## BIRD'S-EYE VIEW OF THE PAN-AMERICAN EXPOSITION.

We have so recently (November 10 and November 24) described and illustrated the general scope and the recent progress of the Pan-American Exposition that the accompanying bird's-ege view will be perfectly intelligible to our readers without any lengthy elaboration on our part. The point of view is supposed to be an elevation beyond the water gate, at the extremity of the large lake, which will form one of the most delightful landscape features of the Exposition. The Lake, including the North Bay, is approximately threequarters of a mile in total length, and its sloping and gently undulating shores will be richly wooded down to the water's edge. To the left of the lake is seen that architectural gem, the Albright Art Gallery, its gray-white marble walls and columus showing in vivid contrast amid its setting of greensward and foliage. Descending the broad marble flight of steps and turning to the leftover a bridge which separates the main lake from what is known as the North Bay, one sees across the latter sheet of water another marble building, not so large as the art gallery, but scarcely less charming in its architecture and landscape setting.
After crossing the bridge, and swinging somewhat to the right, one enters the magnificent main approach. to the Exposition buildings, and the ege ranges through the long perspective of the Fore Court, the vast Esplanade, capable of holding a quarter of a million people, the Court of Jountains and the Grand Basin until it is arrested by the towering mass of the noble Electric Tower-the dominating architectural feature of the whole Exposition. To the right of the approach are the Ordnance exhibits, and adjoining them the numerous groups of buildings devoted to State and Foreign exhibits. Following down the main approacb and through the Fore Court, one reaches the oruamental bridge which leads into the Esplanade. Inclosing the right wing of the Esplanade are the United States Government buildings, and the left wing is shut in by the Forestry and Mines building, the Horticultural building, the Graphic Arts building and the Temple of Music. Passing through the Explanade, whose shorter axis measures 450 feet and its longer 1,700 feet, the visitor is confronted by the Fountain and Cascades, which, together with their setting of greensward and flower beds, extend down the main approach for 700 feet. Beyoud the Cascades is the Mall, a broad, imposing concourse, extending entirely across the grounds, which measures 150 feet in width by 2,840 feet in length. Here one is confronted by a sheet of water 350 feet by 400 feet in length, from which there towers nearly 400 feet into the air the massive and pre-eminently graceful structure of the Electric Tower. To the right and left of the Bascades are the buildings devoted respectirely to Manufactures and Liberal Arts and to Maciniuery and Trausportation, each of which is 350 feet in width by 500 feet in length. At the back of the Liberal Arts building is the stock exhibit, wisile to the rear of the Transportaion building are 9 rouped in one structure the various offices of the administration. To the right of the Electric 'Iower is the building, 500 feet in length, devoted to Agriculture; while to the left of the Basin is another building of similar dimensions devoted to the Electrical exhibit. Behind the Electric Tower is the Plaza, surrounded by restaur auts and the Propylæa, while immediately behind the Propylæa is the general station of the steam and electric rail ways. By no means least among the attractions of the Pan-American Exposition is the structure which will be given up to athletics and geu eral outdoor sports, known as the Stadium. The inajor axis of the Stadium will be fully 750 feet in length and its mi nor axis 500 feet. The arena will be laid out as an athletic field and will be surrounded by a track for contests, of speed. Seating accommodation will be provided at two sides and around one curve of the track for 12,000 people. On the opposite side of the Plaza to the Stadium will be the Midway, without which no end of-the century exposition seems to be complete, if, indeed, judged by its popu larity, it must not be considered its leading feature.

the twins before the operation.

rosalina after the separation.'

SEPARATION OF THE BRAZILIAN THORACO EIPHOPAGOUS TWINS

The present progress in the construction of the buildings and that essentially novel feature the color treatment, have been very ably dealt with in our recent articles contributed by Edward Hale Brush; and after studying the accompanying bird's-eye view, our readers will agree with him that the combination of


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the delicate, tastefully-tinted buildings with the broad plazas, the generous expanse of greeusward and shrubbers, and the various carefully elaborated elements of the landscape gardening, will produce a tout ensemble which will give the Pan-American Exposition the lead ing place for beauty among the great expositions of the closing years of the present
century.

fig. 3.-Anterior view of fig. 4.-thoracic viscera of croveilhier’s CRDVEILHIER'S FETUS.

## FETOS.

refinery in Paris is using the $\mathbf{2 0}$ ton electric truck for the trauspurtation of sugar. It is intended to carry a 9 -ton load, although it has carried 17 tons. It is capable of a speed of $71 / 2$ miles an hour, and 25 miles can be made without recharging. Electric motors are used to steer the twu front wheels. The company will, it is said order ten other trucks of similar construction. bridged the two cavities and occupied two-thirds of the connrecting space. Beunion bridge was a second bridge formed by the then of the two mesenteries. After the cartilage in twe median line had been severed, still another bridge two centimeters long was discovered, formed by the union of the two pericardial sacs. The separation of this third bridge was a most delieate task. When the anustomosing branch of the two mammary arteries was severed, the blood streamed out in a red deluge. The noints were seized and the hemorrhage controlled. The imprisoned tissue was cut, and the edges of each sac sul ured wilh cat gut. To prevent the intestines of the one body from passing into the other body, the mesenteric bridge was ligated with silk at two points; the intermediate portion cut, and the intestines placed in their proper positions. The nlenra of Maria, it was fuund, extended across the line of union. This unforeseen difficulty was overcome by detaching the parietal pleura, and connecting it by means of a fiue cat-gut suture with the median fold, which adhered to the pericardial bridge.
After the internal parts of the thorax had been thus separated, operations on the other side were begun. The skin and cartilage opposite the first incision were severed to expose the liver. Skilfully the surgeon cut the liver so as

