

# MAINE STATE LEGISLATURE

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# EIGHTY-FOURTH LEGISLATURE

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**House Document**

**No. 550**

H. P. 1527                      House of Representatives, March 1, 1929.

Referred to Committee on Appropriations and Financial Affairs and 500 copies ordered printed. Sent up for concurrence.

CLYDE R. CHAPMAN, Clerk.

Presented by R. Hamel of Lewiston.

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## STATE OF MAINE

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IN THE YEAR OF OUR LORD ONE THOUSAND NINE  
HUNDRED AND TWENTY-NINE

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RESOLVE, in Favor of Scientific and Practical Investigation of Wind Wheels and Rotors for Generation of Electricity for Use on Farms and on Sailing Vessels.

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### PREAMBLE

Whereas it has come to the attention of this legislature that it is a matter of common knowledge that something should be done in Maine to make farming conditions more congenial and remunerative; the living conditions and opportunities to labor in our villages, particularly the smaller villages not supplied with electricity, better; the operating conditions of our sailing vessels safer, better, healthier and more profitable; and

Whereas it has come to the knowledge of the legislature that

much has been done toward the accomplishment of these desired results in certain foreign countries through the construction and operation of wind wheels and other devices to utilize the movements of the atmosphere which we call winds to generate electricity for light, heat and power; and

Whereas the motto of this state is "Dirigo," be it

STATE TO MAKE PRACTICAL EXPERIMENTS  
IN DEVELOPING ELECTRICITY BY THE  
WINDS FOR LIGHT, HEAT AND POWER

Resolved: That there be and hereby is appropriated the  
2 sum of fifty thousand dollars for the fiscal year commencing  
3 July first nineteen hundred and twenty-nine and fifty  
4 thousand dollars for the fiscal year beginning July first  
5 nineteen hundred and thirty for the purpose of investigating  
6 ing and experimenting in the construction, operation and  
7 practicability of wind, wheels, rotors or other devices operated  
8 erated by air for use on farms or on vessels, particularly  
9 on coasting and fishing vessels, for the generation of electricity  
10 tricity to be used in connection with storage battery for  
11 furnishing light, heat or power; also for investigating and  
12 experimenting in the possibilities and practicability of air-  
13 engines; and also air motors operated by air compressed  
14 by direct wind power or compressed by electricity generated  
15 ed by wind power, with particular reference to the use of  
16 the compressed air motor for the propelling of street cars.

Wind wheels, rotors or devices for similar purpose, as  
2 result of investigation and experiment, of various patterns

3 and construction, shall be erected on the grounds of the  
4 University of Maine, locations to be approved by the presi-  
5 dent and faculty of said university and the electricity gen-  
6 erated shall be tried out and used in any building or build-  
7 ings of University of Maine or Maine agricultural experi-  
8 ment station, or the electricity so generated shall be used  
9 for any purpose, particularly any use that may seem adapt-  
10 ed to the advancement of the art of the utilization of mov-  
11 ing currents of air in the manufacture and storage of elec-  
12 tricity for any purpose.

Also, there shall be erected on Highmoor farm in the town  
2 of Monmouth, when experiments at the University of  
3 Maine or elsewhere have demonstrated the possible prac-  
4 tibility of a certain type of wind wheel, rotor, or other de-  
5 vice, operated by the wind, when erected in a certain man-  
6 ner, as being adapted for the generation of electricity to  
7 be used in conjunction with storage battery for light, heat  
8 or power; a wind wheel, rotor or other construction operat-  
9 ed by wind, capable of generating not less than ten horse  
10 power nor more than one hundred horse power and also a  
11 storage battery for storing electric current not used at the  
12 time generated and all electricity generated shall be used  
13 for light, heat or power in any building on Highmoor farm  
14 or for any use in connection with operation or management  
15 of Highmoor farm.

One or more bulletins of the results of observations, in-  
2 vestigations, and experiments in the construction, opera-

tion and adaptability of wind wheels, rotors, or other devices for generating electricity for light, heat or power shall be issued each of the fiscal years nineteen hundred and twenty-nine and thirty and shall be mailed to the secretaries of each grange in Maine and also to the clerks of each town and organized plantation in the state for distribution and also shall be otherwise distributed the expense to be paid out of the appropriations of this resolve.

Said appropriations for the carrying out of the purposes of this resolve shall be expended under the direction of the president and faculty of the school of technology, University of Maine. If the appropriation for the fiscal year nineteen hundred and twenty-nine is not expended during the fiscal year, it shall be available during the fiscal year nineteen hundred and thirty, but any balance that is not expended at the end of the fiscal year nineteen hundred and thirty shall remain in the state treasury.