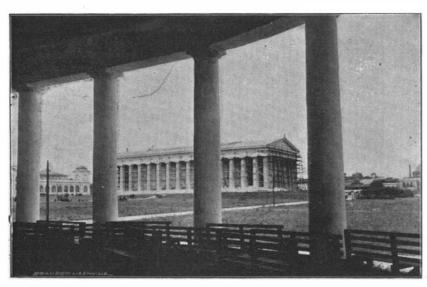
THE TENNESSEE CENTENNIAL EXPOSITION.

Since the Chicago World's Fair, of 1893, there have been expositions held somewhere in the United States every year, with one exception, the California Midwinter Exposition and the International Cotton States Exposition following each other in quick succession, and now the present year is to witness what the indomitable energy of a single State can accomplish. Tennessee looks like a bit of the Columbian Exposition, set down



PARTHENON FROM COLONNADE.

will hold what will be called the "Tennessee Centen-| feet. nial and International Exposition" at Nashville. The many of the important exhibits, date of the opening of the Exposition is May 1 and that both foreign and domestic. Tenof the closing October 31. The occasion of the Exposi-nessee is a great agricultural tion is the one hundredth anniversary of the admission | State, producing almost every of Tennessee as a State into the Union. It is very crop grown in two zones. Natucreditable that this progressive State should express its rally their agricultural exhibit gratitude to the founders of the commonwealth in such was given one of the finest buildan eminently patriotic manner. Tennessee is the first ings on the grounds. It mea-State in the Union to so celebrate the one hundredth sures 525×175 feet. As is the anniversary of her statehood, and the interest which case with the other buildings, has been evinced by all sections of the country shows the exterior is covered with staff. that the celebration will be of national importance. It The building to the right of the is not intended to run the Exposition as a money mak- Agricultural building is the Maing scheme, as it is largely prompted by sentiment, and chinery building, constructed in the grave defects in the management of all the American the Doric style. It is of the type expositions since and including the Chicago World's of the famous Propylæum in Fair have been carefully guarded against. President Munich, and measures 375 × 138 Cleveland has signed the bill appropriating \$130,000 for feet. In order that the building the erection of a suitable building to contain the gov- may be pleasant on warm days, ernment exhibits; so that the success of the Exposition seems now assured. Many of the Exposition buildings the boilers and engines will be are already finished and nearly all will be ready to re- at the power house, which is directly back of the Agri- being devoted to patents taken out by women, another

for at a time of great financial stringency, the money grouping of the masses in the proper proportion. necessary to guarantee the success of the Exposition World's Fair, it was found impossible to finish the the History building, where the historical relics of the the Administration and the Women's buildings. The

work in time to allow of opening the Exposition on June 1, 1896; so, following the precedent set by the World's Fair, the grounds were dedicated with appropriate ceremonies on the anniversary and the opening of the Exposition itself was postponed for one year.

The selection of a site for the Exposition was a happy one. The old West Side Park and contiguous property was secured, the area covered being 200 acres. The tract is a magnificent stretch of blue grass land lying within two miles of the public square of Nashville. The ground was improved at once. Two beautiful lakes were created, the rolling surface was terraced, 1,000 trees were planted and miles of drives, walks and bypaths were laid out, while the drainage

and lighting has been carried out on approved lines. By May 1 the Park will be all that a perfect climate, a fertile soil and artistic landscape gardening can make it. In the great circle around the center lake is an imposing collection of monumental, though ephemeral, Exposition buildings. As will be seen by reference to our bird's eye view, the ensemble is most imposing; in fact, it

> under kinder skies, in a more genial climate. In front of the magnificent reproduction of the Parthenon, which is the centerpiece of the Exposition, stands a heroic statue of Pallas Athene. 43 feet high. A little further on is a reproduction of the famous bridge of Venice, the Rialto.

The Parthenon, the noblest example of ancient architecture, is reproduced exactly, as to outward form and color, and stands on a considerable elevation. It is a fireproof structure and is intended to house the art collections. The light comes from a large skylight in the roof, as in all Greek temples. The largest Commerce building, which is at

This building will house no steam will be admitted, but

ceive exhibits by March 1; so that there is very little cultural building. Simplicity is the feature of the dechance of any delay in the opening of the Exposition. sign selected for the Transportation building, which on, to painting, sculpture, cooking, embroidery, edu-Shortly after June 1, 1894, a company was organized, is directly opposite the Machinery building, across the a charter was secured and stock was issued. Not-little lake. A most pleasant effect has been obtained, withstanding the fact that the Exposition was arranged without the use of a single column, merely in the

was forthcoming. As was the case with the Chicago of 125 feet. Next to the Transportation building is building is pretty, and fills the interval between

State will be exhibited. The design provides for a Greek cross with a dome. One wing will be used for colonial history, another for early times in Tennessee. the third for Confederate relics, and the fourth for Federal relics of the late war. The building will, of course, be made fireproof, owing to the great value of its contents. The space between the two lakes back of the Parthenon is devoted to the minerals and forestry, the Auditorium, the Horticulture and the Government buildings. The Minerals and Forestry building is built in the Roman-Doric style. It measures 400 feet by 125 feet. The building will prove especially attractive to those who are interested in the wonderful mineral and timber resources of the Middle and Southern States. In the southern end beautiful marble, onyx, granite and sandstone specimens will be shown, while at the northern end will be placed all grades and kinds of coal and countless varieties of timber. The Auditorium is colonial in design and Ionic in treatment. The interior of the building is furnished in hard wood, the seating capacity being 6,000, and the stage and band pit are ample for all purposes. Above the colonnades are pleasant balconies for the viewing of pageants by day and the elaborate electrical and fireworks displays by night. The tower is 140 feet in height and affords a magnificent view of the exposition. The Women's building occupies the corner of building on the grounds is the the Exposition grounds, and is designed by a woman, as the building is devoted entirely to women and the left of the Parthenon. Its di- their work. An assemby hall is provided for meetmensions are 500×315 feet, the ings under the control of the women's board. Other wings being 150 feet wide. The rooms are devoted to the various arts and industries height of its central dome is 175 in which women have been engaged; one section



COMMERCE BUILDING FROM LAKE.

to books and musical compositions by women, and so cation. etc.

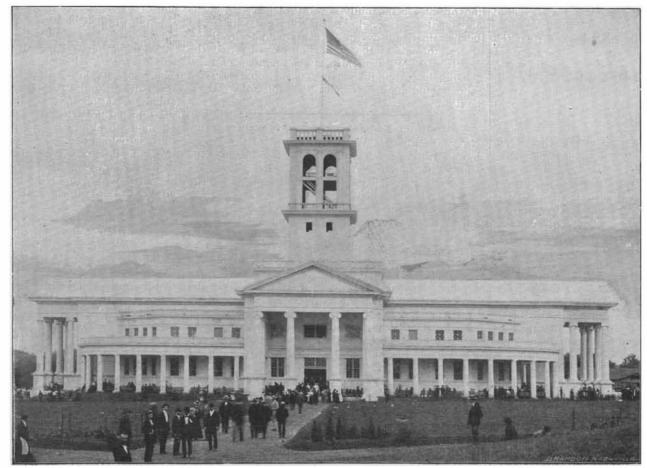
The Children's building is one of the unique features of the Exposition. It belongs to the children, and in it various things will be designed and arranged for The building has a frontage of 400 feet and a depth their amusement and instruction. The design of the

> most interesting department will be that in which the work of the children will be exhibited. Another section will present whatever is of interest and use to the children gathered from all over the world. In the rear of the building, for the pleasure of the little visitors, a park of tame deer will be kept.

> The offices of the Exposition will be located in the Administration building, a handsome structure, erected in the club house style, with hard wood interior and wide porches. The offices are furnished with every convenience.

The United States Government building is directly back of the Auditorium. It is destined to contain an interesting exhibit of the various departments of the federal government.

Among the other



AUDITORIUM.

buildings are the History building, the Negro build-

have been provided.

The amusement feature of all world's fairs has

America this section is now universally known as the "Midway," in honor of the Midway Plaisance of the Chicago Exposition, but in the Tennessee Exposition a new name has been devised for this interesting center. It is called "Vanity Fair," after the show mentioned in "Pilgrim's Progress," which was seen by Christian in his journey through life. In the triangle of the ground many features which were attractive at the World's Fair will be in evidence, as well as a number of new shows. The Director General has, however, decided that there shall be no exhibitions which will be offensive to any one. Another of the special features which add to the beauty of the grounds will be what is known as a "gourd arbor." This will be a long avenue leading from the main entrance of the Auditorium to the

framework covers the walk, which will be overgrown with flowers and vines.

It is, of course, too early as yet to give any idea of what the exhibits will be, but there is every reason to believe that they will be so interesting that visitors will come from every State in the Union, and possibly from abroad. The foreign commissioner of the Exposition heavy freight, which must be moved at a low cost. spent a long time in Europe, and obtained a large number of commercial exhibits from abroad. The chief officers of the Exposition are: Mr. John W. Thomas, president; Messrs. V. L. Kirkman, W. A. Henderson and John Overton, vice presidents; and Mr. Charles E. Currey, secretary. The Director General is Mr. E. C. Lewis. The buildings are under the direc-

Justi. to whom we are indebted for courtesies.

French Water ways.

According to an official report recently issued there were in France, at the close of 1895, says the Engineering and Mining Journal, a total of 13.751 kilo meters of interior navigable waterways, of which 8,838 kilometers were rivers, lakes, and other natural channels, and 4,913 kilometers were canals. The natural waterways include a

ing, Dairy, etc. Excellent means of transit to and around the grounds

to pass boats 38 50 meters long and 5 20 meters beam. and four men, this being the entire crew of officers and There are 4,204 kilometers which come up to these men. The car was designed to run slowly through the come to be regarded as a very important one, and in requirements; all the rest are of the second class. The street during a procession with its crew marching in

PARTHENON AND AUDITORIUM,

in 1895 was 27,173,904 tons. Of this traffic 32.3 per cent dismantled and will be erected on a raft at the was stone, brick, lumber, and building materials, 28.1 per cent was coal, and 74 per cent was iron, steel, and minster Street Railway) in early spring. The boat was other metallurgical products. These three items make up 67.4 per cent of the total. The waterways were used, as might be expected, chiefly for the carriage of

A TROLLEY MAN OF WAR.

While the comic papers have been cartooning military engagements of the future as between portable forts operating on trolley lines, it has remained for the enterprising superintendent, W. W. Sargent, of the Fitchburg & Leominster, Mass., Street Railway to of the Bureau of Promotion and Publicity is Mr. Herman formidable fighter. Like the steam locomotive copy 1179, starboard 119; indicated horse power, 4,863;

are divided by law into two classes. Waterways of the success, serving as a novel feature in many parades first class must be able to carry boats of 2 meters and making all its trips without a breakdown or accidraught, and the locks, if there are any, must be able dent of any kind. At one time it carried one hundred

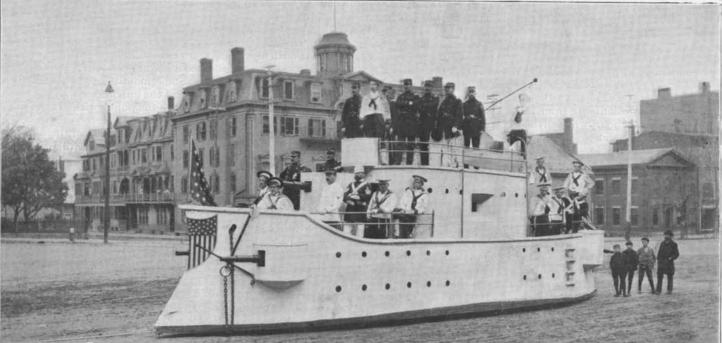
> front, on both sides and in the rear, while many of the officers would ride, then during a long jump from town to town, officers and men would ride together. The boat, which is 37 feet long, was built on a construction car 26 feet long with 6 foot 6 inch wheel base, equipped with two 12-A, 30 horse power Westinghouse motors. It was constructed of sheathing and timber, the whole being covered with canvas painted and varnished. The hull was painted white, superstructure cream, ironwork bronze, guns, and anchor chain black, sponsons, lifeboats and turrets white. It was lighted with twenty - five incandescent lamps. Red fire was used on many occasions in the smokestack which gave it a decided martial appearance. After celebrating the victory, special parties were given an opportunity to enjoy the novelty

walks of the western part of the park. A light, airy total quantity of freight moved on the rivers and canals of a ride on the cruiser. A few days ago she was pleasure park of the company (Fitchburg & Leodesigned by naval architect W. W. Lapointe, and was constructed at the car house of the Fitchburg & Leominster Street Railway Company, under the direct supervision of its superintendent, W. W. Sargent. We are indebted for the foregoing particulars and for our engraving to the courtesy of the Street Railway Review.

Coal Consumption on a Cruiser.

The results of the thirty hours' coal consumption trial of the second-class cruiser Juno recently were as follows: Steam in boilers, 142 pounds per square inch; tion of Mr. Robert T. Creighton, engineer, and the chief actually build what to all appearances was a very vacuum, port 271, starboard 261; revolutions, port

> giving a mean speed of 16.3 knotsperhour. The amount of coal used was164pounds per indicated horse power per hour. The Juno was taken into the Channel for a four hours' forced draught trial. The mean results recorded were: Steam in hoil. ers, 149 pounds; in engines, 151 pounds; vacuum, starboard 26 inches, port 26.6 inches; revolutions, Starboard 149·3, port 149.3; indicated horse power, Starboard 4,832, port 4,939 -total, 9,771;



TROLLEY MAN OF WAR USED IN THE LATE CAMPAIGN,

an increase of about 15 per cent in the total length ley was operated through the principal streets reported, chiefly due to the improvement of rivers. of Fitchburg and surrounding towns during the These channels are under the control of the State, and late presidential campaign, and was in every way a lall, is the largest steamer on the Great Lakes.

other artificial works. From 1878 to 1895 there was parades, and novel special cars. The cruiser McKin-port Harbor, where she will be equipped for sea.

number of rivers which have been made navigable built at Terre Haute, this new idea is suggestive of air pressure, 0.92 inch; speed, 20 knots, or half a knot for at least part of their length by dams, locks, or endless possibilities for future occasions of celebrations, in excess of contract. The vessel returned to Devon-

THE Rockefeller steamer Robert Fulton, 440 feet over