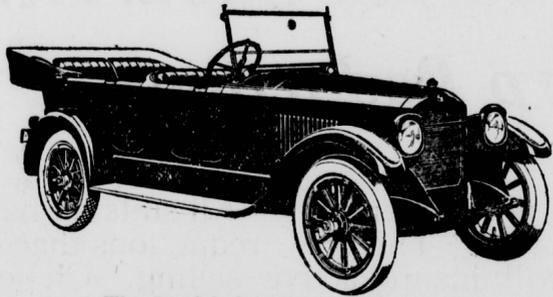


Studebaker reputation which, for 68 years, has stood for high quality, honest dealing and fair prices.

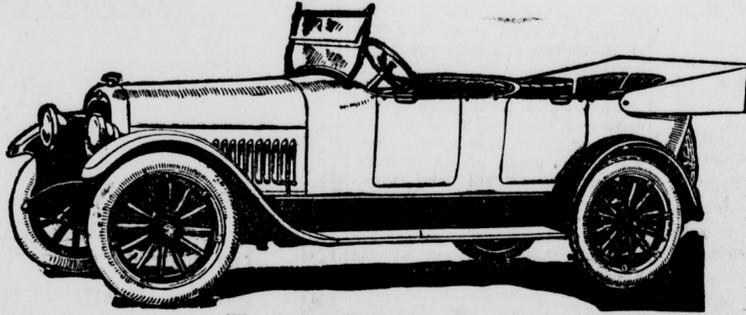
# Studebaker

Beautiful in design.  
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## CARS



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The Seven-Passenger Big Six

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Studebaker is one of the world's largest automobile manufacturers, and a consistent leader in all developments of the automobile for the benefit of the user. Among its contributions is improved quality, better performance, and greater value.

YOURS FOR SERVICE,

## WOTTEN-McKINNEY, INC.

Corner Sixth and Washington

Olympia

### RECLAMATION BOARD MAKES BIENNIAL REPORT

COVERS GENERAL INVESTIGATION FOR UTILIZATION OF ARID AND SWAMP LAND

GIVES SUMMARY OF WORK

Nearly Three Million Acres By Irrigation and Four Hundred Thousand by Drainage, Reclaimable.

Continued from Page One

one, a plan of development has been finally worked out comprehensive in character and rational for all time that will utilize the water resources and lands to the best possible advantage.

**Whitestone Project Difficult.**  
The board has just completed an extensive engineering investigation of the Whitestone project in Okanogan county, extending over a period of eighteen months, which has been the source of much difference of opinion but has finally been settled by a board of engineers as the best method the project should be developed.

A complete investigation of the Kittitas High Line project was made offering four alternative solutions with up-to-date cost estimates and pointing out the deficiencies of the plans previously prepared for the district. With this investigation and the board's advice and cooperation the Kittitas project of 70,000 acres is now working as a unit to get in shape for early construction as soon as the circumstances permit.

The legislature appropriated \$10,000 for the investigation of a dam site at Five Mile Rapids on the Snake River on condition that the Federal government would provide a like amount. It is deemed necessary to have \$20,000 available before starting the work. The whole investigation so far cost only \$10,500. Steps are now being taken for the formation of a district embracing the lands that would be irrigated by such de-

velopment for the purpose of continuing investigations and surveys of the whole project.

Surveys, plans and estimates are now in progress for straightening and deepening the Chehalis river so far as to prevent floods and destruction of crops over 20,000 acres; for drainage district No. 5 of Thurston county of 2,000 acres; for the Methow reclamation district; and cooperatively with the district for the Bonaparte Irrigation project.

**Thurston Project Promising.**  
In addition to the above, the board now has under actual construction and nearly completed, supervised by its engineers and financed from its funds, a drainage project in Thurston county, 1,700 acres in extent that cost approximately \$40 per acre to drain and the lands have been pronounced by the State College equivalent to Puyallup valley lands when reclaimed. This project is only a few miles from Olympia.

It was recognized during the early part of 1920 that it was going to be necessary to extend financial aid and engineering advice to a number of partly developed projects in the state. The board has purchased or agreed to purchase bonds of the following irrigation districts:  
Methow Valley, \$83,000; Lake Chelan, \$83,000; Entiat, \$39,000; Richland, \$66,000; Burbank, \$44,000; Franklin No. 1, \$111,000, making a total of \$426,000 spent in the purchase of bonds.

**Board Makes Financial Statement.**  
The financial statement of the reclamation board for the biennium follows: Administrative expense with an appropriation of \$50,000, expended \$34,119.81; appropriation for bonds, contracts, etc., \$1,000,000, expended \$325,973.81; appropriation for administrative expense for land settlement, \$10,000, expended \$624,060.

Of the total disbursements under the reclamation act of \$360,094.62, \$325,974.81 in the amount is under contract to be repaid, and an additional amount now charged to administrative expense, amounting to \$16,312.62 will be reimbursed, but now under contract, leaving \$17,807.19 as the expense chargeable to the state as a whole for the operation of the act.

Inasmuch as the land settlement act and the state reclamation act are companion measures the board has made the report for both in one.

Many details that might be in the report have been purposely omitted.

**Reclamation Act Adequate.**  
The state reclamation act has proven adequate to meet all requirements. The half mill levy which finances the reclamation revolving fund is entirely inadequate according to the board to meet the situation for the best interests of the state.

The board approves the modifying of the land settlement act so as to charge the interest rate on contracts from 4 per cent to an amount to be determined by the board, but in no case less than the state would pay for its general obligation bond.

The revision of the irrigation district law has been recommended by the board and the drainage and diking improvements districts lay along lines which the board has found from experience to be desirable.

**Gas From Straw.**  
A gas derived from the destructive distillation of straw is being produced on a small scale at the experimental farm of the United States Department of Agriculture at Arlington, Va., says the Journal of Industrial and Engineering Chemistry in a recent article.

"This gas has been used for motor fuel, for cooking and illuminating purposes, but its commercial value has not yet been determined. The office of development work of the bureau of chemistry is now making a series of tests upon it.

Fifty pounds of straw will produce about 300 cubic feet of gas, and the problem of liquefying or condensing the gas in order to enable it to be used practically as a motor fuel is now in process of solution.

Several valuable by-products are obtained during the manufacture of the gas.

**Doctors for Bees.**  
When a honey bee staggers around holding his head and staring despondently into space he may be suffering from influenza, dementia praecox or any one of a dozen other physical and mental disorders. At any rate he needs quick medical attention. He is getting it in the honey-producing regions of Manitoba, Canada. Bee experts say that the province will pour a river of honey on the world's pancakes this year and that the big production is due almost entirely to the elimination of bee diseases. Last year's average of approximately 65 pounds to the hive is expected to be materially increased by the hundreds of large apiaries scattered throughout the province.—Brooklyn Eagle.

### DRAWN WITH MASTER HAND

Walter Scott's Portraits of the Past a Notable Contribution to English Literature.

No wonder that Walter Scott, who, having shown the world in the Minstrelsy and the Lay that he was editor and poet, and being himself a novel reader, should be utterly dissatisfied with the quality of the existing supply. The French Revolution, distinguished by its leveling principle and action, had ended in substituting a feudal empire for an effete monarchy; and even when Napoleon was redividing Europe into kingdoms and principalities for his family and his followers, there had sprung up—or rather revived—a deep devotion to the chivalry which had done so much in the past, and whose traditions had ingrafted grace into history and breathed reality into song.

To this feeling, this principle, Scott had ministered in his poems; and now, acknowledged head of the romantic school, he resolved to extend its limits, beyond the ballad to the narrative poem and use prose as the more suitable medium. He strove to delineate the past as it seemed in the eyes of men who were dubious of the present and afraid of the future—noble, stately, glittering and gay, with the pulse of life ever beating to heroic measures. His view of feudalism in "The Talisman," "Ivanhoe" and "The Fair Maid of Perth" was not the caricature a few preceding authors had drawn, but a portrait—faithful, if idealized.—Robert Shelton Mackenzie.

### DEAL JUSTLY WITH CHILDREN

Almost Every Country Now Has Courts to Handle Cases of Juvenile Delinquency.

The example set by the United States in establishing juvenile courts has been followed by all the principal countries of Europe. Spain, the last to fall in line, has adopted the modern viewpoint that delinquent children should not be treated as criminals, but rather as victims of adverse conditions and surroundings. In working out the details of the law, Spanish authorities have followed America's experience, according to information received by the children's bureau of the United States department of labor.

Under the Spanish law the children's judge is not necessarily a member of the bench. He is assisted by two advisory members appointed by the commission for the protection of children. Privacy is guarded very closely in the

Spanish juvenile courts; no one except probation officers is allowed in the court unless by special permission, and the press is forbidden to publish any information about cases of juvenile delinquents.

Since Chicago established the first juvenile court in 1899, similar courts have been established in England, France, Belgium, Holland, Denmark, Switzerland, Italy, Germany, Russia, Austria and Hungary.

**The Navipendulum.**  
One of the problems which naval architects have to confront is the rolling of a ship on the waves, and the "navipendulum" is an invention for dealing with it experimentally.

The apparatus consists of two parts: A plate to which a motion corresponding to that of a portion of the surface of a wave is imparted, and a pendulum of a peculiar shape which rolls upon the moving plate in the manner of a vessel supported by water.

The same pendulum can be made to represent different vessels of given size and shape by adding or removing artificial resistance to the oscillatory motion.

This instrument has been employed to study the rolling of the Italian battleships as well as those of other countries.

### Touching, But Timely.

As this Column was walking down Calvert street the other morning, feeling this earth is all piffle when life's but a sniffle, and effort is only to sneeze, sneeze, sneeze, its eagle eye filled with the sole kind of moisture allowed by law, and its classic countenance wishing it could secure an absolute divorce without publicity from its Roman nose, it met a man well known in local business and in federal circles. He glanced sympathetically at this Column's dilapidated frontispiece and hoarsely whispered in passing, "Have you heard the latest title for a popular song? It is 'Will You Meet Me in Hay Fever Time, My Dainty Ada Noids?'"—Baltimore American.

### Outrage.

In Denver they tell a story of a newly rich family that became discontented with the services of their old physician, despite that fact that for many years he had kept all of them in excellent health.

"So you have decided to get a new doctor," said a caller to the lady of the house, who had confided in her friend.

"I certainly have," said the other. "The idea of his prescribing flaxseed tea and mustard plasters for people as rich as we are!"

### COUNTY EXTENSION CALENDAR OF WORK

The following dates for meetings and training classes have been scheduled for January. It has been impossible to make very definite plans this month, as most of the specialists from the State Extension Department will make out their schedules during the state conference, January 12th to 19th:

January 3—Farm Bureau executive committee meeting. Dairy project leaders' meeting.

January 4—Farm account specialist, in Little Rock community.

January 5—Food and nutrition project leaders' meeting.

January 6—Poultry project leaders' meeting.

January 7—Project leaders' fireless cooker training class.

January 8—Project leaders' dress form training class.

January 10—Project leaders' dress form training class.

January 15—Last day for powder and superphosphate orders and powder magazine petition.

January 20—Northwest community meeting for women, at McLane Grange, all day.

January 21—Miss Kennedy to present child welfare work at P.-T. A. afternoon meeting at Hays school.

January 24—Yelm poultry and berry study club organization and moving picture show, schoolhouse, 7 p. m.

January 25—Equipment training class for women project leaders with Miss Lawrence, Olympia.

January 26—Same, for Rainier or Yelm.

January 27—Same for Tenino.

January 28—Same for Little Rock.

January 31 to February 4—Weighing and measuring of children in all schools under the supervision of women project leaders.

February 4—Baby chick brooder study tour in Lacey district.

February 5—Farm Bureau executive committee meeting.

Wet bedding requires considerable animal heat to warm it. It means a useless expenditure of energy, which in this case is a waste of feed. Dry bedding means comfort and saving of feed.

Economy does not necessarily mean spending a small amount, but in getting the largest return for the money expended.