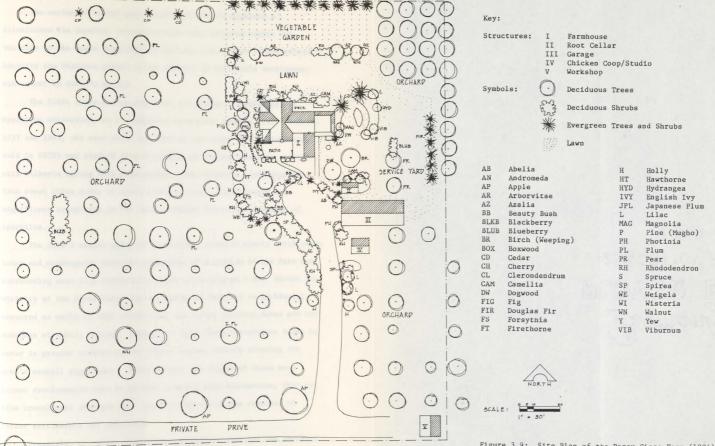
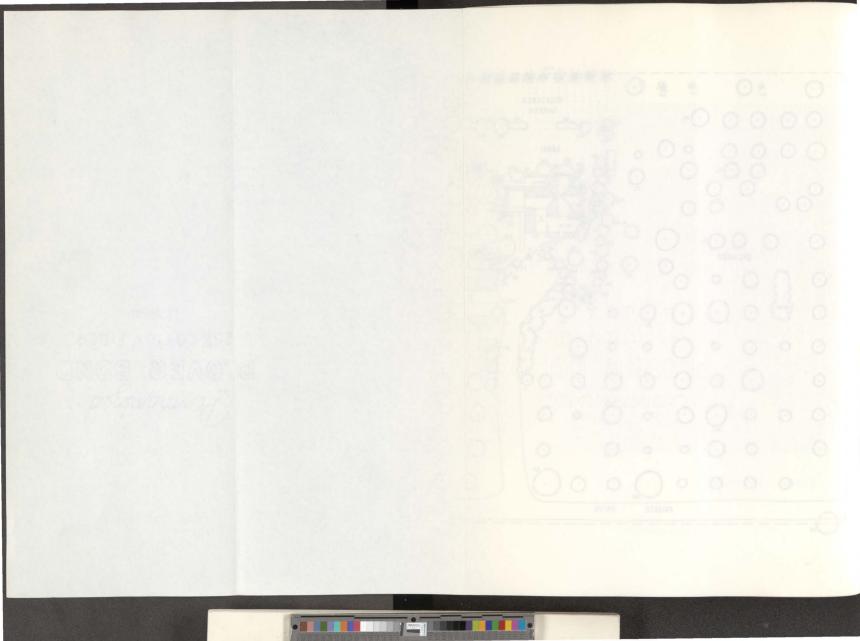
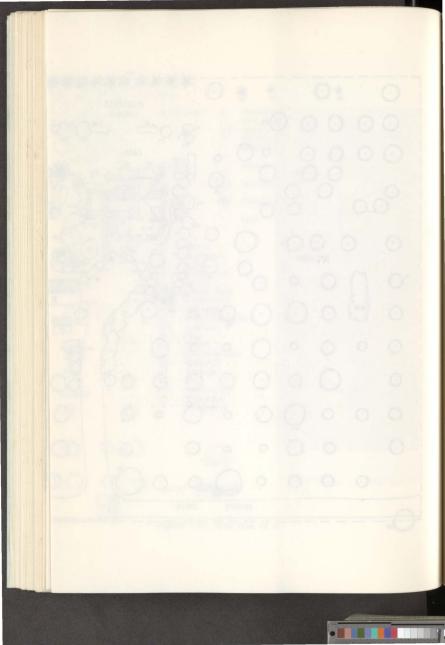


Figure 3.9: Site Plan of the Percy Giese Farm (1984)





The series of aerial photographs included in Appendix B illustrates the physical transformations that occurred within the vicinity of the Giese Farm between 1935 and 1982. This series helped to identify two distinct phases in the history of the farm's development subsequent to Giese's tenure.

The first phase corresponds with the orchard's expansion and operation exclusively as a commercial enterprise (Figure 3.7). Between 1937 and 1945, the area south and east of the Giese Farm (which Percy sold in 1920) was planted with filberts; the nursery was also planted with filberts during this same period. The orchard's rapid expansion, from about three acres to about eighteen acres, constitutes a significant transition in the farm's primary function and method of operation.

The farm's second phase of development occurred nearly forty years later and corresponds with the conversion of a portion of the farm and surrounding area to a residential subdivision (Figure 3.8). Within the vicinity of the Giese Farm, the conversion of farmland to residences occurred as early as 1908 (Cedarville and Causey Suburban Acres are two examples of this); however, during the 1970s these conversions began to occur in greater numbers and at larger scales, thereby altering the area's overall appearance. Nevertheless, the impact of these more recent developments tend to be more dramatic than substantive; they are like translucent overlays that are punctuated with the remnants of former settlements and land-uses.

Presently, the Percy Giese Farm encompasses over two and one-half

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Presently, the large Hane fare encompanies over two and overhald

acres, which includes a large part of Giese's filbert orchard and farmstead (Figure 3.9). Many of the farm's distinguishing characteristics, which are identifiable in the aerial photograph taken in 1935 (during Giese's tenure), are still discernable. The remainder of this section examines the Giese Farm's various components with regard to identifying and evaluating their significance and historical integrity.

Orchard

Percy Giese's filbert orchard is clearly the farm's most significant historical component. The orchard's existence and historical characteristics (such as its size, density and number of different cultivars) are essential to the farm's definition as a pioneer filbert orchard. Furthermore, the orchard is tangible evidence of Percy Giese's skill as a horticulturist.

During Giese's tenure, the orchard encompassed about three acres.

Of this area, most of the trees were located south and west of the farmhouse, extending south to the farm's driveway and west to the county road. Presently, the orchard encompasses almost two acres; much of it is concentrated within the area west of the farmhouse, bounded by the driveway and county road. Thus, approximately two-thirds of the orchard's original area still exists; furthermore, over ninety percent of the trees within this area were planted by Percy Giese. Only that portion of the orchard located along the farm's eastern boundry, encompassing about one acre, has been lost.

nerse, which includes a large part of Grass's filters ortherd and carmensed (Figure 3.9). Stay of the fam's distinguishing characteristics, which are industriable to the satial photograph cakes in 1935 (during Grass's troops), are still discorpable. The resultder of this section examines the Grass Fare's various components with regard to identifying and evaluating their significance and historical discorping.

DESCRIPTION

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Cond. Presently, the orchard encompasses almost two acres; much of it

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recentral's original area still saists; furthursore, over anesty perdent

of the trees within this area were planted by very dista. Only that

original of the orchard located along the farm's saister boundry.

The orchard's design, which is based upon the square system with the trees spaced about twenty to twenty-four feet apart, also survives virtually intact. A few trees have been planted to replace those lost or severely damaged by storms and a few trees have developed on their own (with the help of birds and squirrels) along the orchard's perimeter. These subsequent plantings generally conform to the orchard's established design.

According to a report in the <u>Gresham Outlook</u>, ²⁰ Giese had about twenty different varieties of filberts in his orchard and nursery. It is unlikely, however, that all twenty varieties proved worthy of commercial cultivation; as such, not all varieties would have been maintained. Among the filbert trees that remain, at least five different varieties have been identified. ²¹ Some of the less common varieties are Nottingham, Nonpareil and Clackamas; according to C. E. Schuster's report (which evaluated the effectiveness of pollenizers), Nottingham proved to be an effective pollenizer for Barcelona, while Clackamas was well suited as a pollenizer for DuChilly. ²²

Within the extreme northeast corner of the farm there exists a small cluster of filbert trees that were planted during the orchard's expansion (between 1937 and 1945). The characteristics of this planting differs significantly from that of the rest of the orchard; the trees are planted much closer together, about twelve to fifteen feet apart, and almost all are Barcelonas. (The trees probably were planted closer together with the intention of removing some trees after they had used up their allotted space; however, this was never accomplished.) These

Ino orchard's dealgn, which is been upon the square speles with cus trees speced about county to record-four feet apart, sind survives virtually inteset. A few trace have been planted to replace those look or sholl on severaly dealged by sturms and a few trees have developed on their cost (with the being of birds and squarevis) along the orchard's parisanter. These secentuary plantings gondraily conform to the orchard's established design.

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characteristics exemplify the predominant system used in the orchard's expansion and typify the differences between early, more experimental, rilbert orchards and those that were planted strictly as commercial enterprises.

The existence of a large number of filbert trees that were planted by Percy Giese is more important than their physical condition. The reason for this is that an exact replica can be reproduced from the suckers that a filbert throws out; in fact, it is possible to rejuvinate an entire tree from little more than a stump (Figure 3.10).

Furthermore, the primary significance of the trees pertains to their genetic characteristics and not their physical form.



Figure 3.10: A Rejuvinated Filbert Tree on the Giese Farm

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The existence of a large number of fileset trees that were planted by Percy Close is core important than their physical condition. The reason for this is that as axact replica can be reproduced from the student throws out; in fact, it is possible to rejuvicate as entire tree from little more than a croop (Higher 3.10).

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Pigure 3.10: A Sejuvinared Filbert Tree on the Gless Ferm

Giese's filbert orchard continues to be a prominent feature in the landscape. The rows of trees distinguish the farm from its surroundings and its spatial characteristics identify it as a pioneer orchard. The orchard contains a large number of trees that Percy Giese planted, some of which Percy propagated in his own nursery. Each of the orchard's significant characteristics — its extent, design and constituent parts — remain sufficiently intact so as to reinforce the farm's historical integrity.

Farmstead

Percy Giese's farmstead²³ consisted of a collection of buildings and spaces which supported the farm's operation and daily activities (Figure 3.11). Some of these related directly to the orchard's operation or maintenance, while others supported domestic functions or provided opportunities for recreation or aesthetic enjoyment. These buildings and spaces were developed and modified over an extended period of time; they are indicative of the changing needs and interests of the farm's proprietors.



Figure 3.11: View of the Giese Farm from the Southwest (ca.1965)

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Pigues 3.11: View of the Glose Form from the Statement (ca.1065)

During Giese's tenure, the farmstead comprised two distinct areas: a domestic area and a storage and work area. The farmhouse, situated near the center of the farm, dominated the domestic area; the storage and work area, which was located behind the farmhouse and along the farm's eastern boundry, encompassed a barn and workshop. This separation of domestic functions from those related to the farm's business is characteristic of the spatial organization of many farmsteads within the Willamette Valley during the late 19th century. 24

The farmhouse is one of the more distinctive buildings on the Giese Farm. It was built in 1894 in accordance with the principles of the late Queen Anne style (Figure 3.12). Although the farmhouse has been altered, it still retains the basic form and proportions which distinguish its architectural style. Furthermore, the house's location upon a prominent hilltop and its distinctive red-colored roof, which were among its most noted features historically, also survives.

The grounds surrounding the farmhouse are extensively landscaped; over thirty different kinds of trees and shrubs exist. Many of these were planted subsequent to Giese's tenure; however, a few are large enough to have been planted by Percy or his wife, Alida Culy Giese. 25 Among these are a weeping birch, English holly and fig trees; in addition, there is an assortment of roses planted around the house, some of which may have been planted by the Gieses.

The arrangement of plantings and ancillary structures surrounding the farmhouse define and denote service yards, lawns and gardens. An old well, cistern and root cellar are located within the service yard Daring Olera's reduce, the formations congress to distinct assets a domestic stea on a storage and work area. The fermiouse, attracted over the center of the farm, dominated the domestic ates; the storage and work area, which was located beniod the formouse and along the farm's eastern bossety, entropeased a barn and workshop. This expansion of domestic functions from those related to the farm's eventees to characteristic of the special organization of sany terminated within the Willemetre Valley during the late 19th century.

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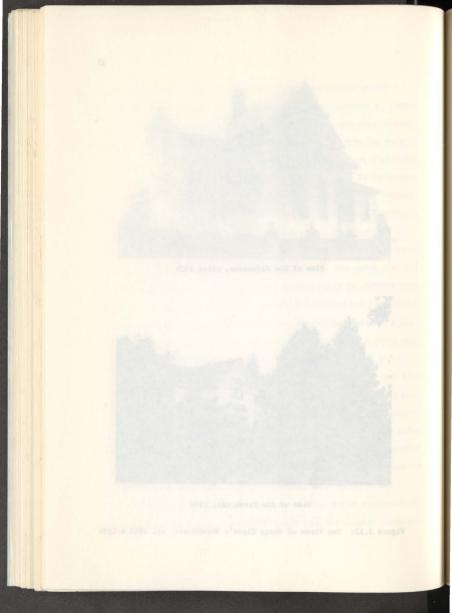


View of the Farmhouse, circa 1905



View of the Farmhouse, 1984

Figure 3.12: Two Views of Percy Giese's Farmhouse: ca. 1905 & 1984



east of the farmhouse adjacent to the kitchen (and, formerly, the woodshed). A dense row of flowering trees and shrubs extend along the western flanks of the farmhouse creating a small garden alcove, while a broad expanse of lawn north of the house affords one with a panoramic view of the valley below. Collectively, these areas serve to define and distinguish this part of the farmstead from the surrounding orchard.

The barn and workshop were simple, utilitarian structures surrounded by open space to allow for easy access and maneuverability of supplies and equipment. The driveway provided direct access to both structures and, presumably, the nursery as well.

The orchard's expansion changed the character of this area somewhat; the workshop became one of three accessory structures flanking the driveway on the south, and the barn was converted to a residence (possibly for a caretaker) and secluded from the work area by rows of filbert trees. This area was altered again in 1977, in conjunction with the development of the residential subdivision. At this time, the workshop was moved (as well as a former chicken coop) about fifty feet to its present location, and the remaining structures were demolished. Nevertheless, the workshop's location along the driveway which led to the work area serves to reinforce the farmstead's original spatial organization. Furthermore, since the workshop is associated with Percy Giese's experiments in breeding new filbert cultivars, it is an important component of the farm's historical fabric.

Thus, the farmstead contributes to the farm's overall definition by denoting the location and kind of activities which were a part of the

eract of the forenouse edjacent to the vicehen (and, formerly, the voodshed). A dense car of limerton trees and shrubs extend along the wastern fishes of the termonese creating a small garden microre, valle a broad expense of laws each of the house affords one with a problemate view of the valley below. Delloctively, these areas serve to define and distributed this part of the farastess from the corrounding orchard.

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Thus, the farment contributes to the farm's overell deliction by descring the location and Migd of activities which were a part of the

farm's daily life. The organization and embelishment of each area denote their relative rank and role; these, more than anything else on the farm, reveal the interests and aspirationns of those who have helped shape the Percy Giese Farm.

Farmsite and Context

The Percy Giese Farm is situated upon the crest of a gently rising foothill about one-half mile southeast of the family's homestead (Figure 3.13). The farmsite is an ideal location for a filbert orchard: the ground slopes gently downward and away from the site in all directions enabling excessive moisture and cold air to drain readily. Perhaps, too, the site provided Percy Giese with the opportunity to contemplate upon his life as he overlooked the family's homestead. Certainly Percy's selection of this site was fully intentional, for he had over ninety acres to choose from, most of which was equally suited to cultivating filberts.



Figure 3.13: View of the Giese Farm from the West (1984)

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Piggra 1.13: Year of the Close Pare from the West (1938)

Within the vicinity of the Giese Farm there are numerous markers which reflect the area's history and settlement (Figure 3.14). The filbert trees that exist within the residential subdivision attest to the orchard's former extent and serve to explain the history of the name "Filbert Hill". There are place names, such as Cedarville and Linnemann Junction, which denote the area's former appearance and early settlers. The boundries of many DLCs within the area are also discernable, marked by roads and fences. Intensive farming, of the sort which once predominated throughout the area, still exists within the area southwest of the Giese Farm. Each of these markers helps to establish a historical context for the Giese Farm which defines the farm's position within the history of the community's settlement and transformation.

The Giese Farm has always been a distinctive feature in the landscape. The rows of filbert trees not only define the farm's boundries, but also visually set the farm apart from its surroundings. This distinction persists in spite of the changes that have occurred within the area; in fact, the contrast between the farm and the subdivision actually reinforces its distinction. In its present context, the farm is clearly a remnant which evinces the manner and extent of the area's transformation.

Summary

The Percy Giese Farm is a historic site which is both locally and regionally significant. As a local innovator and disseminator of both materials and methods of cultivating filberts, Percy Giese was

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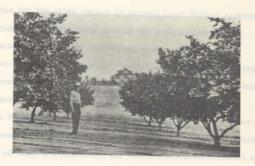


Photo of Percy Giese in his Filbert Orchard, circa 1935.



Similar Scene Taken from the Giese Farm in 1984.

Figure 3.14: Two Scenes from the Giese Farm: circa 1935 and 1984.

Proce of Percy Clese to mis Filterit Orchard, circa 1935.



Staniar Scene Dead from the Glose Park in 1989.

Pagers 3.14: Two Scrape from the Case Sare: circa 1935 and 1986.

responsible for the establishment of several local filbert orchards.

His experiments in developing, testing and breeding new filbert
cultivars helped to advance the filbert industry's development
throughout the Willamette Valley. The filbert industry was certainly
not founded by any one person; rather, it developed out of a consortium
of entrepreneurs which included Percy Giese.

The Percy Giese Farm is significant because it is the place where Percy Giese conducted his experiments. The orchard provides tangible evidence of Giese's workmanship; the vitality and productiveness of the filbert trees attests to his skill as a horticulturist. The farmstead's various components, which survive from Giese's tenure (notably the farmhouse and the worksnop), augment the orchard's significance by providing the context wherein he lived and worked.

The farm is also significant because it is representative of the early style and method of establishing and maintaining a filbert orchard. The farm's primary stylistic characteristics include its small size, broad spacing between trees and a diversity of different cultivars. The continuation of such practices as tilling the soil and harvesting the nuts by hand (rather than mechanically) further distinguishes the farm from the mechanized orchards of today.

The historical integrity of the Giese Farm remains intact because a majority of its components, which distinguish it as the Giese Farm and a pioneer filbert orchard, also remain intact. Fully two-thirds of the orchard's original extent still survives; moreover, there exists a large number of trees which Percy Giese planted. The farm's boundries are

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much the same as they were during Giese's tenure, delineated by rows of filbert trees or the driveway; the only exception is the farm's eastern boundry, which is now closer to the farmhouse.

The farm's spatial organization, its clustering of buildings and spaces into related units, has also been maintained. Many of these buildings and spaces are original components; although many have been modified, they still serve in the same or a similar capacity.

The integrity of the Giese Farm has also withstood the changes that have occurred within the surrounding landscape. This is largely due to the fact that the farm has served primarily as a residence; the orchard has operated primarily as a hobby which paid for itself and at times provided a secondary source of income. Because the farm has not had to compete on the same basis as other strictly commercial enterprises, it also has not had to adopt modern practices. The circumstances which have helped to preserve the farm no longer exist however, and a different approach is necessary if the farm is to be preserved into the future.

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Notes

¹The reasons for Ernest and Elizabeth Giese's departure from Kentucky, as well as their trip to Oregon, is described in a newspaper article (publication data missing) provided by Mrs. Jane Truman (Percy Giese's great niece). The article is reproduced in its entirety in Appendix B.

²Laban Hicks died in 1857; Catherine Ann Hicks remarried, but her second husband died shortly thereafter. Catherine Hicks resided on the southern half of Hicks' DLC until her death in 1872. The Giese family's genealogy was provided by Mrs. Jane Truman.

 $^3\mathrm{Book}$ W, pp. 69-70 of the Multnomah County Deeds and Records (Portland, Oregon); see Appendix B for complete citation.

⁴Oregon Agricultural College and U.S. Department of Agriculture, Reports of the Multnomah County Agricultural Conference (Corvallis: Oregon Agricultural College, 1925), pp. 33-5.

⁵During the first quarter of the 20th century, Gresham became the major agricultural clearinghouse for all of eastern Multnomah County.

 $^6\mathrm{Quoted}$ from the newspaper article provided by Mrs. Jane Truman (publication data missing; reproduced in Appendix B).

⁷Henry E. Dosch, "Report of the Commissioner for the First District", in First Biennial Report of the State Board of Horticulture (Salem, Oregon: State Printing Office, 1891), pp. 66-68. The first district included the counties of Multnomah, Clackamas, Yamhill, Washington, Columbia, Clatsop and Tillamook.

⁸Book 123, p. 278 of the Multnomah County Deeds and Records (Portland, Oregon), dated 21 June 1889. Percy's eldest brother, Ernest G. Giese, died on June 3, 1889 at the age of 44.

⁹Book 156, p. 368 of the Multnomah County Deeds and Records (Portland, Oregon). This transaction involved the sale of about ten and one-half acres, consisting of a narrow strip of land located between Hicks' DLC and Glese's DLC, to Christian F. Ruegg. Ruegg acquired the northern half of Hicks' DLC from the "heirs of Laban Hicks" in a sheriff's sale in 1881 (Book 48, p. 52). Ernest and Elizabeth Giese bought the southern half of Hicks' DLC from Catherine A. Hicks in 1859 in a mandatory sale to pay off Hicks' debts; in 1860 the Giese's conveyed this property back to Catherine A. Hicks under an agreement of indenture (Book C, p. 7). Presumably, ownership of the property reverted back to the Gieses following Catherine Hicks' death in 1872.

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"Book 133, p. 278 of the bulterent County Localy and Medicals. Northand, Cospool, detend 21 local by Persy's oldest Scatcher, Erosare - Chang, died on Jone 3, 185 or the per of the

"Nook 156, p. 168 of the Malteunah County Deets and Leverds (Portland, Oregos). This trescention servine of the male of ubust too conclusing of a servine servine of land male of ubust too conclusing of a servine servine of land male of ubust too third back." It is not the land of the contract the servine of the land the southern the land to land the southern half of Micha block is a sensitive and the land to pay off Sicha' debted to 1800 the Glose's land to pay off Sicha' debted to 1800 the Glose's land to pay off Sicha' debted to 1800 the Glose's land to pay off Sicha's debted to 1800 the Glose's land to pay off Sicha's debted to 1800 the Glose's land to the property back to Catherine A. Micha winds to approprie land to the property land to the property of the Gloses following Cetherles Micha' can't to 1805.

10 Tax Assessor's Records (Microfiche), Multnomah County Tax Assessors Office, Portland, Oregon. It has been suggested that Percy Giese built a small building (what I've referred to as "the workshop") to live in while building his house. This seems illogical for two reasons. First, a house already existed within close proximity to where Percy built his house (presumably this was the house that Catherine Hicks lived in); second, the building's location and design is wholly inconsistant with what might be expected for that era.

11plat of Cedarville: Book 414, p. 67 (May 14, 1908); Plat of the Causey Suburban Acre Tracts: Book 440, p. 28 (September 29, 1908). The Portland Traction Company was granted a right of way by members of the Giese family on January 8, 1906. The location of the Giese family's homestead is noted in the newspaper article (publication data missing) provided by Mrs. Jane Truman and reproduced in Appendix 2.

12pp. 135-41. Since both George A. and Ben F. Dorris were working with C. E. Schuster of the State Agricultural Experiment Station at the same time that this article was published, it is likely that they also knew of Percy Giese. No correspondence between the Dorrises and Giese has been found however.

 $13\underline{\rm oregon~Grower}$, 4 (November 1922): 6. Unfortunately, the minutes of this meeting are missing.

14"Gresham Filbert Farm is Pioneer in Industry", <u>Gresham</u> <u>Outlook</u>, 10 December 1929, p. 2.

15These include: H. W. Fritz's orchard, formerly located at the intersection of Section Line and Strebin roads northeast of Gresham; C. N. Taylor's orchard, formerly located about one mile south of the Percy Giese Farm at the intersection of Pleasant View and Richey streets; the Northrup-Becker orchard, formerly located on Gresham Butte (also known as Walter's Hill); and Schuyler C. Jones' (father of Jackson F. Jones) orchard, formerly on the W. G. Cathey DLC. A portion of this last named orchard may still exist on the east side of Heiney Road south of the intersection with 19th Street. Gresham Outlook, 10 December 1929, p. 2; and Jones, "Filberts", p. 10-11.

16J. F. Jones, "Filberts", p. 9.

 $17^{\rm n}{\rm Gresham}$ Filbert Farm is Pioneer in Industry", 10 December 1929, p. 2.

 $18 \, \mathrm{The}$ enumerated returns of the U. S. Census of Population for 1870 lists Catherine Hicks (as Catherine Aughter) as "keeping house" with a personal estate valued at nine hundred fifty dollars.

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19Harold and Hazel Wogsberg purchased twenty-five two-year-old trees on February 23, 1965 from the Sander Filbert Nursery at Dundee, Oregon; not all of these were planted within the orchard's original area. Information provided by the Wogsbergs during a taped interview in February 1983.

20"Gresham Filbert Farm is Pioneer in Industry", 10 December 1929, p. 2.

21The Oregon State University Agricultural Extension Service identified the following varieties from a sample of nuts gathered from the Orchard: Nottingham, Fitzgerald, Noopareil, DuChilly, Daviana, Pointed Barcelona, Clackamas and Willamette (Barcelona). Clackamas was developed in 1917 and Fitzgerald and Nonpareil were developed in 1936 (Lagerstedt, "Filberts", p. 462).

22Schuster, Filberts, p. 4.

23The definition of the word "farmstead" as used herein corresponds with the definition provided by Glenn T. Trewartha, "Some Regional Characteristics of American Farmsteads" in the Annals of the Association of American Geographers, 38 (September 1948): 169-225. His definition, which appears on page 169, is as follows: "The farmstead is the center of operations on a American farm. It contains the operator's residence; barns and sheds for the shelter of animals, the storage of feeds, and the protection of tools and machinery; together with adjoining feeding pens and yards, a home garden, and possibly an orchard."

24Thomas Vaughan and Virginia Guest Ferriday, editors, Space, Style and Structure: Building in Northwest America, 2 Vols. (Portland: Oregon Historical Society, 1974),

25Percy Giese married Alida Culy on March 12, 1912; Gresham Outlook, March 14, 1912, p. 1. She was an avid gardener and a member of the Gresham Garden Club. Darold and Bear Topakity parchased two two-sear-old creases on Pohresey 23, 1963 from two-factor dillary Barnery at Norther, Congress one all at these were planted attach the ordered a reignation of the Topakity and Article of

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CHAPTER FOUR

SUGGESTIONS FOR THE FUTURE MANAGEMENT OF THE PERCY GIESE FARM

Basic Philosophy

The physical environment is a vast historical and cultural montage. The impress of human activity is evident in vegetation and topography as well as in buildings and structures. This impress is not indelible however, and preservationists are obliged to identify and protect their true character and importance for the benefit of future generations.

Preservation does not require that a resource be removed from its setting or isolated from its environment in order to be protected. Some rather sophisticated means of protecting resources within their contexts exist; although, not all resources require their use. What is essential, however, is that any proposal for future management ensue from a clear understanding of the resource's significance and the impact that any activities might have on its historical integrity.

One of the reasons for preserving things from our past is to
provide people with visible and tangible reminders of our heritage.
Environmental remnants can be especially poignant indices of the history
of a place; they not only reveal previous land-use activities and
patterns of settlement but also the manner, pace and extent of

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Preservationists, among others, have come to recognize a basic human need for environments which reflect a historical continuum: environments which provide visual linkages with past cultures and events. It is what Peirce Lewis and others refer to as "a sense of place." A sense of place is not something that can be reconstructed however, and Lewis admonishes us to identify places where it already exists and "... to nurture it when we find it."

A sense of place derives from an understanding of the particular history of a place, a history which is visible and determinable. It requires some sort of distinction, some characteristic which provides the viewer with a semblance of the place's uniqueness. The distinction does not need to be especially spectacular, but it does need to be tangible and sufficiently intact to be recognizable.

The Percy Giese Farm can provide the residents of "Filbert Hill" and the surrounding community with a sense of place and historical continuum. The farm serves as a reminder of the community's former agricultural predominance as well as an indicator of its subsequent transformation. Moreover, the farm provides a visual reference point which bespeaks of the history of those filbert trees that remain within the yards of the surrounding residential district.

The object of preservation is to protect and maintain at least those features and components which are essential to sustain the

authorquest changes withda the our concluse area. Requests schiere that affect through contrast and alleafor; they are wisually discrete and settlested in comparison with their surregardings.

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The object of preservative in to protect and unforajo at loant communication of the communication and companions which are communication to sustain the

character and integrity of a historic resource. Ideally, historic resources should be preserved as they exist (excluding, of course, conditions which accelerate a resource's deterioration); however, since all materials have a finite lifespan, preservationists can only moderate the effects of time.

The greatest cause of deterioration, however, is not time or the effects of weathering but irresponsible actions undertaken by people, including those who espouse preservation. Those who are in charge of preserving a resource must review and evaluate the impact of any proposed treatment or action. "So far as may be possible, we should seek to approximate the slower, steadier, more organic processes of change that snaped our settlements in the past. We should minimize our interventions in historic areas, if only to leave the maximum flexibility of choice to future generations."

A Proposal for Managing the Percy Giese Farm

The reasons for preserving the Percy Giese Farm are twofold. As a remnant of the community's agricultural heritage, the farm serves to illustrate the character of the area's physical transformation. At a different level, the farm is a constituent part of the horticultural nistory of the Willamette Valley; the filbert orchard serves as a testimonial of Percy Giese's contribution to the development of a new and regionally unique industry. Although it is necessary to have prior knowledge of the history of filbert cultivation to fully appreciate the Giese Farm's regional significance, it is still possible to appreciate

character and integrity of a historic resource. Ideally, historic resources annoted he preserved as they evilet (excludings, of course, conditions which accelerate a resource's deterioration); however, since all materials have a finite lifespen, preserverigalists can only accessed the affacts of time.

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the farm simply as a remnant. Nevertheless, any proposal should be sensitive to the full extent of the farm's historical significance.

The objectives of this proposal are to maintain the existing form and integrity of the Percy Giese Farm by protecting it from adverse development and providing for a program of ongoing maintenance.

Although this can be achieved by using a single land-use control, two measures are recommended. Foremost of these is a conservation easement, to be acquired by the Gresham Historical Society in consort with a State or regional organization experienced in managing historic or cultural resources. A cooperative management agreement between the Historical Society and the Parks Department of the City of Gresham could provide for a portion of the orchard's maintenance. The need for these measures, their general purpose and application are outlined below.

Defining a Compatible Use

Throughout the history of the Giese Farm, the filbert orchard has not functioned as the farm's economic mainstay. Large scale production and marketing of filberts within the Pacific Northwest did not occur until the 1930s; moreover, the experimental nature of Percy Giese's orchard (as with other pioneer orchards) limited its commercial potential until relatively late in his career. Even after the farm was sold, the farm's subsequent owners continued to derive their income from sources independent of the farm's operation.

Although the City's zoning ordinance permits the continuation of existing agricultural operations, to operate the farm as a commercial

the form steply as a recoast. Newertheless, any proposal absold be sensitive to the full extent of the farm's historical arguitteners.

The objectives of this proposal are to salutain the existing for a set integrity of the Percy Gless Para by protecting it from adverse development and providing for a progres of cogoing maintenance.

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enterprise is not feasible. The orchard is much too small to operate profitably, and the filbert trees within the surrounding subdivision harbor pests which thwart any effort aimed at producing a marketable grade of nuts. The orchard's functional obsolescence, however, is a characteristic of its age and an indicator of its history. Providing for the orchard's maintenance is an essential requisite of any proposal that espouses to preserve the significance of the Giese Farm.

Perpetuating the farm's usefulness as a private residence is clearly the simplest and most direct way to provide for its preservation. Such a use obviates any need to institute changes or modifications to procure a contemporary usefulness. Furthermore, such a use is consistant with the area's designation as a low-density residential district. Nevertheless, it must be recognized that this use is less than the site's potential use which, according to the standards adopted in 1981, would permit the construction of twelve single-family residences on the farm's two and one-half acres.

Thus, there are two major issues relative to preserving the Giese Farm. The farm must be protected from the threat of suburban development and a means must be devised to provide for the orchard's maintenance. Existing State and local programs designed to help preserve historic resources are ineffective in abating the threats that confront the Giese Farm; 8 therefore, additional controls are necessary in order to achieve the stated objectives.

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Thus, there are two major issues relative to preserving the diede form. The face cost to protected trow the threat of suburban davalepsant and a resca must be deviced to provide for the openate's contactence. Existing frace and local programs designed to help preserve historic resources are inaffective in spating the threats that controct the filest farm, tentucione, additional courfels are occasery in order to achieve the stated objectives.

Proposed Land-Use Controls

A conservation easement provides a relatively simple and efficient means of controlling the farm's use and development. An easement constitutes a partial interest in a property; it is a legal instrument which grants specific rights to a person or organization other than the property's owner. The specific rights granted vary in accordance with the intent of the easement; however, once established the legal authority of an easement continues in perpetuity regardless of any subsequent changes in the property's ownership.

A conservation easement specifically designed to meet the needs of the Giese Farm must include three basic ingredients. Foremost among these is the right to develop (or not develop as is the case here) the property in accordance with local regulations (e.g., twelve single-family residences). In order to prevent inappropriate alterations to the farm's physical fabric, the easement should also stipulate that before undertaking any alterations or other kinds of actions that may impact the farm's historic fabric the property owner must obtain the approval of the holder of the easement. As with most easements, the holder must be guaranteed a reasonable right of access to the property in order to perform periodic inspections, monitor activities and conduct repairs or maintenance if necessary.

While easements can require that a property be maintained, those charged with the task may lack the necessary skills to perform the job adequately. Since the filbert orchard is such an important part of the

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A conservation ensures provides a relatively simple and efficient course of controlling the farm's one and development, he assumes the constitutes a partial interest to a property it is is a legal instructed the relate protein content than the property's owner. The apartial rights granted very in accordance with the interior of the essential housear, once established the legal authority of an essential continue in perposutry regardless of any accordance to the property's ownership.

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Minis especial can require that a projectly be maintained, there charged with the task may lack the secretary skills to perform the 100 and secretary. Since the filteer wroherd is such as important part of the

Giese Farm, maintaining it is of special concern. A cooperative management agreement, which is essentially a contract, providing for the orchard's maintenance could augment the requirements stipulated in a conservation easement. The State's Agricultural Extension Service could provide the necessary technical advice for the City of Gresham's Department of Parks which would perform the actual work to maintain the trees in a healthy condition. The holder of the conservation easement should be permitted to enter into any such agreements as are necessary to insure the proper maintenance of the orchard.

In Oregon, conservation easements may be acquired by any state agency, local government, park or recreational district, public corporation, political subdivision or non-profit organization having the purpose of protecting or enhancing historic sites. The organization or agency holding an easement is responsible for monitoring and ensuring its enforcement. This includes reviewing proposed changes as well as defending the easement's legitimacy in a court of law. Because of the combined need for local monitoring and considerable technical skills (such as legal counsel and design review) and resources, it is often beneficial for the easement to be owned by a consortium of local, state or regional organizations which share a common interest in the property's preservation.

In this proposal, the Gresham Historical Society would act as the local organization in charge of monitoring compliance with the conditions of the easement. Other organizations could provide technical advice, such as commenting on the appropriateness of a proposed

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treatment, and serve as a companion agency in the event of a legal challenge. Included in Appendix C is a listing of such organizations which might assist the Gresham Historical Society with developing and monitoring a conservation easement.

Easements can be acquired through either donation or purchase.

There are several ways in which a property owner may benefit from donating a conservation easement; a few of these are outlined below.

The value of a conservation easement that is donated to a qualified organization or agency qualifies as a charitable contribution for the purpose of determining federal income or estate taxes. 11 Many states, including Oregon, have provisions for assessing property that is encumbered with a conservation easement at its current use. The restriction preventing a property's full development in accordance with generally applicable standards may result in a significant reduction in the owner's annual property tax bill. Furthermore, the restrictions that accompany a conservation easement may serve to enhance the property's appeal by assuring its uniqueness in comparison with other neighboring properties.

In those cases where a property owner cannot realize the full benefits of an outright donation, the bargain sale offers an alternative approach. In a bargain sale the owner agrees to sell an easement (or full title) at less than its full value. This approach effectively reduces the cost of acquiring an easement while providing the seller with both a cash award and a charitable deduction (the value of the deduction being equal to the difference between the easement's full

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assessed value and that of the sale price).

The value of a conservation easement is highly variable. They have ranged from five to over ninety-five percent of a property's full assessed value. In general, the value of an easement is considered to be the difference between the property's value with and without the encumbrances imposed by the easement. Qualified appraisers should be consulted to determine the impact of a conservation easement on the value of the Giese Farm prior to undertaking any efforts toward defining which approach to pursue.

Standards and Guidelines

As the holder of the conservation easement, the Gresham Historical Society will be required to review proposed alterations and other kinds of treatments that may impact the farm's historic fabric. The easement should stipulate specific procedures and standards for reviewing all such actions. The Secretary of the Interior's Standards for Historic Preservation Projects provides standards and guidelines for evaluating the appropriateness of certain activities or treatments involving historic properties listed in the National Register of Historic Places. (The general standards as well as the specific standards for preservation are listed in Appendix C.) These standards should be adopted as the basis for determining the appropriateness of any proposed treatment. While a few general rules apply to all resources, most treatments need to be evaluated on a case-by-case basis.

Applying these standards to specific issues is not easy. It

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requires a thorough knowledge of the resource's important physical characteristics and how a proposed activity may effect this. A few examples may serve to illustrate the need to carefully consider the full effect of seemingly minor treatments.

Consider, for example, the impact that would occur from paving the farm's driveway with asphalt. It would be an obvious intrusion upon the farm's visual appearance and inappropriate with its allusion to a rural, agricultural landscape. While the desire for a paved driveway may seem reasonable enough, the material chosen is wholly incongruous with the existing color, texture and character of the driveway. Substituting asphalt with some other material which more closely approximates the color and texture of the existing gravel bed (such as concrete with an exposed aggregate finish) might be an acceptable solution.

As a second example, consider the effect that would occur from a wholesale rejuvination of the old filbert trees, especially those within the area west of the farmhouse which are highly visible to passers-by. The visual clues which bespeak of the orchard's age would be destroyed. Uniformity in stages of growth is not characteristic of an old orchard wherein trees die, are damaged and replaced. Certainly the trees deserve the best possible care that is available, but a heavy-handed approach should be avoided.

By contrast, included here is what I consider to be an appropriate treatment to a potentially real concern. If maintenance of the filbert orchard is to be kept within reasonable limits, assuming that the City will want to limit their involvement, it may be desisrable to

requires a chorough browledge of the resource's important payeical contractant and how a propessi activity may affect this. A few campies may sarve to illustrate the rest in carefully constder the fall effect of seemingly alsor treatments.

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By contrast, included here is what I consider to be an appropriate treatment to a pelacticity was concern. If maintenance of the filipert crehard is to be kept within resembled limits, essenting that the City will want to limit their fact foreigness, it may be designable to

discontinue the practice of tilling the orchard's grounds and instead permit it to be maintained as a lawn. Certainly this activity has no historical basis, but its impact in comparison to the benefits acheived weigh in its favor. (Presumably, the owner would be responsible for periodically mowing the lawn.) Moreover, the effect of this action is entirely reversable; the lawn could easily be tilled several years later without harming the filbert trees.

These three examples are intended to illustrate the range of variables that need to be considered in evaluating proposed actions.

These actions involve both design considerations (e.g., the color, texture and character of an asphalt driveway) and maintenance activities (e.g., discontinuing the practice of tilling the orchard's grounds).

Listed below are a series of specific guidelines which address the particular needs of the Giese Farm's major components.

Filbert Orchard

The orchard's design, which is based upon the square system with
the trees spaced at intervals of twenty to twenty-four feet, must be
maintained. There is one exception to this rule. Within the northeast
corner of the farm the trees are spaced about fifteen feet apart; this
interval should be maintained within this area.

The variety of each filbert tree (e.g., Barcelona, DuChilly and Nottingham) should be accurately determined and plotted on a site plan.

In the event that a tree dies or is severely damaged, it should be replaced with another tree of the exact same variety. In order to

printed to be entrated of cilific the mended's promite and factor points to be entrated as a lawn. Extratory this entrates has no consistent injects, but the deposit in conjunction to the present instances with the first promite. (Examinably, also order would be responsible for protection to perfect the first tends) increases, the effect of this action to contact the factor of the action to contact the first contact that action the contact has the filter freezes.

Those there exact to be equalished to evaluating proposed actions.

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The orchard's design, which is based'upon the ordars system with the treat spaced at intervals of owners of tenery-loar fact, must be estated and. There is not emergical to this rule, within the northeast create of the face the treat are spaced offset information fort spart; this return about be melacated within this area.

The variety of each filters true (e.g., Marcolcos, Society and socialization) should be accountely ownering and plotted on a site plan. I like event that a tree dies or is percently samped, it should be valued by the social tree of the court offic variety. In order to

insure that a progeny exists, cuttings should be propagated and deposited with the Northwest Germplasm Repository or maintained at some other suitable location.

Maintenance of the filbert trees should be performed regularly; this includes removing suckers, pruning out the old limbs and treating damaged or diseased parts. The practices employed should be of the highest standards currently available.

No permanent structure or incongrous plantings should be permitted within the area devoted to the orchard. Incongruous plantings include ornamental trees or shrubs and wild trees, shrubs or vines; it does not include cover crops, lawn or existing fruit and nut trees.

Farmstead

The location and orientation of each building should be maintained. Alterations to the farmhouse or workshop must not destroy the character of the building's architectural style or impinge upon existing external circulation patterns or spatial relationships between other buildings or spaces. No new buildings or structures should be permitted to be constructed.

The design and function of the various spaces surrounding the farmhouse should be maintained. This is especially important for the service yard, which includes a well, cistern and root cellar. The existing planting materials should be maintained; changes, however, are permissible provided that the new plantings are compatible with the visual character of other plants within the same area.

insure that a prognay dutate, cottlege should be proposed and deposited with the Northwest Correlées Expository or adictained at some other switchis logation.

interconce of the filbert trees should so parlored regularly;
this includes removing awders, proving our the old limbs and treating
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The location and orientation of mach ballding should be salidated. Alterations to the forebours or workshop must not destroy the character of the building's architectural style or implays upon saliding external circulation patterns or aparts; relationables between boards buildings or apaces. No see ballsings or arrectures abuuld no becauted to be constructed.

The design and tonotion of the various emptod surrounding the internates about an emptodisting. This is especially important for the service yard, which includes a well, editors and noot deliar. The existing planting materials about to employing thinges, however, are remarkable provided that the new plantings are computable with the classics of other plants within the erro eres.

The buildings should be used in a manner appropriate or compatible with their current or historical use. Restoration or reconstruction should be based upon authenticated evidence; although neither are absolutely required. Any alteration should take precautions to protect adjoining features or elements which may be historically or architecturally significant, and should be fully documented with verbal descriptions and graphic representations.

Alterations to the interior spaces of any building, except the worksnop, are permissible provided that they do not negatively effect the building's overall form, fenestration or structural integrity.

Immediate stabilization and protective treatments are required to protect the workshop from further deterioration. These treatments include making repairs to the building's foundation and structural members, making repairs to the building's envelope and taking security measures. Regular maintenance should be performed on all buildings.

Conclusion

The basic intent of this proposal is to protect the visual character of the Giese Farm. The includes the farm's individual elements — trees, shrubs and other plantings, buildings and structures, walks and driveways —as well as their spatial relationships. These collectively contribute to the farm's overall historical appearance as a remnant of a rural, agricultural landscape.

Through the use of relatively simple tools, it is entirely possible to perpetuate the usefulness of the Giese Farm and retain its

The buildings should be used in a manous appropriate or compaction with their current of bistorical was. Restaration or reconstruction should be based upon authoricated evidences sithough bettiner are assolutely required. Any electrical should take precaptions to protect edicates features or alcounts which may be bistorically or schiltenturally significant, and should be fully documented vitu varial secritations and graphic representations.

Alterations to the interior spaces of any hundring, except the sociance, are paraistic provided that they do not unjustically effect one hulding's overall form, impactantly or attractural integrity.

[mandians stabilization and protective treatments are required to receive the workaboy from further desertoration. These treatments actually making repairs to the hulding's foundation and structural manders, earlag repairs to the hulding's reveires and taking security manages. Engular maintenance should be reveired on all hulding accurate.

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Through the use of relatively simply codes, it is entirely possible to perpetuate the usefulness of the Char Para and relate to

character as a historic landscape for many years to come. Nevertheless, these measures cannot be expected to preserve the Giese Farm forever; time will take its toll on the farm's living elements no matter how much effort is taken to maintain them. By slowing the pace of the farm's transformation, to one which more closely approximates the natural process of aging, we can pass along to future generations remnants from both our past as well as remnants from today.

Postscript

The duty of a historic preservationist is to identify and help to preserve elements of our cultural heritage. We pursue historical truth with dogged determinism, if only to justify what we intuitively sense. When the evidence fails to support our contentions, we can remain steadfast and continue to seek ways to justify our belief or we can find solace in the fact that we've discovered something that previously existed largely unrecognized.

This study began with the hopeful pretense that it would prove a somewhat popularly held notion. This notion concerned one of the buildings on the Giese Farm; what I have referred to in the course of this study as "the workshop" was originally presented to me as "the Percy Giese pioneer cabin." In spite of my desire to accept this determination off handedly, the historical evidence simply did not permit it. What the historical evidence did reveal, however, was the significance of the farm as one of the birthplaces of a regionally significant industry.

character as a bistoric isodecape for many years to come. Devertibeless, these consults cannot be expected to present the classic particles will take its toll on the form's living elements on matter one much mitter in taken to maintain them. By additum the pain of the term's crandormation, to one which move closely approximates the authorization, to one which move closely approximates the authorization of aging, we can pass along to future posterious remonsts itself and contract of the contract of the contract.

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To me, discovering the significance of the Giese Farm as a place has had far greater meaning and impact than I would have expected. It has revealed numerous nuances of cause and effect with regard to the physical development of our built environment. It has established connections in time and place that a singular structure rarely offer. Moreover, it has opened my eyes to the particularities of place.

There is still a fundamental lesson to be learned from this study. It is that if we truly hope to discover our heritage, we must be willing to look at the whole of our surroundings. Moreover, although intuition can serve to benefit, we must let the evidence be our guide and work on perfecting our skills at identifying more ways to reveal historical evidence.

to me, preceding the eleptropose of the fine two to a place can be far two for greater manifor and impact that I won't have expected. It has revealed summarious encodes of cause and effect with require to the physical development of our best better environment. In has established contents a confidence of place. Note an opened my spee to the performantion of place.

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Notes

1For a review of a wide range of land-management strategies see: U. S. Department of the Interior, New Tools for Land Protection: An Introductory Handbook (Washington, D.C.: Government Printing Office, 1982). Other, more detailed, studies include: Montana Land Reliance and the Land Trust Exchange, Private Options: Tools and Concepts for Land Conservation (Covelo, California: Island Press, 1982); William Toner, Saving Farms and Farmland: A Community Guide, Planning Advisory Service Report Number 333 (Chicago: American Society of Planning Officials, 1978).

2"Defining a Sense of Place", The Southern Quarterly 17 (Spring-Summer 1979): 24-46.

3Ibid., p. 30

⁴Robert Utley examines the schism between principle and practice, and identifies four "urges" that conflict with the idea of preservation as stewardship; see: Robert M. Utley, "A Preservation Ideal", <u>Historic Preservation</u>, 28 (April-June 1976): 40-4.

⁵Michael Middleton, "Perspective on Preservation" in Preservation: Toward and Ethic in the 1980s, Recommended Goals from a National Preseration Conference at Williamsburg, Virginia in March 1979 (Washington, D.C.: The Preservation Press, 1980), p.72.

6volume 2 of the Gresham City Development Plan states that it is the City's policy to acquire historic and cultural sites for inclusion in the City's park system. Although this policy seem overly ambitious, to utilize City services to protect community resources seems both justifiable and prudent.

 $^7{\rm This}$ figure was determined using the formula outlined in Section 2.0110 and 2.0112 of the City's Development Code.

8These include Oregon's farm tax-deferral program, the 15 year property tax freeze available for properties listed in the National Register of Historic Places and Gresham's Historic District Ordinance.

9 Oregon Revised Statute 271.715(2)a & b.

10For a review of what is involved in establishing a conservation easement program see: National Trust for Historic Preservation, "Establishing an Easement Program", <u>Information Sheet Number 25</u> (Washington, D.C.: By the Author, 1982).

11 Ibid., pp. 5-6.

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Proceeding a Same of Place", the Southern Contactly 17 (Syring-Southern Contactly 17 (Syring-Southern 1979): 18-46.

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"Michael Middleton, "Perspective on Newerwellon" in Presspection; Toward and Emile in the 1980s, Assumenced Costs from a Street Presention Conference at Williamburg, Wighten in March 1979 (Meanington, D.C.: The Presentation Press, 1980), p.72.

Spolume 2 of the Greater City Development Flor winter that it is the City's policy to acquire believele and colleged when a including to the City's park system. Although this policy nees overly ambitious, to utilize City services to protect community restauring again both justifiable and graduat.

> This figure was determined using the locasis outlined in Scotton 2.0110 and 2.0112 of the City's Development Code.

Stocket include Oregon's farm tan-deferral program, the 13 year property tax freeze evailable for properties lighted in the Markovia Markovia District Ordinance, and Greakan's Mistoria District Ordinance.

Oregon Rawland Statute 271,715(2)s & b.

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APPENDIX A

STATISTICS ON HORTICULTURAL PRODUCTIONS

Number of Selective Classes of Fruit and Nuts Trees in California, Oregon and the Willamette Valley: 1890 - 1950

1890				
	California	Oregon	Willamette	Valley
Apples	1,269,784	1,268,395	956,249	(75%)
Apricots	1,442,749	856	50	
Cherries	236,945	51,277	7,784	(84%)
Peaches	2,669,843	115,244	22,956	(20%)
Pears	695,738	74,816	57,299	(77%)
Plums and Prunes	1,509,833	247,305	164,201	(66%)
1900				
	California	Oregon	Willamette	
Apples	2,878,169	2,825,898	1,665,703	(59%)
Apricots	4,244,384	10,869	1,796	
Cherries	686,891	237,155	163,651	(69%)
Peaches	7,472,393	281,716	67,294	
Pears	2,512,890	374,165	226,876	(61%)
	9,823,713	2,517,523	1,365,485	(54%)
Plums and Prunes Walnuts	701,426	7,201	5,963	

Note: California's yield for apples in 1899 was 3,488,208 bushels compared with Oregon's yield of 873,980 bushels. Presumably, many of Oregon's apple trees were old and thus produced a small crop.

1910	0-14610	Oregon	Willamette	Valley
Apples Apricots Cherries Peaches Pears Plums and Prunes	California 2,482,762 2,992,453 522,304 7,829,011 1,410,905 7,168,705	Oregon 2,029,913 10,656 223,456 273,162 273,542 1,764,896	1,013,697 461 140,262 65,947 152,535 1,247,485 7,893	(63%) (63%) (24%) (56%) (71%) (83%)
Walnuts	853,237	9,526	7,093	(03/0)

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Number of Selective Classes of Fruit and Nut Trees - Continued

California	Oregon	Willamette	Valley
3,128,386	3,315,093	1,057,113	(32%)
3,688,217	3,922	not availa	ble
not listed	395,073	248,740	(63%)
9,057,760	412,936	171,921	(42%)
2,305,646	727,444	170,756	(23%)
8,768,436	2,999,480	2,235,419	(75%)
1,274,434	88,686	84,582	(95%)
	3,128,386 3,688,217 not listed 9,057,760 2,305,646 8,768,436	3,128,386 3,315,093 3,688,217 3,922 not listed 395,073 9,057,760 412,936 2,305,646 727,444 8,768,436 2,999,480	3,128,386 3,315,093 1,057,113 3,688,217 3,922 not availa not listed 395,073 248,740 9,057,760 412,936 171,921 2,305,646 727,444 170,756 8,768,436 2,999,480 2,235,419

Note: 1920 was the first Census in which a distinction was made between bearing and non-bearing trees; the figures listed for 1920 and thereafter represent the number of $\underline{\text{bearing}}$ trees. There were a significant number of non-bearing plum and prune trees (1,331,606) and non-bearing walnuts trees (93,214) recorded for Oregon in 1920.

1930				
	California	Oregon	Willamette	Valley
Apples	2,870,417	1,641,101	590,769	(36%)
Apricots	5,585,496	27,649	1,474	
Cherries	974,876	446,106	304,439	(68%)
Peaches	10,222,215	222,001	118,283	(53%)
Pears	5,644,227	1,005,188	186,559	(19%)
Plums and Prunes	16,668,590	5,292,900	3,859,097	(73%)
Walnuts	2,032,021	231,881	220,061	(95%)
Hazelnuts	707	192,578	189,931	(99%)

Hazelnuts were listed for the first time in the 1930 Census.

1940	California	Oregon	Willamette	Valley
Apples Apricots Cherries Peaches Pears Plums and Prunes Walnuts Hazelnuts	California 1,969,449 4,778,741 954,677 6,645,718 4,203,134 12,915,324 2,352,129 2,458	931,873 42,629 714,676 347,616 1,078,847 3,580,434 480,975 793,143	360,113 1,631 461,391 212,835 174,688 2,737,777 450,662 771,559	(39%) (65%) (61%) (16%) (77%) (94%) (98%)

Bunder of Selective Classes of Fruit and Mar Trees - Continued

Note: 1920 was the first Course to which a challection was made account to the contract of the course of the 1920 and contract or represent the number of maring trees. There were a significant number of non-hearing trees. There were a significant number of non-hearing plus are order trees (1/311,000), and not dearing valouts trees (93,114) recorded for Oregon in 1930.

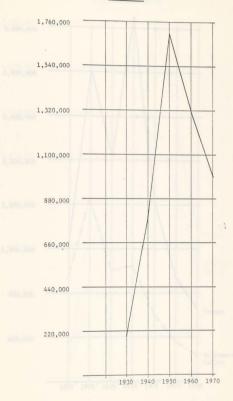
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Number of Selective Classes of Fruit and Nut Trees - Continued

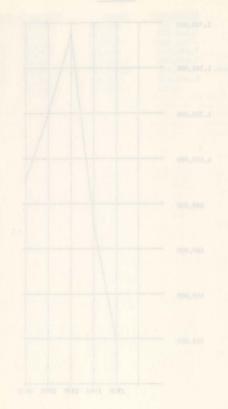
Apples	California 1,635,986	Oregon	Willamette	Valley
Apricots Cherries	3,348,873	662,769 42,366	234,768 2,091	(35%)
Peaches Pears	7,672,067 3,902,328	749,024 448,886 1,208,222	446,322 270,916 98,672	(60%) (60%) (8%)
Plums and Prunes Walnuts Hazelnuts	9,998,135 2,544,055 2,173	2,142,249 488,014 1,706,369	1,622,912 460,317 1,691,495	(76%) (94%) (99%)

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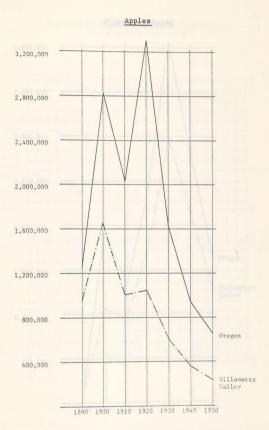
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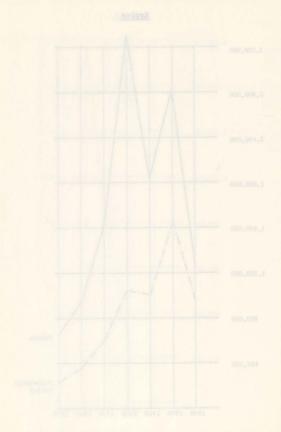
Total Number of Bearing Trees in Oregon: 1930 - 1970 (Source: U. S. Census of Agriculture)



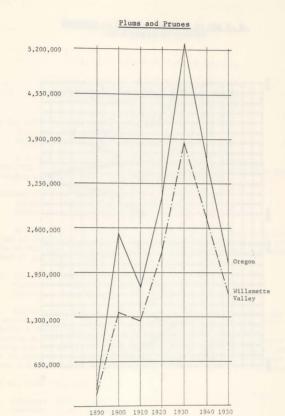
foral Number of Bearing Trees in Ocegon: 1830 - 1970 (Source: U. S. Census of Agriculture)



Total Number of Bearing Trees in Oregon and the Willamette Valley, 1890 - 1950 (Source: U. S. Census of Agriculture)



Total Number of Seating Tream (a Cragos and the Williamstra Valley, 1890 - 1950 (Seates: U. S. Causes of Astrochiums)



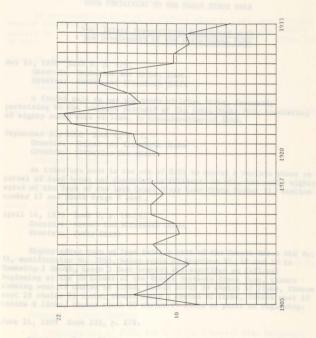
Total Number of Bearing Trees in Oregon and the Willamette Valley, 1890 - 1950 (Source: U. S. Census of Agriculture)

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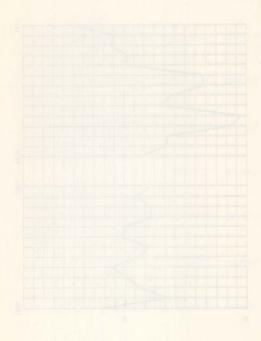


Porel Momber of Bearing Tream is Oragon and the Millemette Valler, 1890 - 1950 (Source: U. S. Crosce of Agriculture)

Quantity of Filberts Imported to the U. S. (in millions of pounds)



Source: USDA Agricultural Yearbook 1923 and 1935, and The Oregon Grower, Vol. 2, No. 1, p. 12 (August 1920)



Source; DSDA Agricultural Pearlook 1923 and 1930; and The Oregon Grower, Vol. 2, No. 1, p. 12 (August 1920)

APPENDIX B

DATA PERTAINING TO THE PERCY GIESE FARM

Real Estate Transactions Associated with the Development of the Percy Giese Farm

May 24, 1859 Book B, p. 478.

Grantor: Catherine Ann Hicks, admx. Grantee: Ernest and Elizabeth Giese

A forced sale to pay the debts of Laban Hicks, deceased; pertaining to the southern one-half of the Laban Hicks DLC, consisting of eighty acres more or less, in consideration of \$240.

September 10, 1860 Book C, p. 7.

Grantor: Ernest and Elizabeth Giese Grantee: Catherine Ann Hicks

An indenture made in the sum of \$250 to convey a certain piece or parcel of land known and described as follows: to wit, the south eighty acres of the land of the late Laban Hicks Land Claim Number 51, Section number 17 and South Range 3 east.

April 14, 1873 Book W, p. 69-70.

Grantor: Ernest and Elizabeth Giese

Grantee: Percy Giese

Eighty acres more or less being a part of the Ernest Giese DLC No. 71, notification No. 7055, being parts of sections 17, 18 and 19 in Township 1 South, Range 3 East bounded and described as follows: Beginning at the SW corner of the Ernest Gustavio Giese Farm, thence running west 18 chains 68 links, thence north 38 chains 57 links, thence east 28 chains 75 links, thence south 7 chains 82 links, thence west 10 chains 8 links, thence south 30 chains 75 links to point of beginning.

June 21, 1889 Book 123, p. 278.

Grantor: Percy Giese Grantee: Thomas Ellingham

In consideration of \$1200, a certain piece of real land being a part of the Ernest Giese DLC . . . sections 17, 18 and 19 in Township 1 South, Range 3 East . . . containing eighty acres more or less. (Same parcel as described in Book W, p. 69-70 with minor adjustments.)

Real Estate Transactions - Continued

April 24, 1891 Book 156, p. 368.

Grantor: Percy Giese Grantee: Christian F. Ruegg

In consideration of \$177, a certain piece of real land situated between the northern one-half of the Laban Hicks DLC and the eastern boundry of the Ernest Giese DLC containing ten and one-half acres, more or less.

April 20, 1907 Book 387, p. 239

Grantor: Percy Giese Grantee: H. Lampert

A tract west of the county road and bordering on the Ernest Giese DLC.

October 24, 1907 Book 405, p. 233

Grantor: Percy Giese Grantee: Margaret McAdam

Tract of land lying between the eastern border of the Giese DLC and the county road, containing three and one-eight acres, more or less.

March 4, 1908 Book 415, p. 104

Grantor: Percy Giese Grantee: Earl Bort

In consideration of \$1135, a tract of land lying between the eastern border of the Ernest Glese DLC and the county road, containing seven and one-half acres, more or less.

July 24, 1908 Book 425, p. 263

Grantee: Percy Giese Grantor: Elenor Fonseca

In consideration of \$300, Lot 1 of the Pleasant View Boulevard Acre Tracts, containing one acre more or less.

Sanstrant - analyzaness Test

April 24, 1891 Book 156, p. 188,

Grantor: Percy Class

In consideration of \$137, a certain piece of real land attented between the parthern one-ball of the labou Hicks OLC and the certain soundry of the Erosaf Gless DLC containing two and one-ball acres, sore or less.

April 20, 1907 Book 387, e. 230

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OCCUPANT 24, 1907 BOOM 405, p. 211

Grantor: Percy Class Grantes: Margaret McAda

Tract of land lying belong the eastern backer of one diese bld

March av 1908 Sook AlS, p. 104

Orantor: Percy Olege

In consideration of \$1135, a tract of ison lying between the castern border of the Ernsat Glass Did and the county rout, containing away and one-half scree, note or less.

July 26, 1908 Rook 625, s. Day

Grantent Percy Class.

In consideration of \$100, Lot 1 of the Pleasent View Soulavard Acra Tracts, coolsising one sore most or less.

Real Estate Transactions - Continued

October 12, 1908 Book 436, p. 62

Grantor: Percy Giese Grantee: George A. Davis

Lot 18 of the Causey Suburban Acres Tract.

April 6, 1909 Book 450, p. 251

Grantor: Percy Giese Grantee: Burber

Lot 25 of the Causey Suburban Acres Tract.

April 6, 1909 Book 450, p. 250

Grantor: Percy Giese

Grantee: Sievers

Lot 16 of the Causey Suburban Acres Tract.

July 2, 1909 Book 462, p. 250.

Grantor: Percy Giese Grantee: Simmonds

A lot in the Causey Suburban Acres Tract.

February 2, 1910 Book 486, p. 216.

Grantor: Percy Giese Grantee: Weber, et. al.

In consideration of \$650, lots 11, 12, 13, 27 through 30 of the Causey Suburban Acres Tract.

February 5, 1910 Book 482, p. 160.

Grantor: Percy Giese Grantee: Simmonds

Lots 14 and 15 of the Causey Suburban Acres Tract.

countract - sucleasement system insi-

October 12, 1908 Sour eld, p. 62

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APELL S. 1909 BOOK \$50, p. 251

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April 6, 1909 Rook 400, p. 250

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west to and the course business acres for the bar at some .

Real Estate Transactions - Continued

February 7, 1910 Book 485, p. 250.

Grantor: Percy Giese Grantee: Gangloff

Lots 3 through 10 of the Causey Suburban Acres Tract.

June 14, 1910 Book 503, p. 46.

Grantor: Percy Giese Grantee: F.G. Miller

In consideration of \$1200, a tract of land lying between the eastern boundry of the Ernest Giese DLC and the county road, containing three and five-eights acres more or less.

May 14, 1920 Book 735, p. 375-6.

Grantor: Percy Giese

Grantee: Joseph H. and Clara Y. Corben

In consideration of \$4,335, a certain piece of real property described as follows: to wit: Beginning at the northwest corner of a tract of land known and recorded as the Gausey Suburban Acre Tract, the same being a part of the Laban Hicks DLC situated in section 17, township 1 South, range 3 East, thence north 21 rods; thence east 39 rods; thence enorth to the north line of the Percy Giese farm, the same being the south line of the C.F. Ruegg farm, thence east to the intersection with the east line of the said Laban Hicks DLC, thence south tracing said line to the northeast corner of the said Causey Suburban Acre Tract, thence west tracing the north line of said Causey Suburban Acre Tract to place of beginning, the above described parcel of land containing nineteen and one—half acres more or less.

bauel leters Present - Continued Land

February 7, 1910 Book 683, p. 250.

GENETO ANIAL INCIDENCE

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June 14, 1910 Book 505, p. 46.

PROPERTY PARTY CLASS

In consideration of \$1200, a read of land lying belongs the mestern boundry of the Eroset Glass Old one the country road, contraining tunks and five-style some of the loss.

May 14, 1920 Rook 735, p. 375-5.

Description of the same

Contact. Joseph H. and Clara V. Corpus

In consideration of \$4,30, a certain piece of real property described as follows: to wit beginning as the noticionar corner of a street of task knows and recorded as the Colony Suburban Arm Tract, the mass being a part of the laber Block bill situated in excitant 17, towering 1 south, range 1 hast, common north 21 colon; thence each 19 course in the colon bise of the later Colon bise of the later than being the south the of the Colon bise of the south than of the Colon bise of the south later than the colon bise of the south later than the south the colon bise of the south than the south that the colon bise the south than the south that the so

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Real Estate Transactions - Continued

August 6, 1937 Book 411, p. 42.

Grantors: Frank and Edith Brickell, and Percy and Alida Giese Grantee: Bruce H. and Ruby A. Dirks

In consideration of \$10, . . . beginning at a point in the East line of the County Road, said point being the northwest corner of tract platted as Causey Suburban Acre Tracts in section 17, Township 1 South, Range 3 East; thence northerly along the east line of county road to the north line of the Percy Giese farm, the same being the south line of the C.F. Ruegg farm, thence easterly to intersection with the east line of Laban Hicks DLC, thence south tracing said line to the northeast corner of said Causey Suburban Acre Tracts to the place of beginning, containing twenty-four acres, more or less.

April 11, 1945 Book 923, p. 82.

Grantor: Ruby Dirks

Grantee: John and Gertrude Wicks

Same property as described above.

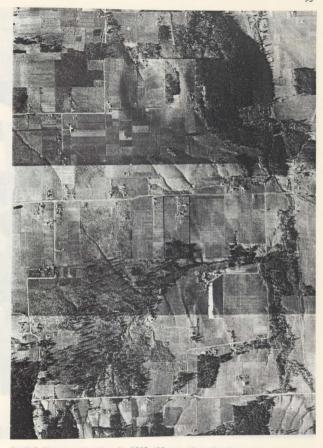
August 5, 1937 Rook Kill, p. 42.

Drauters: Frage and Milto Determine, and Percy and Alian Glane

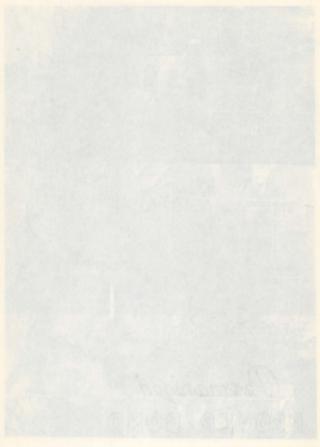
In consideration of 110, . . . beginning at a point in the fast placed the Country Road, said maint baids the corchwest corner of trace placed as Gruesy Suburben Acre Traces in secreto 17. Township I South, marga I Read therees northers yellow the east like of country Tode to the corth like of the Farry Olear Ires, the more being sing nouth like of the Co.T. Nuesgy fare, theore essetarly to internaction with the cart like of the state like in the cart like of the corthers before the control of the cart like of the corthers of card Country Suburtses data Tracte to the place of beginning, containing twenty-four stress, now or less.

AVELL II, 1965 BOOK 923, n. 82.

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Aerial Photograph taken in 1935 illustrating the Percy Giese Farm. Source: U. S. Army Air Corp, Columbia River Project

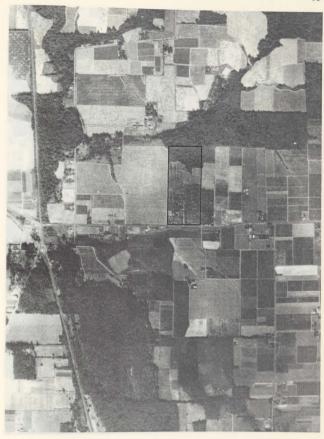


Asrial Photograph takes in 1935 illustrating the Percy Clean Nace. Sources W. S. Army Mr. Corp. Columbia Place Project

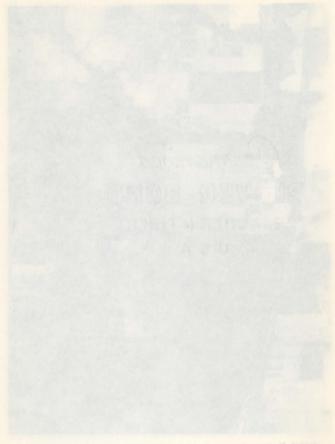


Aerial Photograph taken in 1948 illustrating the Percy Giese Farm. Source: U. S. Soil and Conservation Service

Source; U. S. Soil and Conservation Service



Aerial Photograph taken in 1955 illustrating the Percy Giese Farm. Source: U. S. Soil and Conservation Service



Auries Photograph taken in 1915 illustrating the Darrick Service Sources U. S. Boil and Discenticality Service



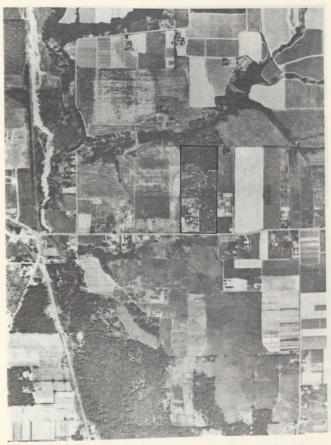


Aerial Photograph taken in 1963 illustrating the Percy Giese Farm. Source: U. S. Soil and Conservation Service



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Aerial Photograph taken in 1970 illustrating the Percy Giese Farm. Source: U. S. Soil and Conservation Service





Aerial Photograph taken in 1982 illustrating the Percy Giese Farm. Source: WAC Corporation (Eugene, Oregon)

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The following is the text of a newspaper article provided by Mrs. Jane Truman of Gresnam, Oregon (March 1984).

"Gieses Have Been Here Since 1853"

Determination will carry a person far. Without it John Henry Ernest Giese, a "tenderfoot", would never have wrested health and happiness from the wilds of the uncharted Oregon woods. His will power and the trust of his good wife, Eliza Jane Ryer Giese, brought them through sorrows and hardships to that goal.

Born in Hamburg in 1815, Ernest Giese came to New York when a young man. There he plied his tailor's needle and married Miss Ryer, a fine seamstress, born and raised in the city and unused to any other life. The young couple moved to Louisville, Kentucky where they established themselves in a tailor shop. All went well until the husband's health failed and he was forced to seek employment less confining. Selling his business, he left Louisville with his wife and three small children early in 1853.

The plan was to go to Oregon territory and become a farmer. But the prarire schooner trip was not to be considered. The family physician would not consent to it. So the Gieses were traveling over the Baltomore [sic] à Ohio railroad from Kentucky to New York where they would take passage on a vessel bound for Panama. Their heavy luggage, together with an ax, a spade and a plow, was sent around the Horn.

Misfortune soon overtook them. As their train climbed through the Allegnanies the car in which they rode left the track and was precipitated into a rocky canyon. They were all terribly injured and one small daughter was killed. The baggage cars also were demolished, so they were without trunks. The mother showed great heroism. Severely lacerated and after the railroad company had replaced some of the lost baggage they continued to New York and sailed for Panama.

The trip across the Isthumus was thrilling--partly by rail, partly on mules. The children made the trip in the arms of natives. Followed then the rough coast voyage to San Francisco where a new gold excitement beckoned all comers to the mines. But the Gieses' quest was for health and not gold, so they took boat again, arriving in Portland in the summer of 1853, shortly before Percy Giese was born.

Ernest Giese located his donation land claim that summer. It adjoined the Linnemann claim in the heavy cedar woods. With his one hundred dollars capital, Mr. Giese hired men to help him clear an acre of ground and build a log house. While the cabin was being finished, Mrs. Giese and the little children were cared for at the Gates home, two miles to the west on the trail to Portland.

There was no sweep of sunny valley then as there is now at Linnemann Junction. When the Gleses wished to see the sky, they looked straight up. . . . unless money was forth comming for flour. So the father followed Mr. Linnemann's example and went to Portland to work in a tailor shop to earn the money to clear his land. For two years or more he worked at his trade, making weekly trips home over the Powell Valley trail, heavily loaded with provisions. Eliza Ann Giese, the

exquisite needlewoman, swung an ax and cooked and made over garments for ner growing family. In 1857 another daughter, Anna Cora, was born.

Gradually a start was made at farming. A pig or two were bought and fattened. When the first hog was slaughtered Mr. Linnemann, neighbor and tailor, assisted Mr. Giese in the ordeal. When Mr. Linnemann insisted that they scarpe [sic] off the bristles they made a valiant attempt with large knives. Finally in desparation they lathered the porker, got out their razors and shaved it clean. Mr. and Mrs. Giese received their first lessons in milking a cow from Grandma Linnemann.

As soon as he dared make the venture Mr. Giese bought two oxen, hitched them up to the plow that had sailed around Cape Horn, and began farming in earnest. He made a good farmer, too. And his apple orchard was one of the best in the county. No scale or pests bothered those early apples. They were beauties and the memory of those first apples, fired in home-cured bacon, is one of the pleasantest to the family. Mr. Giese's cider mill, press and cellar were quite famous. Orders for vinegar came from many Portland institutions.

In the first years there was no opportunity for schooling, so Mrs. Giese taught her family the alphabet, multiplication tables and the few other things she had been taught before the days of co-education. Later the children attended Mr. Cailey's school in Pleasant Valley with the Cathey's, Cor-..., Jennes and Albrights. The nearest church services were held at Fairview and later at Gresham. The ox team hauled them to church.

Once a year Mrs. Giese and her daughters made the bumpy trip to Portland for calico and muslin. The heavy silks of Mrs. Giese's trousseau were unsuitable in the wilderness. Miss Cora Giese has some of them now in cedar chests in her cozy home adjoining her Cedarville Park holdings. Except for the delightful, spicy camphor smell in the folds those gowns might have been fashioned a year ago instead of seventy-five years ago. There is not a crack or tear in the fabrics. And such Paisley and silk Cashmere shawls! There is needle work as fine as spider's web--baby caps, vestees and collars.

On those infrequent shopping trips one held on for dear life as the oxen and later the horses drew the wagon over the great roots in the crude roadway. Great trees, six feet across, barred the way. The ferry boat in Portland was paddled by two mules harnessed in a treadway. Where small farmhouses dot the way now, there was heavy timber. The Gates, Hamlins and Kellys had claims along the way. Father Kelly, beloved of all old-timers, kept open house for travelers. He had come in the early forties and owned a whole section of land. He was a familiar figure at the campmeetings.

It was to Father Kelly's home that a score of families fled during the Indian scare. Among them were Jake Moore and Jim Powell. He and Jas. Powell were nursing a grudge of long standing. When it seemed certain that savages were upon them Jake said, "Take care, James; if that be the Indians, I forgive you; but if they don't come the old grudge holds good!" Father Kelly saw to it that they buried the hatchet.

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In Civil War times new came slowly. Never in doubt as to the outcome, Eliza and Ernest Giese had stiched a fine large American flag to celebrate the Union victory. When the dire news passed from neighbor to neighbor of the assassination of Abraham Lincoln, the Gieses sorrowfully raised the new flag to half mast on their stout cedar flagpole. After Lincoln's burial they folded it away. It is a prized possession in the Giese home.

Up there on a sightly hill overlooking the Giese and Linnemann homestead sites Mr. and Mrs. Percy Giese have their home in the heart of the fine filbert orchard that is Mr. Giese's hobby and pride. As he recalls the salt-sack trousers, parched-wheat coffee and other makeshifts of those frontier days he appreciates his pioneer parents.

Miss Cora Giese has built herself a charming home with a wonderful garden in the grove near the depot. It is not far from the site of the first log house. The other surviving son, Arthur Giese, has lived in Portland for many years. Other relatives of a younger generation also live on portions of the Giese claim. Ernest Giese died in March, 1893, and Mrs. Giese in 1894. They are remembered as substantial members of the community they helped to build.

Written by Marion Dudley Eling (circa 1920).

In Civil Next tions now case simply. Mover in doubt on to the outcome, Hitch and Kronet China the best atter large marrices line to outcome, Hitch and Kronet China the circ outs passed from neighbor to the measurination of Archem Hitchin, the China contradition of the new China to the contradition of the new China to the contradition of the new China to the China the China

Up there on a nightly hill overlooking the Oisse and Lionewood notweeted elter Mr. and Mrs. Percy Glave have their house to the best of the Alexa chart the the Color of the house the house of hobby and pride. As he receils the sair-sack troopers, perches-enoit colors and other colors from the colors from the colors of the

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APPENDIX C

STANDARDS AND RESOURCES FOR MANAGEMENT

The Secretary of the Interior's Standards for Historic Preservation Projects

General Standards

- Every reasonable effort shall be made to provide a compatible use for a property that requires minimal alteration of the building, structure, or site and its environment, or to use a property for its originally intended purpose.
- The distinguishing original qualities or character of a building, structure, or site and its environment shall not be destroyed. The removal or alteration of any historic material or distinctive architectural features should be avoided when possible.
- 3. All buildings, structures, and sites shall be recognized as products of their own time. Alterations which have no historical basis and which seek to create an earlier appearance shall be discouraged.
- 4. Changes which may have taken place in the course of time are evidence of the history and development of a building, structure, or site and its environment. These changes may have acquired significance in their own right, and this significance shall be recognized and respected.
- Distinctive stylistic features or examples of skilled craftsmanship which characterize a building, structure, or site, shall be treated with sensitivity.
- 6. Deteriorated architectural features shall be repaired rather than replaced, whenever possible. In the event replacement is necessary, the new material should match the material being replaced in composition, design, color, texture, and other visual qualities. Repair or replacement of missing architectural features should be based on accurate duplications of features, substantiated by historical, physical, or pictorial evidence rather than on conjectural designs or the availability of different architectural elements from other buildings or structures.
 - 7. The surface cleaning of structures shall be undertaken with

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4. Charges which may have taken place to the course of the act evidence of the blainty and development of a building, objecting, or elle sed the evidencest. These charges may have imported significance to their one right, and this examinations whell be recognised and respected.

5. Distlactive explicits features or enemains of skilled craffedenship which characterise a building, erractors, or site, shall be record with seasilitying.

6. Deteriorated architectural functions shall be repaired Scher the repaired processor, the repaired the repaired processor, the cost account to the event repaired to research, the cost account to be a serior tenture, and sthat right publicles. Experimentally, design, color, tenture, and sthat right qualifies. Experiment of statistics of tentures architectural functional account of publications of publication architectural community of different studiestural elements from educations and statistics, or structures.

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the gentlest means possible. Sandblasting and other cleaning methods that will damage the historic building materials shall not be undertaken.

 Every reasonable effort shall be made to protect and preserve archeological resources affected by, or adjacent to, any acquisition, protection, stabilization, preservation, rehabilitation, restoration, or reconstruction project.

Specific Standards for Preservation

- Preservation shall maintain the existing form, integrity, and materials of a building, structure, or site. Substantial reconstruction or restoration of lost features generally are not included in a preservation undertaking.
- 10. Preservation shall include techniques of arresting or retarding the deterioration of a property through a program of ongoing maintenance.

Local and Regional Organizations Concerned with Conserving Cultural Resources

Historic Preservation League of Oregon P.O. Box 40053, Portland, Oregon 97240

Organized in 1976, the League's purpose is to encourage and support the advancement of historic preservation through education, planning and legislation. The HPLO operates Oregon Preservation Resource Center, 26 NW 2nd Avenue, Portland, Oregon 97209, which provides technical assistance and referral services.

Home Orchard Society

2511 SW Miles Street, Portland, Oregon

Founded in 1975, the purpose of the Home Orchard Society is to promote the science and culture of fruit-bearing trees, vines and plants; to provide educational programs encouraging the establishment of home orchards; and to preserve pioneer varieties.

The Nortwest Germplasm Repository (USDA) 33447 Peoria Road, Corvallis, Oregon 97330

Acquires and maintains, usually for scientific study, pioneer varieties of various cultivated plants. Contact Dr. Harry B. Lagerstedt.

Trust for Public Land

82 Second Street, San Francisco, California 94105

Organized in 1973, provides information on techniques and methods for organizing local land trusts. Especially interested in preserving agricultural land in the West.

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8. Every resecoshic utfost shall be adde to protect and preserve authorized by, or adjustation, and acquisition, " protection, authorized by, or adjust to any acquisition, protection, or adjust action, processation, relabelishments of project.

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