MONDAY, TUESDAY, WEDNESDAY, are good days to advertise in the want columns of the "News" other good oays are Thursday, Friday, Saturday.

PART TWO.

TRUTH AND LIBERTY. SATURDAY, JUNE 20, 1903. SALT LAKE CITY, UTAH.

FIFTY-THIRD YEAR.

A STRENUOUS CITY.

WHAT GALVESTON HAS DONE FOR HERSELF BY BUILDING A SEAWALL.

THE OCEAN'S WAVES

Perhaps the most striking example of the spirit of indomitable pluck and energy in the face of a most appailing calamity, is that of the people of Galveston, Tex. On Sept. 8, 1900, a storm and tidal wave almost totally destroyed the city as well as almost all of the coast country of the Lone Star state, Nearly 20,000 lives were specificed to the ray ages of the cataclysm

STAYING OF

devastated.

hearts.

spent



SCENE SHOWING RIPRAP AND FOUNDATION OF SEAWALL

Special Correspondence, HAT the dawning of the twentieth century brought about the accomplishment of greater things in all phases of American civic enterprise, there is no possibility of doubt. It has

ideals, renewed energies and the desire to do things never before attempted. It is, in short, the beginning of an era of the accomplishment of things never before dreamed of as possiblifties. There have, in times past, been strenuous periods in the life of almost every hamlet in the western hemisphere, but never has there been a period so filled with the get-ahead-andstay-there spirit as exists at the presstay-there spirit as exists at the pres-ent time. Each and every city in America has its ambition to surpass her sister city, if only in the matter of having better streets or more manu-facturing enterprises. There is now, ot all times, one ambition is self of alveston is situated upon that is simply to outdo one's neighbors in civic development. This ambition is truly American. To attain the highest imeanhood are brought into action. The impassioned desire allows no hesitating or stopping of the wheels of progress. stay-there spirit as exists at the pres-ent time. Each and every city in America has its ambition to surpass her sister city, if only in the matter of having better streets or more manu-facturing enterprises. There is now, at all times, one ambitious desire, and that is simply to outdo one's neighbors to divide development. This ambition is

ed. The world wept for their deal and contributed handsomely to their relief. They buried their loved ones and then looked about for something to promise encouragement for faint hearts. Few were the days idly spent in considera-tion of the problems before them. Stout hearts—American hearts—proclaimed that a "Greater Galveston" would rise ushered in an area of loftier

rom the debris. Today the world knows little of the achievements gained by these survivors of one of the most appalling disasters which ever overtook an American com-munity. They went about the accomplishment of a task as unprecedented as wer the calamity in the annals of American clvic history. This task was the provision of a means of a protection egainst the recurrence of such a com-bination of wind and water as had been experienced. Counting the cost was of minor importance, as permanence and stability were the two fac-

est point reached by the water in the storm of 1900, its width at the bottom to be 16 feet and at the top five feet. city and federal governments have done much toward its improvement, the lat-ter having expended more than ten miltions of dollars in jetties, dikes and other deep water improvements, besides the erection of three modern forts, and is continuously improving other natural facilities. The port ranks first in the export of cotton, cotton by-products and exports annually millions of bushels of wheat and corn and thousands of tong of other commodities. Scores of steamships and railway lines are necessary to handle this enormous business. The products of the entire middle west find this the natural gateway to the markets of the east, and of the world,

homes of as many more were devastat- | lars were regulred to execute the plans ed. The world wept for their dead and | selected. For this an issue of 4 per cent county refunding bonds was deem-ed most expedient, and a "seawall bond election" was called for. The result of that election is the greatest testimony to the real spirit of protectestimony to the real spirit of protec-tion that could be imagined. Out of a possible population of 50,000 in the county there were only three votes cast against the proposition. The issue was made and subscription books for their sale were opened. Bonds in denomina-tions of from \$100 to \$5,000 were print-ed. The population, almost to a man.

ed. The population, almost to a man, bought the bonds. Laborers stood bought the bonds. Laborers stood shoulder to shoulder with capitalists in the promotion of the sale. One pur-chased according to his ability and be-fore the expiration of two years the full amount had been subscribed and the actual construction of the wall was inausurated. The first piling was driven for the wall proper on October 97, 1602 27, 1902.

which varies along the beach from 30 to 42 feet below the surface. Soundings were made all along the route, and the piling cut the proper length to reach clay bottom. This is the first section of

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problems before them. Stout hearts-American hearts-proclaimed that a "Greater Galves-

ton" would rise from the debris.

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laved ones and then

in consideration of the

The second section is the driving of sheet pillng, which to be clearly under-stood, is heavy timber that is driven in a straight line outside the round piling on the Gulf side and serves as a protection from undermining by the Gulf. The sheet piling is close together and may be compared with a heavy board ence driven down to clay bottom with the boards upright.

The third section of the seawall work is the laying of the concrete foundation. A trench over the rows of piling is dug three feet deep, and into this the

is dug three feet deep, and into this the concrete, the same as is used in the wall, is placed, with two grooves in it where the fall proper fits in. The fourth section of work is the placing of the granite places, on rip-rap, in front of the wall. These large granite places, some weighing a ton each, are piled promiscuously in front of the wall on the Gulf side from three to five feet high, and, extending out in-to the Gulf 27 feet from the wall, this serves as a further protection to the wall and its foundation from underrinn-ing. The weighty store will in time ing. The weighty stone will in time gradually sink into the sand beach and form a solid bed of granite in front of placed in position after the foundation is laid by a steam derrick, which picks up each stone from the car and deposits it in place in the pile of rip-rap



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the board of seawall engineers inter-sects said street, thence east-wardly along the north line of Eroadway to its intersection with the west line of Thirteenth street; thence northerly along the west line of thirteenth street in the south line of Avenue A; thence castwardly clong the couth line of Avenue A to

may

world a monument as an exemplifica-tion of civic pride and ambition not to be seen in any other American city, n matter what enterprise is concerned.

A STILL GREATER EFFORT. This seawall, however, does not com-plete the ideal conditions sought by the

the of Avenue A; thence eastwardly along the gouth line of Avenue A to the line of said-seawall site; thence with the line of the said seawall site to its terminus at Thirty-ninth street; thence with the site of said levee so designated to its intersection with Reaching at Forth dith street. strenuous life of this city. An additional two millions of dollars is being accumulated for the purpose of raising that part of the island occupied by the city to an even height with the seawall. It is proposed that the city be filled with sourd number of by budgather designated to its intersection with Broadway at Forty-fifth street, Second, in point of time: Any portion of the following deseawail. It is proposed that the city be filled with sand pumped by hydraulic power from the sea, or otherwise, to raise the grade to 16 fect next to the wall and sloping to the present grade of about eight feet on the bay shore, or north side of the city across the island. For this purpose the state government is remitting a portion of all taxes paid by the city for a period covering 17 years. A bond issue will be made and the remitted taxation will make the bonds secure. The bill and charter probonds secure. The bill and charter pro-vide for the issuance of these bonds and strictly forbid that this money be used except for a sinking fund for the bonds which must be issued for the work. There is now available a little over \$257,000, which can be used in pur

thasing bonds. This is better explained by the provision in the grade raising bill passed by the legislature with a view of aid Galveston in this undertaking

city of Galveston will afford to the the board of seawall engineers inter- 1 commissioners of said city, to wit: All

commissioners of said city, to wit: An that part of the said city between Thirteenth and Thirty-ninth streets and north of Broadway. Also provides that the city commis-sioners shall have the right to expend not exceeding \$100,000 in raising the grade of the streets, avenues and alleys is now new orthe city. in any part of the city.

Before many more years shall have passed the world that wept for the stricken people of this beautiful Island City will applaud the survivors for their indomitable energy.

Galveston will be her own mistress and defy the wind and wave, and her scribed part of said city of Galveston may be designated to be filled and raised to grade by the board of enterprises will be lasting testimony of what real genius and pluck America can produce

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impassioned desire allows no heritating or stopping of the wheels of progress. "On to an ideal condition" is the slogan of the modern municipality; nothing **phort** of the achievement will be count-enanced. Every branch of modern, upte-now arts, mechanics and engineering are the necessary adjuncts in the pro-per government and dispensation of the greatest good to the greatest number

in any municipality with twentieth cen-tury ambitions. The last haif of the nineteenth cen-tury witnessed the real evidences and accomplishment of many of the once so-called or merely imagined conditions of municipal struggles and size Enof municipal struggles and aims. Env gineering, electrical and mechanical feats, were performed not draumed of during the first half. That era saw wonderful developments in scientific research

Coupled with all these achievements there were failures, but they were few, There were disasters which brought grief to millions of hearts. In all of this latter, however, the real push and pluck of Americanism suffered not.

GALVESTON, A STRIKING EXAM-PLE.

PLE. Perhaps the most striking example of this spirit of indomitable pluck and energy in the face of a most appalling calamity, is that of the people of Gal-veston, Tex. On Sept. 8, 1900, a storm and tidal wave almost totally destroyed the city as well as almost all of the coast country of the Lone Start state. Nearly 20,000 lives were sacrificed to the ravages of the cataclysm and the

PLANS FOR PROTECTION.

storm of 1800, its whith at the bottom to be 16 feet and at the top five feet. The sea face of the wall to be curved so that its upper portion will be vertical. The foundation to be built on piles pro-tected from undermining by sheet pfl-ing and rip-rap. To be located back from the high water line, where the ground is about three feet above mean low tide. Back of the wall to be filled in on a 200-foot level. On top 35 feet to be laid with vitrified brick, to pro-vide a driveway of 30 feet and a prom-enade pavement of nine feet, including four of the five feet of top of wall. Back of the pavement 60 feet of the level em-bankment to be sown in Bermuda grass. This, they said, must constitute the kind of wall needed to encircle the eastern end of the island and Gulf side of the city, and not impair the beauty For a means of holding and protect-For a means of holding and protect-ing this enormous business, then, there can be little, wonder that following close upon the heels of even so great a calamity the surviving population should proclaim even greater things for the city's future. For this protection a seawall or breakwater was proposed.

Few there were who realized the stu-pendousness of such a task, but with

IS ENGLAND'S CRITICAL PROBLEM.

of the city, and not impair the beauty of the magnificent beach. THE ACTUAL CONSTRUCTION. The accompanying photographs of the work as it appears today shows the determination of the Galveston peo-To more clearly understand

the

The fifth section of work is the construction of the wall proper. The wall is being built just as the engineers recommended, and is 17 feet above mean low tide, or one and three-tenths feet higher than the highest point reached by the storm of Sept. 8, 1900. The granite concrete is put up in al-ternate sections of 40 feet each.

Four steam pile drivers are employed in driving the piles, and each averages 100 feet of piling driven each day; that is to say, 100 lingal feet of the foundation, as every row of piling means the driving of four of the sticks, which av-erage 42 feet in length each.

The concreté foundation, laid in sec-tions, is given about 10 days or so to settle. After the foundation is laid the rip-rap, or apron in front of the wall, is laid before construction of the wal proper is begun. PROGRESS OF THE WORK.

All of this is now actually building. The pile driving forces are rapidly near-ing the terminus of the eastern end of the island, where the wall will join the south jetty. When this feature of the work is finished the driving plants will be removed to the foot of Sixteenth street on the beach and the foundation forces will commence laying the foun-dation westward to Thirty-ninth street where the wall will terminate. Con struction was commenced at the foot of Sixteenth street and prosecuted east-ward so as to inclose the eastern end of the island first, as this is considered the vital part of the sea protection. A length of nearly 2,500 feet of the wall is

now complete. Provision has been made for working westward from Sixteenth street and tracks are being laid upon which the material is delivered for the construc-tion. These tracks are laid just behind the site of the wall and all the material is delivered in cars and fed from the cars into the wall. When the whole is completed, which

scribing the handling of the money Section 5 of the grade raising law says "The moneys herein and hereby granted and donated to the city of Gal-veston are declared to be a trust fund, for the purpose of aiding the city of Galveston in paying the interest and sinking fund upon an is-sue or issues of bonds, the proceeds of which bonds are to be used exclusively for the elevation and raising of the streets, avenues, alleys, sidewalks and lote in sold city above on unitous correots in said city above calamitous over-lows, and for securing and protecting such filling. The use or diversion of such moneys for any other purpose whatever is hereby prohibited; pro-vided, that whenever the moneys in the hands of the city treasurer received from the state under the provisions of from the state under the provisions of this or any previous law shall exceed the sum of one year's interest and 2 per cent sinking fund on the bonds berein referred to that have been is-sued and are then outstanding, such excess shall be invested by the city in the purchase of said bonds. A violathe purchase of said bonds. A viola-tion of the provisions of such section shall constitute a misapplication of public money, and the person or per-sons so offending shall be punished as provided for in article 96 of the Penal Code of Texas." The following extracts from the new

charter are self-explanatory and interesting:

esting: Section 69 provides for the issuance of \$2,000,000 bonds of \$100 each, 5 per cent, due in fifty years, etc., "and their pro-ceeds shall be used and expended for raising and filling to grade the avenues, streets, sidewalks, alleys, blocks, out-lots and lots in said city, viz:

First in point of time: Beginning at or near the northerly or Gulf end of Twenty-fifth street of Rosenberg avenue and north of the sit the Galveston seawall, as designated y order of the commissioners' court of ialveston county, and filling easterly nd westerly therefrom, simultaneously overing the same area.

The territory to be so filled is bound-d and described as follows: Beginning at the intersection of the north line of Broadway and Forty-fifth

will be done in less than one year, the street, where the levee designated by



COV. MYRON T. HERRI

Col. Myron T. Herrick is the Republican gubernatorial candidate of Ohio. He is a man of magnetic personality and one of the most popular candidates who has ever represented his party in the state of Ohio. His candidacy is nationally important on account of the prominent part Ohio plays in national political affairs

FLOOD DISASTERS TURN STREETS INTO RIVERS.



This authentic snapshot, by our special photographer, gives a graphic idea of how the streets of the various towns affected by the great floods of Missouri, Kansas and Illinois appear after the feil work of the inundation. The streets, as the picture shows, are now rivers of from three to twenty feet in



The question of the hour in England and throughout the British empire is the fiscal proposition of Colonial Secretary Chamberlain to abandon England's free-trade policy. Although side-tracked in the commons by Premier Baifour's recent adroit speech, the question by its importance continues of first prominence in the public eye. The enemies of the government are seizing the opportunity to work for the overthrow of the administration. In this event Lord Roseberry would probably be made premier. Above are pictures of Rosebery, Joseph Chamberiain, who in this measure has reached the crisis of his career, and Campbell Bannerman, leader of the opposition.