pressure is constantly in action on one of the plungers to impart a uniform rotary motion to the shafts, $M$, connected by belt and pulley with a common driving shaft. An air-compressor, $L$, connected with one of the shafts, is used to force the water in the lower tank,


THE WALL HYDRAULIC MOTOR.
$D$, to the plunger supply-pipes when the overhead tank runs dry.

## AN ATTRACTIVE DWELLING AND CONSERVATORT

 FOR \$8,500.The dwelling house illustrated in this issue is located at Pelham Heights, N. Y., and it is claimed to have cost complete only $\$ 8,500$. The last February issue of the Building Edition of the Scientific AMerican not only contains the elevation view, shown herewith. but plan views of the interior and a full description of the kinds of woods used in the different rooms and the other materials used in the construction and finish. In brief, the cellar is cemented, and is used for the laun dry and furnace. The house is fitted for both gas and electric lighting. The kitchen is provided with a double oven range and an 80 gallon boiler
One special feature of the Scientific American Building Edition is that it contains photographic re productions of inexpensive country homes which have been actually built. This monthly journal is most useful to architects, builders and others in calling at tention to the latest work in the building line. The subscription is $\$ 2.50$ per year.

## Correspondence.

International Congress at Paris.
To the Editor of the Scientific American :
I have received a letter from the chairman of the committee in charge of an international congress which will be held in Paris, in relation to the Exposi tion taking place there at present, and where all ques tions arising from recent inventions will be discussed and; therefore, the associations of inventors, the asso ciations of industrial artists, the inventors and the industrial artists individually and all those who are interested in the progress of inventions and of indi vidual industrial arts, will be invited to assist at said congress.
I would, therefore, be much obliged to you if yo would kindly let we know whether you have the nawes of any such associations, so that I may have invita tions addressed to them by the French government.

Henry E. Gourd.
Chambre de Commerce Française de New York
May 26, 1900

## The Current Supplement

The current Supplement, No. 1275, is of unusual interest. The first installment of an inportant paper entitled "Outline of the Development of the American Locomotive," by George L. Fowler, begins in this issue. The series will be accompanied by sixteen enissue. The series will be accompanied by sixteen enhibited at Paris. "Rails and Rail Joints" is accompanied by twenty-two engravings. "Alcohol as a Food" is by A. T. Cuzner, M.D. "The Electricity Building and the Grand Cascade of the Paris Exposition" are illustrated and described. "Egyptian Munmies of Children" is by W. S. Harwood. "The Eclipse at Wadesboro, N. C.,", is described in detail. "The Twelfth Census of the United States" is by George E. Boos, Superintendent of Printing, and a tabulating card, showing the data for the electric tabulating machine, is given.

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