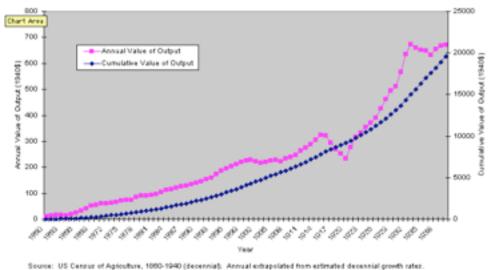


OUTLINE

- Industrial Food
- **II.** Farms in Berkeley?
- **III.** Waves of Gain
- **IV.** Canned Sunshine
- v. Bakers' Dozen
- VI. Hoof to Mouth
- **VII.** Driven to Drink
- VIII. Boss Skaggs
- **IX.** Industrial Inputs
- x. Capital Flows
- **XI.** Workers of the World

CALIFORNIA KING

California Agricultural Output Value, 1860-1940



Converted to \$1940 using CPI estimates. Millions of dollars.

The rise of agribusiness

California surges to the lead in output

Top Ten Farm States 1900-1997

1900	1910	1920	1930*	1940
Iowa	Illinois	Texas	Texas	Iowa
Illinois	lowa	lowa	Iowa	Texas
Ohio	Texas	Illinois	California	California
Texas	Ohio	Ohio	Illinois	Illinois
Missouri	Missouri	California	Kansas	Minnesota
Kansas	Kansas	Kansas	Nebraska	Ohio
Nebraska	Nebraska	Missouri	Minnesota	Wisconsin
Minnesota	Minnesota	Nebraska	Wisconsin	New York
Wisconsin	California	Minnesota	Missouri	North Carolina
California	Wisconsin	North Carolina	Ohio	Missouri

1950*	1960	1970	1987	1997
Texas	California	California	California	California
California	lowa	Iowa	Texas	Texas
owa	Texas	Texas	Iowa	lowa
Ilinois	Illinois	Illinois	Kansas	Nebraska
Minnesota	Minnesota	Nebraska	Nebraska	Kansas
Nebraska	Nebraska	Kansas	Illinois	Illinois
Kansas	Kansas	Minnesota	Minnesota	Minnesota
Visconsin	Missouri	Missouri	Florida	N. Carolina
Ohio	Wisconsin	Wisconsin	Wisconsin	Florida
Missouri]	Ohio	Ohio	N. Carolina	Wisconsin

^{*} California was briefly #1 in 1927 and 1947

Source: US Census of Agriculture, various years

THE FOOD INDUSTRY

- Processing = 2X farming
 - \$55 vs. \$27 billion (2000)
- CA led canning by 1900,
 ½ total \$ in 1946
 - ¼ of food workforce, 1945
 - US = ¾ world output

California Canning and Food Processing 1899-1992

CANNING (Fruit and Vegetables only)

	Firms	Employees	Output Value
1899	136	7,486	\$13,082,000
1909	196	7,757	32,915,000
1919	303	19,575	189,956,000
1929	389	29,958	220,465,000
1947	218	26,379	393,445,000
1963	192	25,060	856,002,000
1972	160	24,500	1,252,900,000
1987	124	19,100	3,609,709,000
1992	120	18,700	4,238,600,000

FOOD PROCESSING*

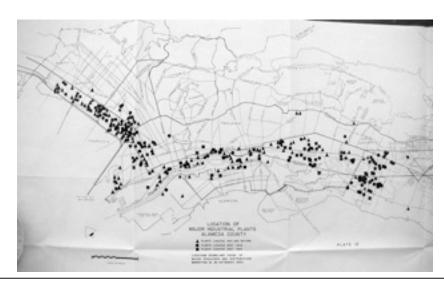
1899	1,476	16,149	\$89,110,000
1909	2,034	21,921	189,927,000
1919	3,035	51,233	695,535,000
1929	3,572	72,924	1,812,626,000
1947	2,803	120,510	1,104,038,000
1963	3,067	155,731	7,140,000,000
1982	2,536	173,500	31,263,000,000
1987	2,521	162,200	35,450,700,000
1992	2,751	170,400	44,296,600,000

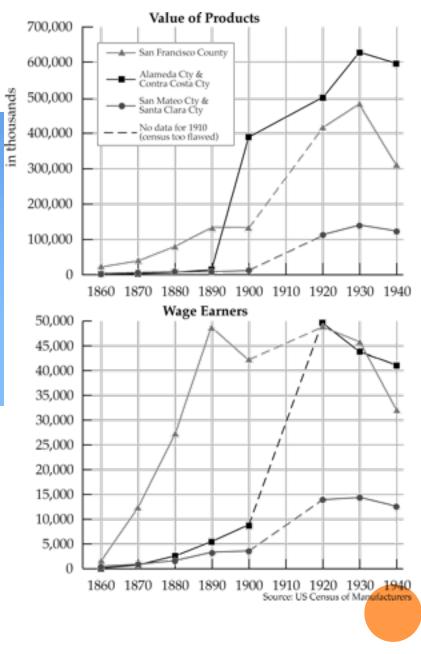
^{*} Food Processing as defined by US Census Bureau after 1940.
For earlier years, I have added all relevant categories. Sugar refining Had to be estimated.

THE EAST BAY -

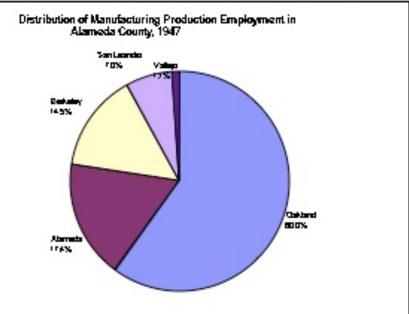
FOOD CITY

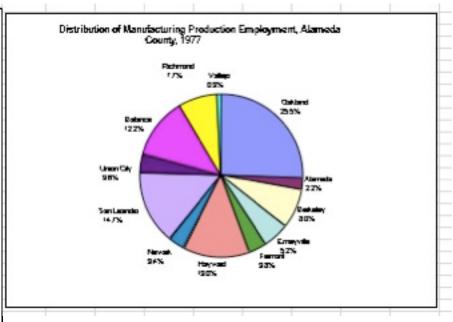






PEAK & DECLINE OF OAKLAND





OUTLINE

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BAY AREA HEARTLAND

- A. Origins
- B. Waves of Gain
- c. Specialization
- D. Innovation



BAY & DELTA – EARLY LEAD

	1870
1	San Jaoquin
2	Solano
3	Yolo
4	Santa Clara
5	Stanislaus
6	Sacramento
7	Sonoma
8	Alameda
9	Colusa
10	Monterey
11	Marin
12	Butte
13	Contra Costa

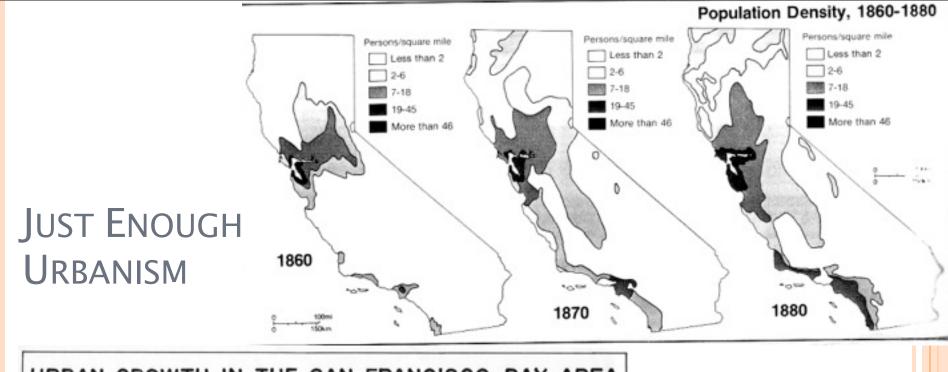
gs by value of farm products			
1899	1919	1939	
Los Angeles	LA	LA	
Fresno	Fresno	Tulare	
Santa Clara	San Joaquin	Fresno	
San Joaquin	Tulare	San Joaquin	
Sonoma	Sonoma	Kern	
Sacramento	San Bernadino	Stanislaus	
Alameda	Orange	Sonoma	
Solano	Santa Clara	Santa Clara	
Yolo	Stanislaus	San Berdo	
Tulare	Sacramento	Monterey	
	Riverside	Ventura	
		Orange	
		Imperial	

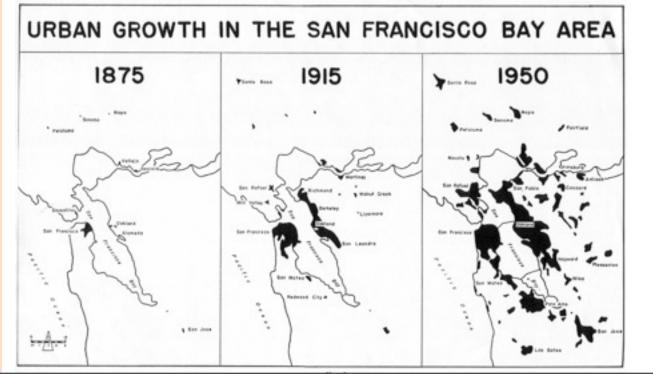




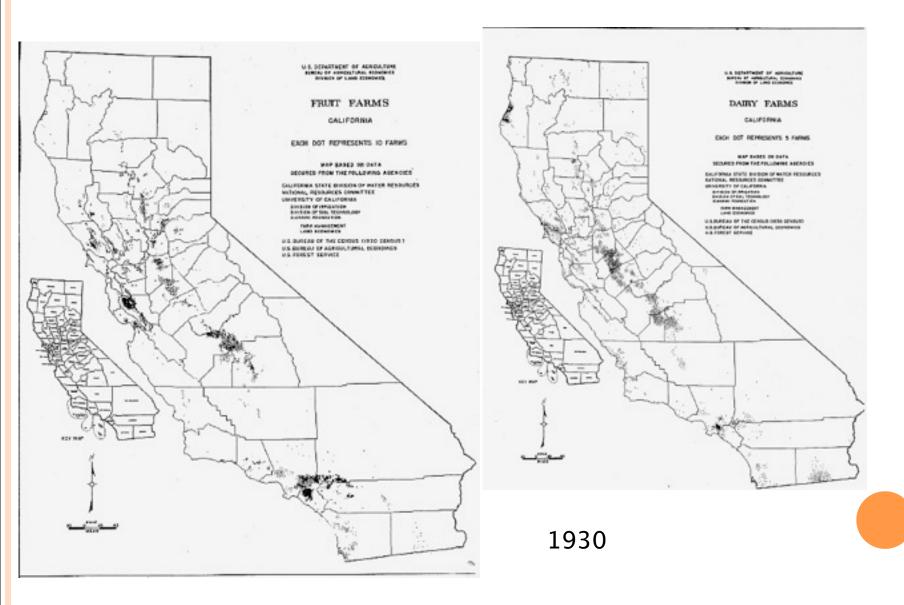








REGIONAL SPECIALIZATION



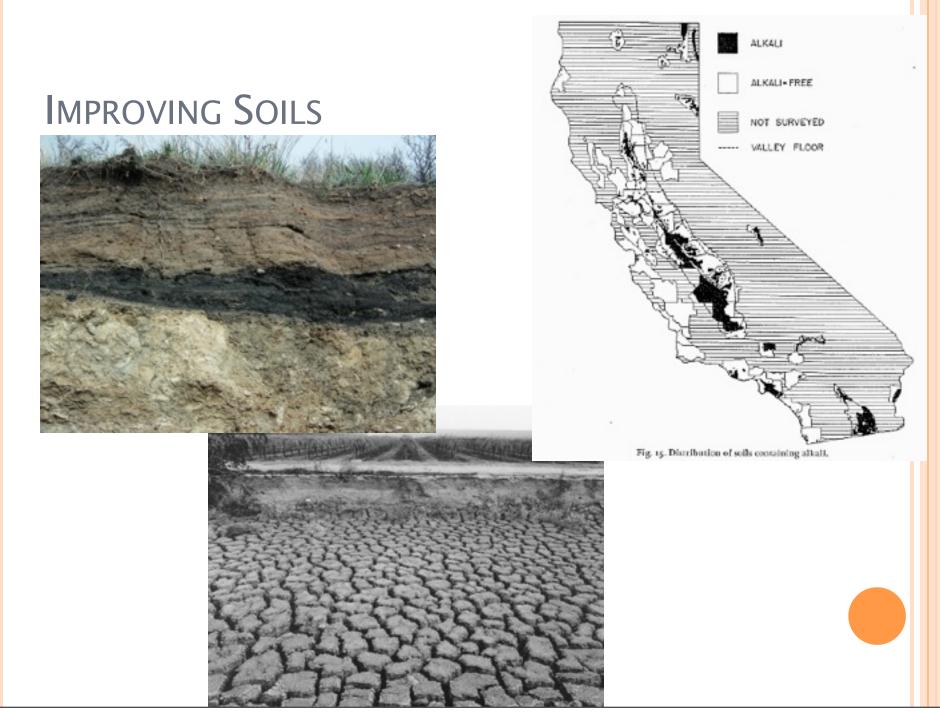
AGRICULTURE ALTERS THE LAND – CLEARING & LEVELING



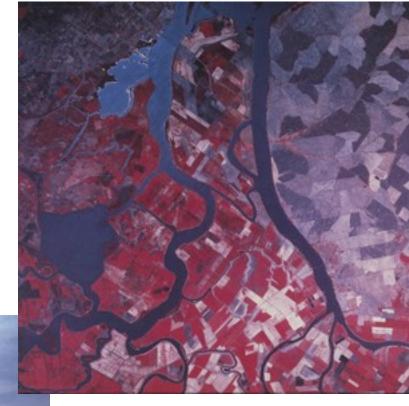








RECLAIMING WETLANDS





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- **XI.** Workers of the World

PLANT & ANIMAL INTRODUCTIONS

- Importing stock
- Early breeding





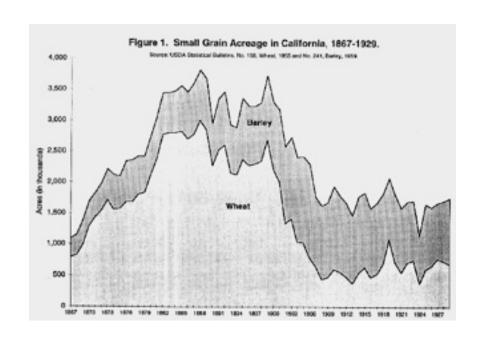


LIVESTOCK LEADERS





THE GREAT WHEAT BOOM, 1860–1900



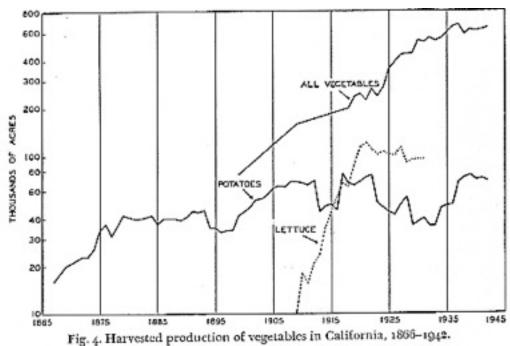


Chiefly in Bay Area and Sacramento Valley

FIELD CROPS

beans potatoes carrots sugar beets





Grapes

Deciduous fruits apples peaches plums apricots

Nuts walnuts almonds pistachios

FRUITS & NUTS

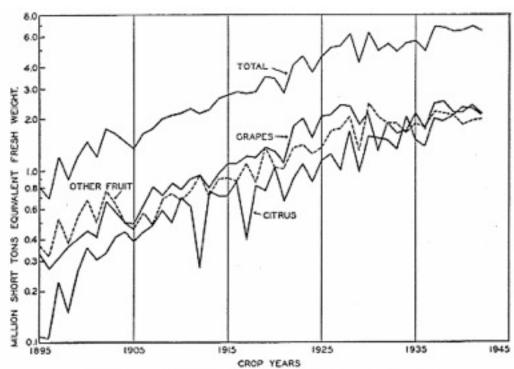


Fig. 6. Production of fruits and nuts in California, 1895-1942.

DECIDUOUS NORTH, PERENNIAL SOUTH





VEGETABLES & BERRIES

tomatoes lettuce, spinach, broccoli, celery artichokes

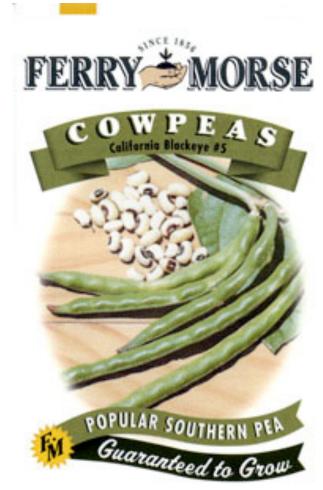
strawberries raspberries blackberries





FLOWERS AND SEEDS





VARIETY (> 200 CROPS)

California Leads the Nation

In 75+ Crops, 1997

Alfalfa
Almonds
Apricots
Artichokes
Asparagus
Avocados
Beans, Blackeye
Beans, Dry Lima
Beans, Dry Kidney
Beans, Garbanzo
Beans, Green Lima
Bedding Plants
Bell Peppers
Broccoli
Brussels Sprouts

Cantaloupes
Carrots
Cauliflower
Celery
Chicory
Chinchillas
Chinese Cabbage
Chinese Snow Peas
Currants
Dates

Bulbs

Eggs
Figs
Flowers, Cut
Garlic
Goat's Milk
Grapes, Table
Grapes, Wine
Herbs
Honey
House Plants
Kiwi
Lemons
Lettuce, Iceberg
Lettuce, Leaf
Lettuce, Romaine
Melon, Casaba

Lettuce, Lear
Lettuce, Romaine
Melon, Casaba
Melon, Crenshaw
Melon, Honeydew
Melon, Persian
Nectarines
Olives
Onions, Dry
Onions, Green

Parsley Peaches Pears, Bartlett Persimmons
Pigeons & Squabs

Pistachios Plums

Pomegranates

Prunes Rabbits Raisins Rice, Sweet Rice, Wild Safflower Seed, Alfalfa

Seed, Bermuda Grass Seed, Ladino Clover Seed, Veg. & Flower

Sod Spinach Strawberries Sudan Grass Sweet Rice

Tomatoes, Processing Vegetables, Asian Vegetables, Greenhouse

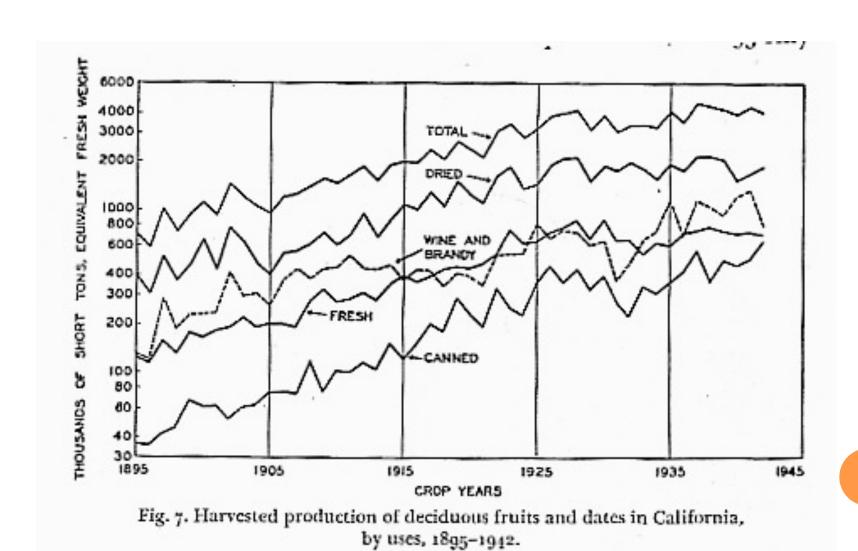
Walnuts

source: California Department of Food & Agriculture, California Agricultural Statistics 1998.

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FRUIT COMES IN MANY FORMS



FRESH & DRIED



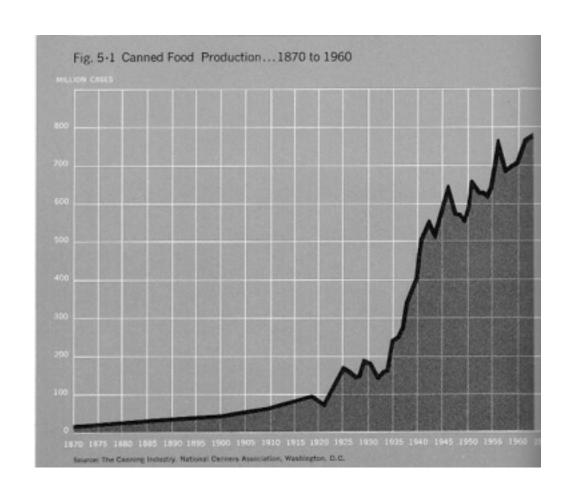


CANNING - SAN FRANCISCO





AGE OF CANNING (WITH CALIFORNIA LEADING THE WAY)



OAKLAND & ALAMEDA CANNING



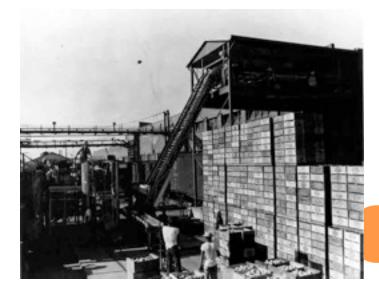




BERKELEY & EMERYVILLE







SOUTH BAY











OUTLINE

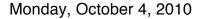
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BASIC PROCESSING

- Drying & Canning
- Milling Flour & Sugar
- Butter & Cheese
- Ham & Sausage
- Alcoholic Beverages





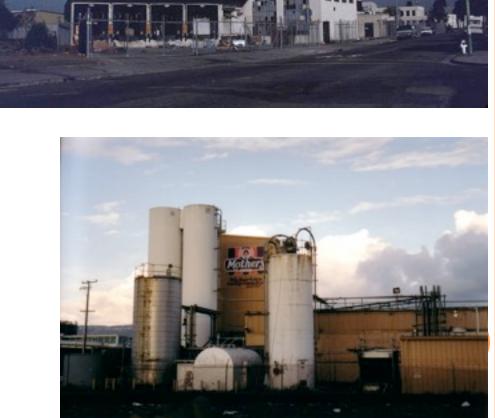


New Foods -**O**AKLAND

- Early industrial foods
 - **Biscuits**
 - Cereals
 - **Bread & Cakes**
 - Pasta







BERKELEY & EMERYVILLE







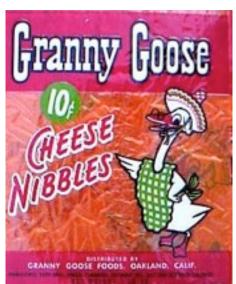
NOVELTY IN A CAN





POSTWAR PROCESSED FOODS

- Baby food
- TV dinners
- Soda pop
- Snack foods
- Artificial flavors & colors







OUTLINE

- ı. Intro
- II. Heartland
- **III.** Drying & Canning
- **IV.** Processed Food
- v. Meat & Poultry
- **VI.** Drive to Drink
- VII. Moving & Selling
- **VIII.** Industrial Inputs
- **IX.** Capital & Labor

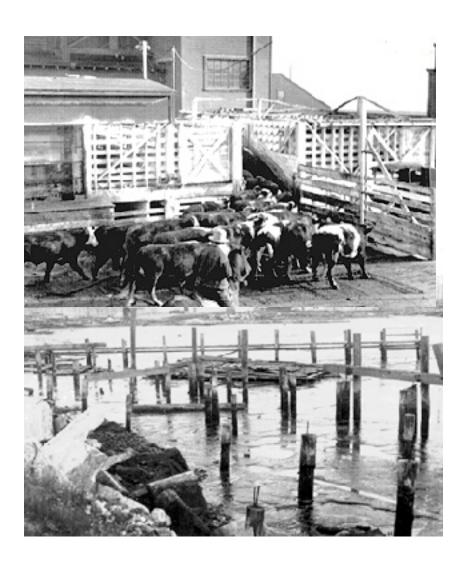
OUTLINE

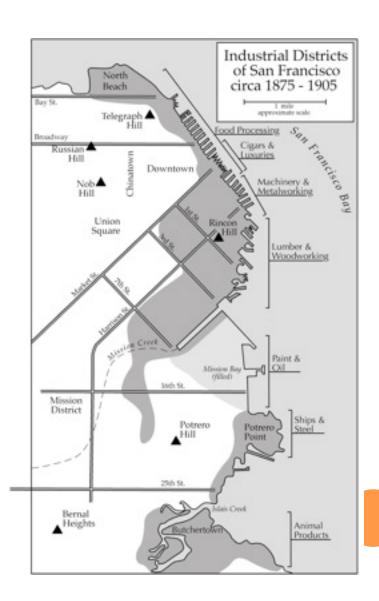
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ANIMAL PRODUCTS

- Meat
 - Pork (ham, bacon, sausage)
 - Beef
- Dairy
 - Milk
 - Butter & cheese
- Poultry
 - Eggs
 - Fowl
- Fish
 - Fresh
 - Canned

SF BUTCHERTOWN





EAST BAY MEATPACKING



Basser Law, whose, finals a reproof porth assessing into a reachine that mate it into links of America'd & Sons in San Learnate.

At right, Store America' power assessmings into a rest of ground pork that will be turned into linguisse.

The THE mystery of the mast.

The East Bay rily of Sun Laundro has experted the old distinction of being Calls. Berin's nummer expited. And two one—not, seen the faced insmalls:—homes who, which dissealed because the faced insmalls:—homes who, "Polishedy known, It's strongs, but well take R," and Kindli Mindia, remor of Englis Products Inc., which is considered the largest of this Line.

andreis seasure companies.

"Example to the chapte town — there is real actory on the ety used. — Maybe the season cought to replace the charte, though I due to the world look as size."

Sen Leandre gridemith Lavry Allphin a sized that some locals did notice the unusu

plained that some looks fed satise the unusual matthemes of samong fluctures and desided vocat-gatines flustived around it.
"The discoursey in birthy remost — it occurred white researching the fluctioni, new in the third year," said Allghan, so-choic of feast flusdey's low-ups & Sulfan, so-choic of feast flusdey, we found not that the Lenardo has to serve summage manufacturers than any other California etc."



infature in 1997 preclaimed fan Leandro the state's official acceange capital. But fewer people probably know about that than know October is



DAIRYLAND





DAIRY PRODUCTS











PETALUMA POULTRY







FEEDING & CONFINEMENT



THE GREAT WHITE MEAT HOPE







CATTLE & FEEDLOTS

Trends	in	Cali	formia	Feed	lots

Year	Number of Feedlots	Capacity	Marketed
1960	559	1,271,000	No data
1965	563	1,845,000	2,282,000
1970	410	2,037,000	1,966,000
1975	156	1,657,000	1,649,000
1980	101	1,102,000	1,253,000

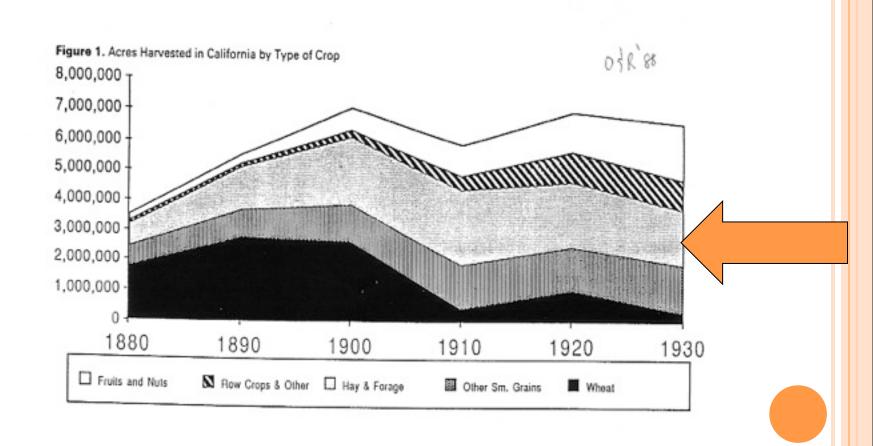
SOURCE: California Crop and Livestock Reporting Service, 1980.

Number of Feedlots and Capacity by District, 1980

District	Feedlots	Capacity
Sacramento Valley and other		
northern counties	13	33,300
Central Coast	7	117,000
San Joaquin Valley and		
Kern County	27	267,000
Kern, San Luis Obispo and		
southern counties	20	171,900
Imperial Valley	34	512,800
STATE TOTAL	101	1,102,000



GROWING FEED



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COFFEE COAST











Alameda County, California



BEER





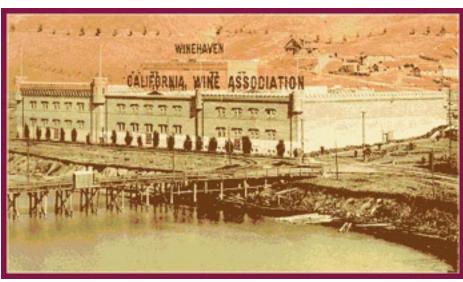
HARD LIQUOR & SALOONS





WINE - THE PRIDE OF PLONK





TODAY'S RICHEST FOOD SECTOR









Monday, October 4, 2010

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WHOLESALING & RETAILING

- Merchant Shippers & Packers
- Growers' Co-operatives
- Wholesale Markets
- Direct Delivery
- Grocery Stores & Supermarkets

GETTING CROPS TO MARKET



PACKING & SHIPPING



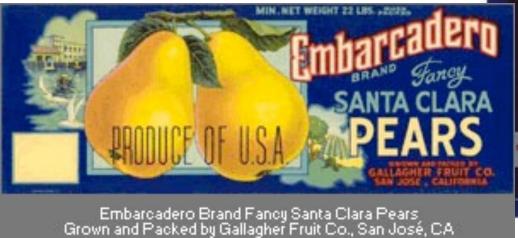


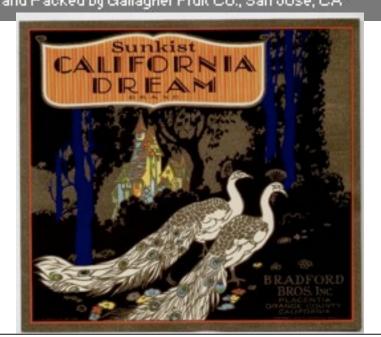


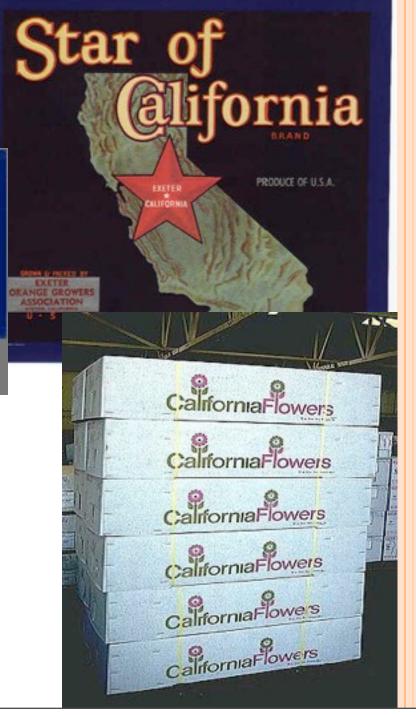
THE CALIFORNIA CO-OP REVOLUTION



SELLING CALIFORNIA







Quality Control & Standardization





DIRECT DELIVERY

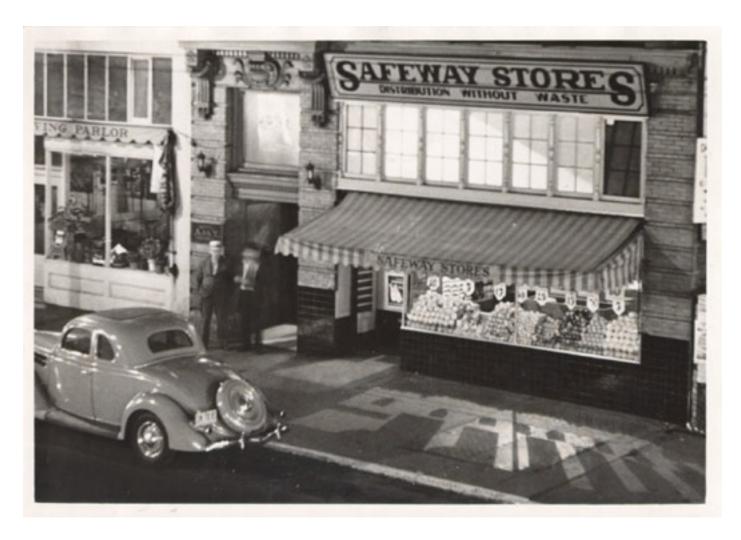


l beer, milk, meat, eggs, etc.

CITY WHOLESALE MARKETS



THE RISE OF THE GROCERY CHAINS



Hand in hand with processed/industrial food

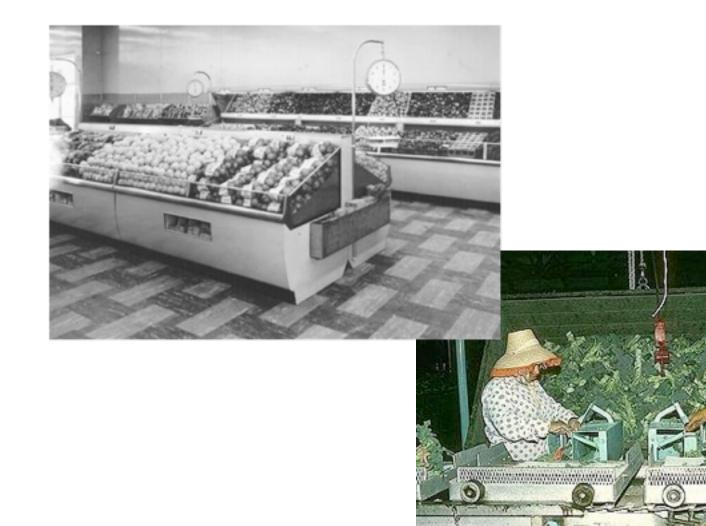
THE COMING OF THE SUPERMARKET



NEW WAYS OF SELLING



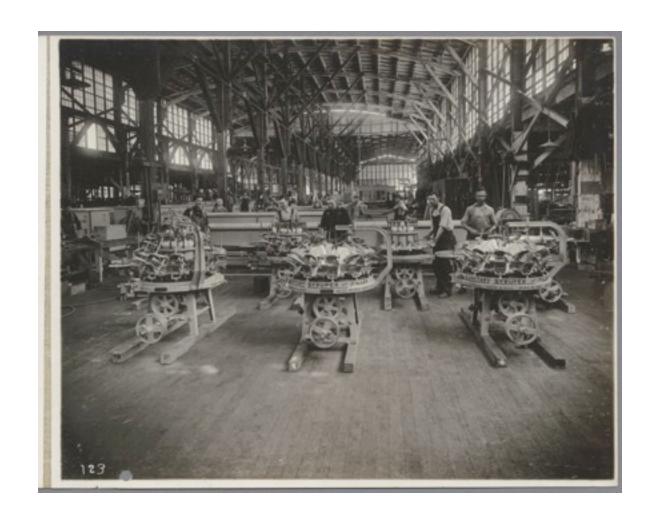
REFRIGERATION & FRESHNESS



OUTLINE

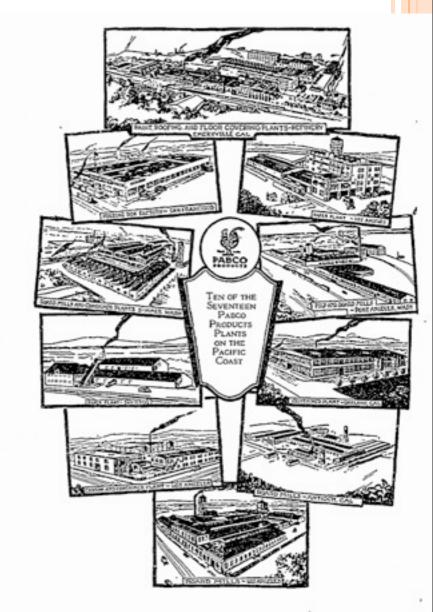
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FOOD MACHINERY



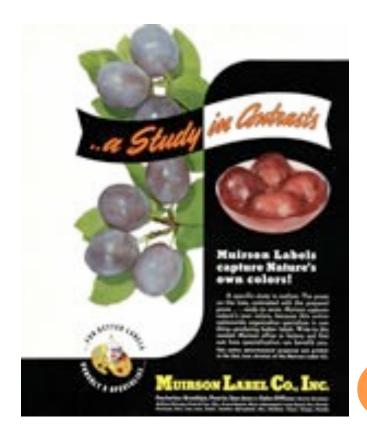
CANS & BOXES





LABELS & WRAPPING

- Classic industrial district/cluster
- So Is Wine District today



AG INPUTS - PESTICIDES



FERTILIZER - FROM PETROLEUM & GAS

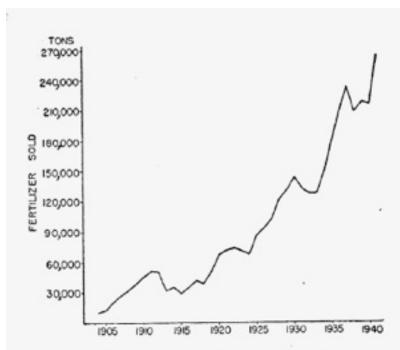


Fig. 22. Amounts of commercial fertilizers sold in California, 1904–1941. (From Calif. Dept. Agr. Spec. Publ. 188, 1941.)

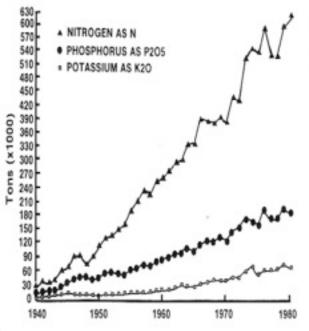
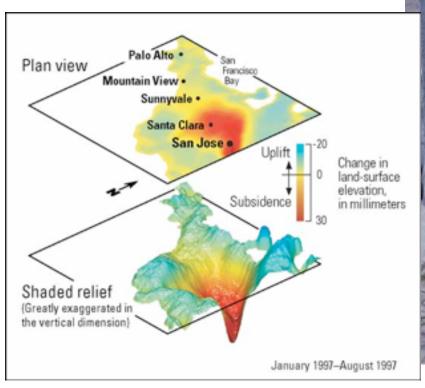


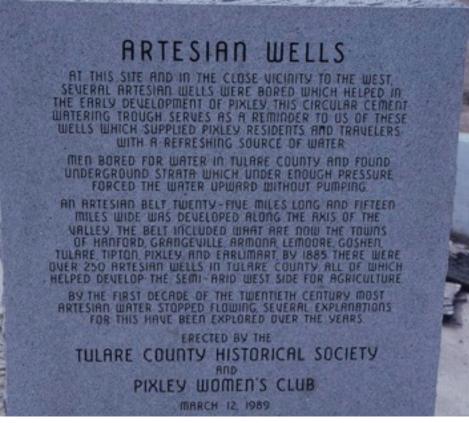
FIGURE 14.1 Fertilizer usage in California, 1940-1980. Data from California Department of Food and Agriculture Fertilizer Tonnage Reports.

PUMPS OF PLENTY



OVERDRAFT & SUBSIDENCE





SAN JOSE'S SUPER SEWER



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BUSINESSMEN FARMERS









T. S. MONTGOMERY

IMMIGRANT FARMERS





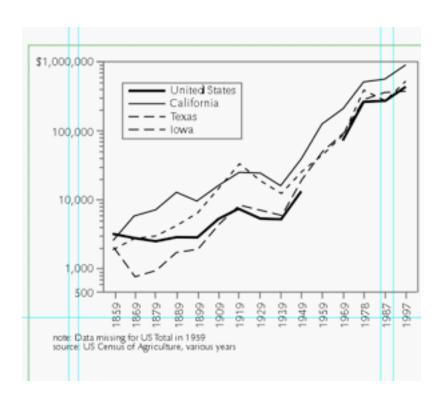
COLLEGIATE FARMERS

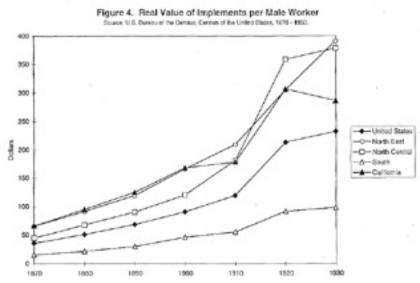






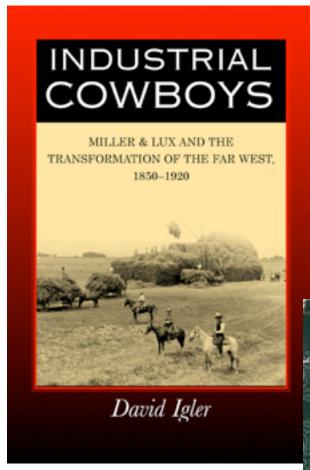
MOST CAPITAL INTENSIVE AGRICULTURE & MOST MECHANIZED CANNERIES





Capital per farm

AGRIBUSINESS CORPORATIONS







Town-Country Connections

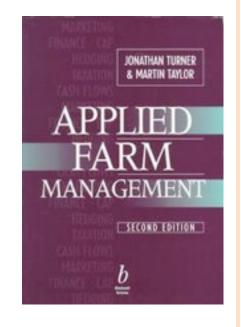


- Map: HQs of agribusiness corporations
- Role of Bank of America (Bank of Italy) & A.P. Giannini
- Other ties: banks, Del Monte, Safeway, etc.

UC RESEARCH & ADVICE

- Researchers: Hilgard, Wickson, Amerine, etc.
- Black olives, fruit cocktail, etc.
- Ag Economics
 - R.L.Adams Farm Mangement







CAPITALISM = SAFEWAY IN 1959



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- xı. •Workers of the World

FARM LABOR - WAVES OF IMMIGRANTS









CANNERY WORK BY WOMEN



RETAIL & CANNERY WORKERS GET UNIONIZED, 1940s



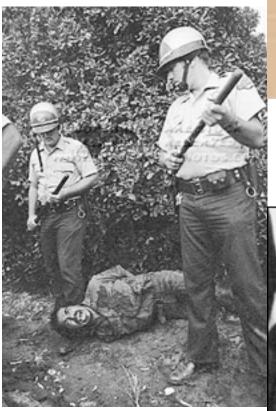


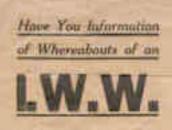


FIELD WORKERS STRUGGLES VIGILANTES & VIOLENCE









Any present or pursues bening to beneation, we marked of the little topochous, communing the release shours of a mention of the L W W or any information whatever one serving the notions whatever one serving the notion of social control of the step of ficials if they will not at once at the step of little in the step of ficials if they will not at once at the step top half and give whatever dates they usual hard to the Color of Politics All information off his resulted strictly confidential. Office upon at \$100 a, m. Control of the color of the c



No Documents

Growers Hire Illegal Immigrants With Impunity

its civil case. A criminal investigation was recently closed for the same reason — even though state law requires that irrigation pipes be stored out of reach of power

"The problem we have in industries like apparel and agriculture is that because so many workers are fliegal immigrants, they're afred to come forward and we're left in a lurch," one Cal-OSEA of ficial said. "This case is a perfect example.

Nowhere are the fallings of the Immigration Reform and Control Act of 1986 as salient as in agriculture, which employs more undoumented workers than any other industry in the country.

Under the law, employers who knowingly hire illegal immigrants are subject to civil and criminal penalties. But growers continue to employ such workers with little fear of fines or presocution. By some estimates, half the estimated 700,000 farmworkers in California are undocumented.

A Chronicle computer analysis of Immigration and Naturalization Service records, obtained through the Freedom of Information Act. found that only 46 farm operators, packers or shippers in California were fixed for immigration violations from 1909 to 1904.

In fact, the INS has been conspicuous in its failure to enforce workplace violations: From 1909 to 1961, agents visited only 22 of the 82,000 farms in the state, according to a study by the California Insti-tute for Rural Studies.

In interviews in California's San Josquin Valley and the boom-ing fields of Artsuna's Yuma Valbry, farmworkers said that not only has the law not stopped employees from hiring illegal immigrants, If has made it easier for employers to exploit them.

days," said Pedro Villa, a Yuma Valley farmworker who arrived in the United States 39 years ago under the guest worker program that lured hundreds of thousands of workers from Mexico, many of



Two boys and a group of formworkers looked at photos of the two leighon who died ofter they lifted a pipe into an everhead power line in a field near Stockton

whom ended up living in equalid espolitions.

They needed us then They "it's worse than in the bracers don't anymore," he said. "They've got more workers than they need. The laws don't stop people without ümmigration! papers from working out here, they just protect lem-pleyers. People without papers. can't complain. They're invisible."

One of the main ways in which form operators avoid INS work place violations is to distance themselves from the hiring of farmworkers -- by using labor contractors. Today, one in three California furneworkers is believed to work for a labor contractur, compared with 1 in 30 two

Wages in agriculture have not

increased in a decade, even though dood prices have. Critics of the nation's immigration policies offer this as proof that certain industries are more or less enempt from immigration law.

The 1986 immigration law was



NO HOUSING





2004 near Graton - David Bacon

THE END



NEW BUYERS, NEW HABITS

Finding Asia in the suburbs





Retailers offer ethnic specialties away from big-city Chinatowns

tages now of her mother's two Chinese restaurants in Marin County, used to have to drive into Sea Francisco or sale employees who lived in The City to pick up cortain ingredients who result find only to Chinatewes.

"Now, I dan't have to go to Sea Prancisco's Chinatewes. he mondies that just got me have," said Segimote, a Chinese Asser

tion who is married to a Japanese man, exhibit the 99 Bench Mor-ket in Richmond's new Pacific East Shopping Mail. instant) of a Longs Drugutore, Selicenty sup-Disc MAZZ, BUILD



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