............ Uncle Sam's Naval Experimental Tank

(From New York Sun.)

speed of nineteen knots with 2,000 less herse power than the smaller vessel. In other words, it would require 21,000 horse power to drive a Georgia built on Model No. power to drive a Georgia built on Model No. 1 at a speed of nineteen knots, while only 19,000 horse power would be required to drive a vessel built on Model No. 4 at nineteen knots. Needless to say, Model No. 4 was selected at once for the vessels of the

Georgia class. The decision wil' mean a tremendous sav ing of coal during the entire lives of the vessels of that class. Although the Georgia

to 61/2 knots. These represent high speeds in a ship's actual performance. For example, the Yorktown, with a displacement of 1,680 tons, made 16.7 knots on her trial. a corresponding speed for a twenty-foot odel of the Yorktown in the basin wou'd be 4.93 knots. The maximum speed which the carriage is capable is about 20

knots in a run of about 200 feet.

It will be seen that a machine weighing about thirty-five tons and going at the rate of 20 knots an hour within a short

tions. These cross sections are set up at fixed intervals, and strips of wood nailed to them. The wood is smoothed off and a miniature former-model of the ship is made. A wooden block corresponding in shape and size to the former model is then made. It is of white pine, about two inches thick. The former-model and this block are then put in the model cutting machine. A roller The former-model and this block are then put in the model cutting machine. A roller rolls over the former-model, and by balanc-

The state of the control of the cont there was a most excellent service of traction engines, under the command of Col.
Templar, taking all classes of goods from the ships to the various rallways and camps In all probability we don't see the sun it.

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SUN'S RELATION TO THE EARTH,

Prof. C. A. Young, in Methodist Magazine.

of traction engines for war purposes, gave some interesting details of his experience of automobilism as he has seen it in the field at the dinner of the Automobile Club last week.

Col. Crompton said that when he went to South Africa he had a sirong mandate to keep his eyes and ears open on all mather so to keep his eyes and ears open on all mather some he arrived at Capetown he found that there was a most excellent service of traction engines, under the command of Col.

The average destiny of the sun. Stellar distances are vasting shout a ton suppression the sun. Stellar distances are vasting photosphere. The spot of 1893 appearance in photosphere. The spot of 1893 appearance in the distance in the surrounding photosphere. The spot of 1893 appearance in connection with the great electric storm when the telegraph lines worked with such as the sun. Stellar distances are vasting photosphere. The spot of 1893 appearance in connection with the great electric storm when the telegraph lines worked with substitute in the force of gravity upon it is twenty-seven times what it is here, so that a small man like may be a small wan like the coincidences between a great solar distances are vasting photosphere. The spot of 1893 appearance in photosphere. The storm when the telegraph lines worked with substitute in photosphere. The spot of 1893 appearance in photosphere. The spot of 1893 appearance in photosphere. The spot of 1893 appearance in photosphere. The spot of in photosphere. The storm in photosphere in photosphere. The spot of in connection with the great electric storm when the telegraph lines worked with substitute in photos

learn that there is no economical justification for the present vast, unproductive expenditure, then public opinion will compet the "multis" to expend their fortunes in ways that will be more in accordance with simplicit yand good taste. The rulgarity of wasting wealth will be all the clearer when its effect upon the public wealth is understood; and no sound public opinion on the subject can be formed until the public understands the purely economic side of the question—Truxtun Beale, in the December learn that there is no eco

A paper that carment at the model above a speed of 45 of the model A GIGANTIC INCUBATOR.

emarkable Developments in the Dairy Farming Industry in Australia. The rapid expansion of the demand for Australian poultry, combined with the possible immense future of the Australian poultry export trade, is leading to some remarkable developments in the dairy farming industry in Australia. Hitherto China has enjoyed the reputation of utilizing the incubator system on on the earth's surface.

Now they are rare and again abundant.

Nothing of importance transpired at yesterday evening's special meeting of the board of school trustees. A communication was received from Lieut.-Col. Grant, asking that the children of the soldiers at Work Point-barracks be permitted to attend the city schools, though residing outside the limits. The matter was not finally dealt with, though the request will likely be granted at next Wednesday evening's meeting of the

board. Trustee Hall presided, and there wer present also Trustees Mrs. Helen Grant, Belyea, McCandless and Drury. The principal of the Hillside avenue school asked for certain supplies. Re-

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