t firmly the bottle of wine and, go it against the great ship's swestly uttered the magic. "I christen thee North Carothough they were lost in the ing cheer that arose from the ide below and the shricks of a cd steam whistles from the hardlevity gathering inomentum, cat ship glided smoothly, graceto the end of the ways, plunged swan into her native element, oated far out into the James A moment lator two pigmy tughad picked her up and shortly and she was moored alongside ard she was moored alongside y cock, her graceful lines and thicker of her size appealing to cusands who looked upon her. ie used in the christening cerewas native North Carolina scupwine and bore the brand of first white child born in the col-

Gienn, the sponsor, wore a ful sown of white serge, trimin willte satin braid with a hat atch and carried white rescs and ne. Mrs. Arrington wore a plus atured in brown and noth car-

POST-LAUNCHING BANQUET. After congratulations to the ship-rd officials for the excellence of air work and the success of the work and the success of the thing—and this is worthy of note, is said to have been the smoothin the history of the yard-the nor and his party were driven to Hotel Warwick for the post-nching luncheon, one of the features of all launchings at this yard. Alighting from the launching stand Governor Glenn and Miss Glenn were ed veciferously by the crowds and

many pressed forward to shake his hand and speak with him.

The launching luncheon was given the launching party in the Hotel Warwick banquet hall this afternoon and Governor Gienn, J. Alston Cabell, peral representative of the Governor of Virginia, and others responded to informal toasts. There was no set programme and this fact rendered the sion all the more enjoyable. Governor Glenn and his party returned to Raleigh to-night. The North Caro-lina, when she was launched to-day. was 61 per cent. completed, a more advanced stage of construction than warship that has been turned out by the shippard here on a launching accession. R. W. VINCENT.

## THE NORTH CAROLINA.

spleted She Will Take ank, in Point of Speed and En-trance, With Any Warship Affont Battleship That Floats, She
Also be Fleet Enough to the Enemy a Clean Pair of Should the Tide Turn let Her—Detailed Description completed the armored

iser North Carolina will take rank a point of speed and endurance with warship affoat, and in many rects will surpass anything of which navies of the world now boast. her construction, armament quipment will have been embodied he practical knowledge gained by eximents and experience of a decade, the lessons taught by a modern war, the fruits of the brains of the world's best marine architects—the naval constructors of the United States, and the brawn of the best equipped shipyard on the globe-the Dock Co. Equipped with an array and torpedo tubes that frown mennored deck, the cruiser North Carosefully the most formidable affoat. Nor is that all. To be fitted with twin screws, tripexpansion engines, capable of developing not less than 23,000 horse-power, and a speed of 22 nautical knots, or about 27 miles an hour, this great vessel, should the tide of battie turn against her, could easily show the fleetest of her enemies a "clean pair of heels," as the sailormen say, in a race to a safe haven.

HUGE IN SIZE. Some idea of the huge size of this winthan of the deep may be gleaned from the statement that the ship, set down on Tryon street, would exof from the Buford Hotel corner to about the city hall, and her width fortably between the buildings on either side, the street being slightly over \$8 feet wide and the ship nearly \$7 feet beam. The tops of her military masts would pierce the skyline far above the top of Charlotte's building. To size a tides of tallest building. To give an idea of the immense amount of work ind in the construction of this at fleating engine of war, it is a et that work was begun on the ship March 21st, 1905, and the ship will not be completed until the latter part of January, 1908. sary, 1908.

guns.

Its enormous cost is another item interest to the landsman. Though contract price with the shipbuildcompany was \$3,575,000, that by represents only the bare hull nd machinery, and does not con-implate the armament and paraernalia necessary to outfit a mau-Completed, the great sh.p will represent an expenditure of bout \$7,000,000, a sum too wast for verage comprehension.

ly as armored cruiser "No. 12." plans and specifications were inches of armor in front, and to have two inches of nickel steel for protective deck and will be 5 to the protection of t ling & Dry Dock Company Januor right astern, respectively; other
or right astern, respectively; other
to be completed in thirty-six
side train. All of the s-inch guns
the, or in January, 1908. The
will be so arranged that their must keel was laid March 21st. 1905. keel was laid March 2 lst, 1995.
o-day the ship was launched,
he ship, mind you, that is deelsewhere in The Observer, but
it steel shell, bare, grim and
ding, though, to the eyes of a
man, with lines as graceful as
in. This shell or bull was towed
that the hig drydock, the war deek being flat amidships, but sloped a substructed side when it is desired to a longside a pier or vessel.

The 3-inch guns will be mounted as follows: Six in sponsons on the gun deck six in broadside on gun deck six in broadside on the gun deck six in broadside on the gun deck six in broadside on the gun deck six in broadside

end to the Navy Department

BONUS ON SPEED EXCESS.

BONUS ON SPEED EXCESS.

If the contract speed of 22 knots an hour be exceeded on this trial trip the builders will receive from the government a handsome bonus. She must fulfill the contract requirements or the builders will have much of their work to do over again. Then will follow the making out of the ship's complement of officers and crew. Trained men in every branch of the naval service, some on shore duty, others on other ships, and men from fureign and domestic stations in Uncle Sam's dominions will be detailed to duty on the new acquisition to the navy, and within a few weeks, with the precision and speed which follows magnificent discipling the crew of 40 officers and 789 men will be complete. The saip 789 men will be complete. The saip will then be "put into commission." "Old Glory" hauled to her masthead and the official naval speed, en-durance and gun trials will folicy before the North Carolina is formally assigned as the flagship of some fleet, for that is what her su-perior qualities entitle her to be rated as—a flagship. She will carry a band and a full company (60) of

A detailed description of the vessel ollows. Her dimensions will be: Length on load water line, 592 feet; breadth, extreme, at load water line, 72 feet, 10 1-2 inches; displaca-ment on trial, not more than 14,500 mean draft to bottom of keel at trial, displacement not to exceed 25 feet; total coal bunker capacity, about 2,000 tons: coal carried on trial,



Miss Rebekah Williams Glenn, daughter of the Governor and Mrs. R. lenn, who was sponsor for the great cruiser which bears the State's name

The vessel is to be heated with steam throughout.

The weight of all machinery and tools, stores and spare parts will be about 2,060 tons. This weight must include all articles except shees supplied by the government, irrespective of name or use, coming under the cognizance of the bureau of steam engineering, including water in boilers, condensers, piping, etc., but excluding the reserve feed water in the forward and aft, and a flying bridge bottom or tanks.

The following suxillary steam machinery of approved make and dependencies, is to be installed complete: Steering engine, windlass engine, sath-holst consist of not less than 4 units, having a total capacity of 23,000 gallons of fresh water per day; a distilling apparatus capable of condensing at least 23,000 gallons of water per day.

The vessel shall be lighted through-

MENT.
The vessel shall be lighted through

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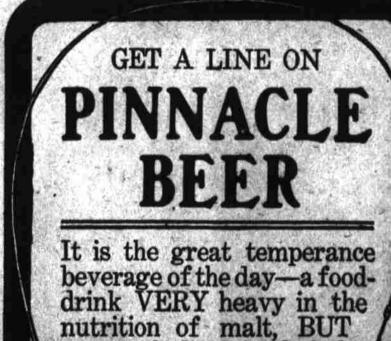
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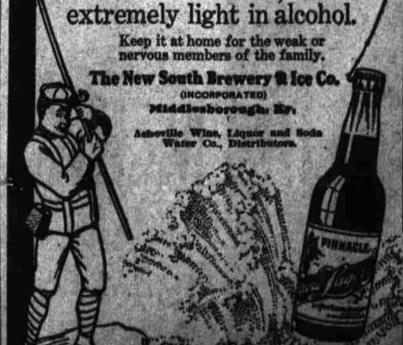
SOLD BY ALL DRUGGISTS

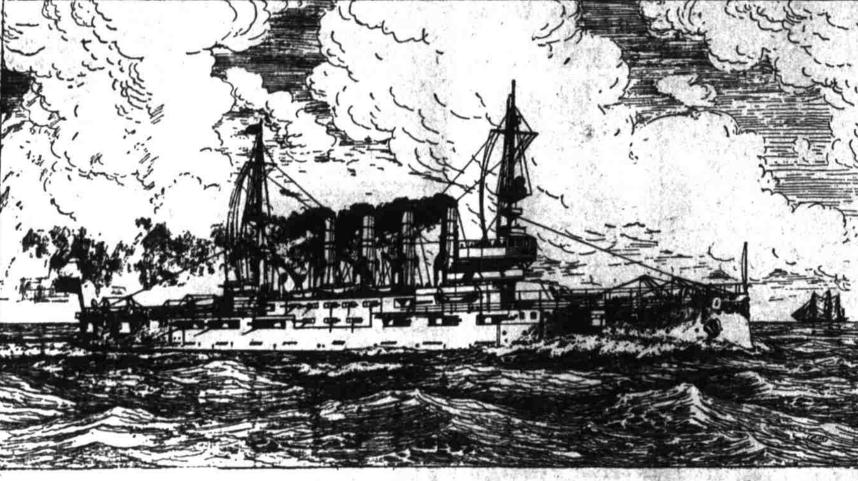
Harris Lithia Springs Co.

Harris Springs, S. C.

15th to September 15th.







THE ARMORED UNUISER "NORTH CAROLINA," AS SHE WILL APPEAR WHEN COMPLETED.

ties, and the brawn of the best sipped shipyard on the globe—the wport News Shipbuilding & Dryck Co. Equipped with an array monster, modern breech-loading se, rapid-fire and automatic guns is torpedo tubes that frown mennence is torpedo tubes that frown mennence and fighting top, and protected as held of sending top, and protected as the cruiser was nothing as the cruiser and signal system. The displayed on halyards from the strucks of the same of the will appear when formally turned of sending for miles over the billows a projectile weighing 285 pounds. The rear turnet is similarly equipolated over to the Navy Department to be commissioned. When she was launched and carries two guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same size. The secondary battery of small rifles, automatic and semiautomatic guns of the same by a beit of heavy steel from the steel hull, of graceful lines, but without any of the frowning guns or upper will be capable of attacking works depicted. She is 504 feet long and aft of the center, six on either a raking fire ahead or astern. A good view of the foward turret is given in

bridge and pilot house, built around bridge and in the firing tops susand over 78 feet wide amidships. The pended above it on the masts the concave projections in the forward small-calibre guns are shown, these but both are below decks and not visand extreme after parts of the ship being used for sharp-shooting, and are the sponsons. The twelve cu-rious apertures built into the hull fore in close quarters. About midway the military mast is the great, high-powside, are gun ports. They are pro-vided with long-range, rapid-fire rifles, which revolve and can deliver enemy's torpedo boat could be picked

the cruiser amidships. Abaft, or be-hind, the turret, can be seen the lowered to the water. The funnels give air to the firemen and coal passthe forward military mast. On this era at work down in the bowels of the ship. The quarters of the crew are forward and those of the officers aft, ible in the picture. The round portholes which dot the sides of the vessel afford light and air to these living quarters.

At the peak of the after mast may be seen the two-starred flag of a rear admiral, denoting that the vessel is the flagship of her fleet or squadron. deadly work. Smaller search-lights At the extreme stern of the ship "Old

Glory" files from the taffrail. When

AMMUNITION SUPPLY.

Magazines and shell rooms are so

rranged that about one-half the total supply of ammunition will be carried at each end of the ship. Magazine bulkheads adjacent to heated compartments, such as the firerooms, engine rooms and dynamo rooms, or to coal bunkers, are arranged with ventilated air spaces .

The ammunition for 6-inch and smaller guns will be conveyed by hoists directly from the ammunition rooms or ammunition passages to the deck on which it is required, or as near that as possible. These hoists will be driven at constant speed by an electric motor, and will be arranged to 'deliver at least eight pieces per

holst per minute.

The number of holsts will be as follows: Sixteen 6-inch, fourteen 3inch, 3-pounder and 1-pounder com-bined and sufficient whip hoists to the tops. For handling ammunition along the passages six horizontal ammuni-tion conveyers, operated by electric motors, will be fitted in the ammunition passages for the transfer of am-munition from the handling rooms to the base of the hoists.

The turret guns will have turret

ammunition hoists, operated by elec-tric power, leading from the handling rooms to the turrets. The handling rooms will be isolated from the turrets. The turret ammunition hoist motors and controllers will be in-stalled under the specifications of the bureau of ordnance.
For transporting 10-inch ammuniarmor, and 2 inches thick behind 10-

tion, torpedoes and war heads, trol-leys and tracks will be fitted in the handling rooms, passages, shell rooms and other spaces as may be neces-

PROPELLING MACHINERY.

weather to guard against collisions or other accidents and also in time of war, to detect the approach of an Altogether, the cruiser North Carolina will be one of the most beautiful fighting ships of the world, embracing two important points; heavy armament, giving her ability to attack the biggest battleship affoat, and high speed, the ship being designed to make something like 27 miles an

hour. She will draw 25 feet of water when completed and will have cost the United States government about \$7,000,000

capacity (no units to be less than 100-

kilowatt capacity), driven either by

reciprocating engines or turbines, all generators to be of 125 volts pressure

the terminals and disposed in two separate and independent dynamo There will be fitted all the usual means of interior communications, such as telephones, voice pipes, call bells, buzzers, gongs, annunciators, engine and steering telegraphs, revolution lution and rubber indicators, heeling indicators, fire alarms, warning signals, alarm signals, turret-hoist indi-

nals, alarm signals, turret-hoist indi-cators, electric logs, etc.

With the exception of the auxili-aries previously mentioned to be op-erated by steam, all power on board of the vessel will be electric—as, for instance, refrigerating plant with a cooling affect of 4 tons of ice per twenty-four hours, boat cranes, deck winches, turret-turning motors, ven-tilation-fan motors, etc.

tilation-fan motors, etc.

All main compartments of the ship below the gun deck, except the coal bunkers, are to be provided with forced ventilation, there being not less than 27 blowers, with a combined capacity of not less than 110,000 cubic feet per minute. Special attention will be given to spaces subject to habituary high temperatures, such as en-gine rooms, fire rooms and dynamo rooms. The ventilation system will be designed to cut the minimum number of water-tight bulkheads. All fans except forced-draft blowers are to be electrically operated.

electrically operated.

The coal bunkers will be arranged with satisfactory reference to the rapid and sufficient supply of coal to the fire rooms and for a maximum capacity of about 2,000 tons. There will be provided for coaling not less than 6 winches, 12 booms, and all necessary fixed chutes, scuttles, hatches and other openings.

There will be 2 billboards and 2 hawse pipes; each hawse pipe to be so designed that stockless anchors may be stowed in it. There will be 3 heavy anchors, one of navy type and two stockless, and the usual smaller ones. Anchor windlass with vertical spindle wildcats, anchor davits, securing and tripping gear, controllers, ring bolts, riding bitts, cleats, pad eyes, and other fittings will be provided.

BOAT EQUIPMENT.

BOAT EQUIPMENT. BOAT EQUIPMENT.

The following boats supplied by the government will be carried, adequate provision being made for their convenitent stowage and handling, four electrically operated boat cranes, the necessary boat dayle, adjustable boat chocks, and all necessary fittings being provided for this purpose:

One 50-foot steam cutters.

Two 36-foot steam cutters.

Two 36-foot saling launches.

Four \$6-foot alling launches.

up and dispatched before it got in its the picture. Protruding from it can are located on the bridge. High up 900 tons; feed water carried on trial, stepped down at the ends; to be of a protective deck to the height of berth out with electricity. The electric plant 66 tons.

| Stepped down at the ends; to be of a protective deck to the height of berth out with electricity. The electric plant deck amidships. uniform thickness of 5 inches The hull is to be of steel through- throughout the machinery and magout, in accordance with the "specifi- azine space and 3 inches forward cations for the inspection of hull and abaft this. The upper side armor will be dis-

material." posed in value of the 6-inch battery and will extend from the gun-deck THE ARMAMENT. Main battery: port sills to the main or upper deck and will be 5 inches thick throughout. Nickel steel 2 inches thick will be disposed in wake of the 3-inch

Four 10-inch breech-loading rifles. Sixteen 6-inch breech-loading ri-Four submerged torpedo tubes. battery/ Secondary battery: Twepty-two 3-inch rapid-fire guns

Athwartship armor of 6-inch uniform thickness will be fitted from the protective to the main deck. The up-Twelve 3-pounder semi-automatic rapid-fire guns. Four 1-pounder semi-automatic per and lower athwartship armor to extend from the shell plating to the Two .30-caliber machine guns. 10-inch barbettes. Two .30-caliber automatic guns. Two 3-inch field guns.

The 10-inch barbettes will extend from the protective deck to about 5 The above battery complete will be feet above the main deck, and will furnished by the government, and consist of 8-inch armor in front and will be mounted as follows:

4-inch at the rear below, and 6-inch Ten-inch guns in pairs, in two elec-trically controlled, balanced, elliptical turrets, on the center line, one for have any special framing, an efficient ward and one aft, each with an arc of connection of the armor to the decks fire of about 279 degrees.

Six-inch guns, four in independent will have a front plate 9 inches casemates on the main deck, the remainder in broadside on the gun plates 7 inches thick and top plates deck, all on pedestal mounts, those SOME IMPORTANT FACTS.

The act authorizing the construction of the North Carolina, which, armor, each gun being isolated by door 6 inches thick. Signal tower to the North Carolina, which, armor, each gun being mointed by door 6 inches thick. Signal tower to splinter bulkheads of nickel stock be 5 inches thick. An armored tube, from one to two inches thick; case- 36 inches in diameter, will extend typroved April 27, 1904, and make guns on main deck behind five from the base of the conning tower to

> inch turret armor; other armor will be fitted without backing. There is a complete protective deck extending from stem to stern, the deck being flat amidships, but sloped at the sides throughout, and also at