A REALISTIC CHARIOT RACE.

The Masterpice of American Stage Mechanism and How it is Worked in "Ben-Hur."

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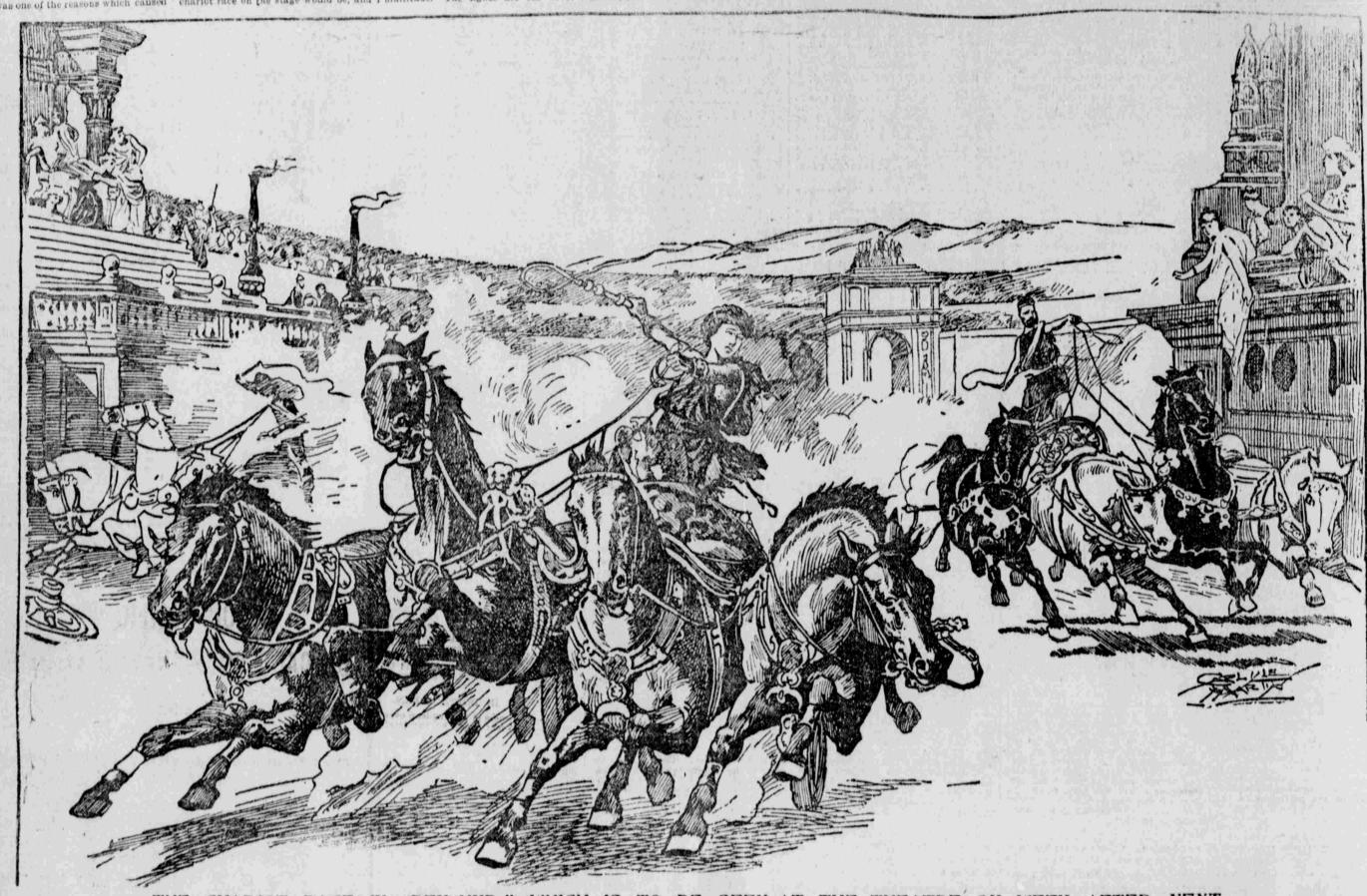
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THE CHARIOT RACE IN "BEN HUR," WHICH IS TO BE SEEN AT THE THEATRE ON WEEK AFTER NEXT.

SOUTH'S MUSEUM.

Civil War Relies Stored in the White House of the Confederacy.

EXHIBITS OF CREAT INTEREST.

Mementoes of Jeff Davis and Generals Draw Together Veterans of Blue and Gray.

Special Correspondence. Richmond, Va., Oct. 12 .- Of the many historic features of this old southern city none is more interesting than the Confederate museum, once the White House of the Confederate States of Amer-To the northerner scarcely less than to the men and women who knew it as the seat of a government to which they gave the best years of their lives the relics which it enshrines are inspirations to stirring memories. Here soldiers of the blue and those who wore the gray meet tu amity to talk of the strenuous days

under the roof which once sheltered Jefferson Davis and his cabinet. If the museum guide should ever write his memoirs they would contain choice bits of unwritten history gleaned from visiting veterans. A northerner who was

of their youth, and many an acquaintance begun from opposite sides of the firing

line has been cemented into friendship

here recently told the guide that he had



OLD DUST MAKES HARD WATER SOFT

at Fortress Monroe and that he had cut a button from the coat which Mr. Davis wore while in his charge. The guide was able to show him the coat, and the button which the northerner said he had taken was found to be missing. The sentinel who relieved him, the northerner said, had coveted Mr. Davis' meerschaum pipe, but, knowing the president to be an inveterate smoker, he had spared it. There was no pipe of the former president on exhibition, but a search through forgotten drawers revealed the pipe, stained half an lineh down the bowl by constant use, showing what a consolation it had been to the president in his capitivity. Another visitor not long ago was relating an incident in which he, a southern soldier, had unexpectedly encountered an armed northerner who had refused to shoot at him. As he was asserting that he would know the man if he should see him again a man came forward, saying that he was that Federal soldier. The southerner recognized him, and the two went off arm in arm to examine the building.

The museum building is of interest in itself apart from its Civil war history. Erected by Dr. John Brockenbrough in the early days of Richmond, situated in what was then the fashionable quarter of the town, it is a type of the city homes of Virginia gentlemen in the latter half of the cignteenth century. It was sold by Dr. Brockenbrough to James Morson and by him to his cousin, James Seddon, later Jefferson Davis' secretary of war. The city purchased it from Seddon and made it the executive mansion of the Confederacy. For a number of years following the war, when Richmond was under martial law, it was used as headquarters by General Weitzel of the Union army, and when vacated by him it became a public school. Several of the southern states have rooms in which they exhibit their particular relies. In the Missouri room, which used to be President Davis' private reception room, is an elaborate collection of the former president's personal effects, including wearing apparel, his cane and Bible and similar possessions. A calico dress belonging to Mrs. Davis which cost \$1,900 illustrates the inflated prices of war times. In a c able to show him the coat, and the button which the northerner said he had

House,

The contents of the Virginia room, formerly used as a diningroom, cover 70 pages of the printed catalogue. A few of its miscellanies are the table on which the ordinance of secession was signed, John Brown's pike and a portrait of Edmund Ruffla, who fired the first gun in the assault on Fort Sumter. Souvenirs of Lee, Jackson and Stuart are preserved in separate cases, the cont which Lee wore at Apponenticx, his camp chest and saddlecleth and a lock of his hair, the Confederate flag which was wrapped about Jackson's casket, a handkerchief stained with his blood and the gold spurs given to him by the ladies of Baltimore, an ostrich plume worn by Stuart at Gettysburg, his battle flag, saddle and camp equipments being among them.

The salient features of the Kentucky room are a painting of General John C. Breckinridge and mementos of General J. H. Morgan, one of them the rope made of buditeking by which he escaped from the Ohio state penitentiary.

In the Arkansas room are giver spurs worn by General Albert Sidney Johnston at the time of his death and the flag carried throughout the war by the Ninth Arkansas infantry.

The most beautiful relic in the whole building is the sword casting \$1,990 in gold presented to General Sterling Price by the women of New Orleans. A portion of a flag carried by his division, donated by Mrs. Leitia Tyler Semple, daughter of President Tyler, is another souvenir of this distinguished officer. contents of the Virginia room, for-

SOME OF THE WONDERS OF THE SCIENTIFIC WORLD.

grown warman warmen warman warman warman and a second The great importance of completing | aid much in the work of shedding light the magnetic survey of the globe was urged by Capt. E. W. Creak in his address as vice president of the British association. When Gilbert, in 1600, discovered the earth to be a great magnet, he supposed it to be a stable one, and it was not until 34 years later that the verying magnetic declination near Lendon, proved the contrary. Observations of the changes are still lacking for a great portion of the globe away from the coasts, while still less has been done on the two-thirds covered by wa-ter. Just at present the observatories and expenditions in the Antarctic re-gions are co-operating, and it is hoped that the exact location of the south

The great earthquakes are traced by The great earthquakes are traced by a committee of the British association to eight districts, of which seven are beneath the ocean. Five fringe the shores of the Pacific, one is in the Indian ocean, one in the West Indies and the eighth is in the Caucasian Himalayan region. Each of these earthquakes shook the entire earth, while the broken in strata left gave himsers. up strata left gave numerous after-shocks. The earthquake movement is propagated around the globe at the uniform rate of about two miles per second, but through the earth the rate increases with the depth to about seven miles per second.

The photoelectric selenium cell of E.

ganvaranavaranavaranavaranavaranavaranavaranavaranavarana | paper, has been able to calculate the average of the movements for differ-ent parts of the globe, not only at the surface, but at the greatest heights. one of his most important conclusions is that the hitherto assumed vertical circulation between the poles and the tropics has no existence. He finds that above the thermic equator and the equatorial calms a current from the east persists throughout the year. Above the trades an anti-trade prevails from the southwest in the northfrom the northwest in the southern; this anti-trade does not pass the polar limit of the trade, but deviates more and more to the right in the northern hemisphere and to the left in the southern so as to become a current from the west over the crest of the barometric maximum of the tropics, where it descends to increase the trade. The regions at the equatorial limit of the trade join sometimes that of the the trade join sometimes that of the trade, sometimes that of the equatorial calms, according to the season. The pressure of the air diminishes gradually toward the poles, and the upper layers of air in the temperate zones flow over the high pressures of the tropics and descend there. The irregularities at the conthing surface of the conthing surface of the conthing surface. at the earth's surface, especially in the regions of the Asiatic monsoons, disappear at the altitude of the lower

periment station, condemns this practise as really very harmful instead of beneficial. Every crown cut off is quick replaced by one to six new crowns. For keeping out the pests thick sowing with three to five bushels of carefully cleaned grass seed per acre is recommended, with thorough digging out of scattering dandelions, and new seeding or sadding when these and new seeding or sodding when these plants become numerous.

Olona, the textile of Hawaii, is found to have promising qualities. The plant belongs to the nettle family, it resem-bles ramie without the troublesome resin of the latter, and it flourishes in tropical forests at a height of 2,000 feet. The fiber proves to be extraordinarily fine, light, strong and durable. A rope fine, light, strong and durable. A rope of ordinary size appears like silk and has the strength of a ship's hawser and strands no heavier than twine are and strands no heavier than twine are as strong as wire. Nets and fish lines resist the action of salt water, having been used for scores of years without loss of strength. Garments from the fiber have the delicate texture of silk, are practically indestructible, and may last a lifetime.

that the exact location of the south magnetic pole may soon be known. The magnetic records show curious anomalies. Sometimes no change occurs in the magnetic declination in one locality while in another there will be a sudden one; and some places exhibit very remarkable local disturbances. "Magnetic shoals" have been found beneath the soa. Terrestrial magnetism is still an unfathomed mystery, and the ordinary traveler may the summer of the south of the carth's surface, especially in the regions of the Asiatic monsoons, disappear at the altitude of the lower or intermediate clouds.

Troublesome pests of the lawn are the common dandelion (taraxacum of the common dandelion (taraxacum of the fail dandelion (leontodon autumnale.) Owners of lawns and parks permit the spring cutting of dandelions for "greens" but Prof. W. M. Munson of the Maine Agricultural Ex-

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