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Finned to Construct Great Reservoirs 1

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A tremendous task is to be undertaken by the English in Egypt—nothing less than the creation, for purposes of irrigation, of a reservoir having two or three times the superficial area of Lake Geneva. Ex-Consul General F. C. Penfield describes the proposed undertaking in the February Century, in an illustrated article appropriately entitled "Harnessing the Nile." He says:
Engineering skill is to rearrange nature's surface on the Egyptian frontier, and pond back into Nubia a body of water 140 miles long, crossing the tropic of Cancer, and extending southward nearly to Korosko—a goodly step on the journey to Abu-Simbel and Wady-Haifa—by means of a great dam across the Nile at Assuan. The Pyramids and the Sphink have borne testimony through the centuries to the grandeur and power of execution which dwelt within the Nile valley; and what more fitting now than that the same valley be the theater of a gigantic engineering exploit, audacious perhaps, but certain of success, and ministering to man's necessities, rather than to his vanity. to man's necessities, rather than

tie engineering exploit, audacious perhaps, but certain of success, and ministering to man's necessities, rather than to his vanity.

As a bullding nehievement the scheme is on a scale worthy of a Rameses or a Pharaoh. To create in the heart of the African desert a lake having from two to three times the superficial area of Lake Geneva, in Switzerland, and control it with scientific precision, so that the impounded flood may be turned into distant channels at will, is a stupendous undertaking. But the engineers claim that their plans can be carried out to the letter; they have estimated the exact cost of the dam. computated almost to the gallant the volume of water that will be imprisoned, and figured the necessary resistance to be provided at every point of the masonry. In Cairo, the experts of the ministries of public works and finance, likewise, have calculated to a nicety the sum from taxation that will come into the public treasury through the country's augmented productiveness.

Subordinate to the great dam, a smaller one, not unlike the barrage at the apex of the delta, ten miles to the north of Cairo, is to be made at Assiut. Its function will be to give a sufficient head to the river to force the water into the system of irrigation canals that vein hundreds of thousands of acres between Assiut and Cairo. The completion of the Cairo barrage (it was begun by Mehemet Ali Pasha, from the plans of a French engineer, but not made effective until England took the country in hand) so developed cotton culture as to add to the public revenue of the country at least \$10,000,000 annually. It may safely be concluded that the Assuan reservoir is but one of a series which will in time be constructed southward to the Victoria Nynna. The re-establishment of the Khedlwal authority at Kharloum will determine this.

The Egypt of the map shows more than 400,000 square miles, an expanse

this.

The Egypt of the map shows more than 400,000 square miles, an expanse nearly seven times as great as New England; but the practical Egypt—that which produces crops and sustains life which produces crops and sustains life—is barely as large as the states of Vermont and Rhode Island taken together. This is the ribbon-like strip of alluvial land bordering the Nile, a few miles wide on each side, and measuring not more than 10,500 square miles. The extension planned, and to be completed in the next six or eight years, wholly by irrigation, is no less magnificent in conception than the rescuing from the Libyan and Arabian deserts of 2,500 square miles, or twice the area of Rhode Island. This will be exploitation in its truest sense, and its accomplishment will be a verification of the ancient saying that "Egypt is the Nile, and the Nile is Egypt."

202 IS YOUR TURNING GRAY?

What does your mirror say?
Does it tell you of some little
streaks of gray? Are you
pleased? Do your friends of
the same age show this loss
of power also?
Just remember that gray
hair never becomes darker
without help, while dark hair
rapidly becomes gray when

will bring back to your hair the color of youth. It never fails. It is just as sure as that heat melts snow, or that water quenches fire.

ater quenches fire.

It clearises the scalp also do prevents the formation of ndraff. It feeds and nourhes the bulbs of the hair aking them produce a luxuant growth. It stops the air from falling out and gives fine soft finish to the hair swell.

AS well.

We have a book on the Hair and Scalp which you may obtain free upon request.

If you do not obtain all the benefit and you expected from the use of the Vigor, address, DR. C. AVEII, Address, DR. C. Lowell, Mass.

et fe a Great Sight-Huge Beasts Swim Beautifully.

In Fearson's Magazine IIv. Cleveland Moffet relates some stories that were told him by a celebrated hunter of big game, Peter Burgess of Bristol. Many years ago, when the world was young-er than it is now, Livy described in that wonderful way of his how ele-phants could be carried over a stream. Mr. Burgess has a similar topic—how elephants swim a river. "It is a great sight to see a line of elephants cross-ing a river with steep banks. They go own slowly, striking the ground with their trunks before each step, and never making a slip or miss, although you feel every minute as if they were going to take a header into the water. Then they wade or swim, as the case may be and they swim beautifully. Then they wade or swim, as the case may be, and they swim beautifully, not hesitating to cross half a mile of deep water if need be. I must say, however, that the sensation of sitting on the back of a swimming elephant is the reverse of pleasant; you fancy yourself on an enormous barrel which may roll round at any moment and take you under. Besides that, they swim so low in the water that you are sure of a wetting, which in India means an excellent chance of fever. Having crossed the stream, they must Having crossed the stream, they must climb to the top of the bank, and this is the most peculiar operation of all. Down on their knees they go, and with trunk and tusks dig out a footbold for themselves, and so, step by step, work their way to the top, their position being sometimes like that of a fly climbing up a wall. As they reach the top they give a lurch sideways and shoot one leg straight over the bank, then give a lurch to the other side and shoot out the other leg in the same way, which brings them into the position of a boy hanging by his arms from the edge of a roof. Then they come to their knees, and, finally, with a great scrambling and kicking of their hind legs, bring themselves to level a great scrambing and kicking of their hind legs, bring themselves to level ground again. In spite of these peril-ous ascents and descents I never knew an elephant to miss his foothold, al-though there was a case where one of the herd got stuck in the mud and sunk gradually deeper and deeper until only his head and part of his back could be seen. The rajah ordered ten other elephants to be brought up, and they were hitched to the unfortunate animal, and by pulling together at the given word brought their bellowing comrade out of the mud with a plomp like the pop of a 1,000-ton cork."

BERNHARDT ON SARDOU.

She Discribes His Methods of Conduct-ing Rehearsals. Mme. Sarah Bernhardt has begun the rehearsals of "La Tosca," the play she is to revive at the Theater des she is to revive at the Ineater des Nations at an early date, says the London Post. In an interesting letter, from which I send you some extracts, the great actress describes M. Sardou's mode of conducting rehearsals: "What has always specially struck ms," says Mme. Bernhardt, "is the very personal character of M. Sardou's methods. He gives his attention in the first place to gives his attention in the first place to the minor roles. As the work ad-vances he proceeds on larger, more general lines, until it seems as if the stage is too small and one plnes for more space in which to allow the ac-tion of the piece to develop, unham-pered by material limitations. It is said that M. Sardou is very masterful when conducting rehearsals. I have pered by material initiations. It is said that M. Sardou is very masterful when conducting rehearsals. I have found him, on the contrary, most conciliatory, and ever ready to adopt the suggestions of others when they deserve to be taken into consideration. He regards even the stage carpenters, the scene-shifters and the firemen as part of the public and is careful to note and to take hints from their impressions. In this respect he adheres to the practice of Alexandre Dumas. Like Dumas, too, he is not oversensitive as to the fate of his prose, and never hesitates to cut his text when necessary. Nothing escapes his notice. He pays attention to even the pettlest details. He tries the chairs, sees that the doors open and shut readily, chooses the dress materials and the upholesses. es the dress materials and the upholstery, studies the perspective from the stery, studies the perspective from the auditorium and mounts to the upper galleries so as to assure himself that the public in the cheap seats can see and hear everything. He lives all the roles, and at every rehearsal acts the entire play right through three or flour three plays in the content of the co entire play right into aging three or non-times over. He is very sensitive to cold and always makes his appearance muffled up in furs and a comforter. He hands his coat to an attendant, com-plains at once of the draughts, puts his coat on again and again dispenses with it. About 3 o'clock he takes with it. About 3 o'clock he takes some slight refreshment, usually a glass of port and cakes, which he shares with the actors and actresses. While thus engaged he invariably relates a string of anecdotes, of which he has a most inexhaustible fund, has a most mexhaustible fund, bearing, for the most part, of course, on the theater, but very often, too, on spiritualism, a subject in which he is deeply interested."

New Planet.

Eros is the name selected for the newly discovered little planet between Mars and the sun by Herr Witt, the discoverer, though Mr. S. C. Chandler of Cambridge, Mass., the astronomer who computed the planet's orbit, pleaded to have it called Pluto. Mr. Chandler's computation has been verified by examination of the star photographs taken at the Harvard observatory station at Arequipa, in Peru.

Seifishness is a weakness, yet it is about the strongest force some people have in them.

A spinster says the opportunity is otien a fallure than marriage.

Wares the Legislature of the Proposed Engranchments of Combined Corpora-tions and Urges the Passage of Re-strictive Legislation.

Denver, Feb. 22.-Governor Thomas yesterday sent the following message to the Legislature:

To the Senate and House of Represen

To the Senate and House of Representatives:

When I assumed the office of governor I deemed it my duty to invite your attention to some subjects of needed legislation, among which was the rapid concentration of leading industries into general systems, popularly known as "trusts." Concerning this subject, I then declared that "the combinations known as trusts have naturally flourished and expanded under the friendly influences of the present administration. In the process of absorption they have overlooked nothing. The few pursuits which yet remain outside the charmed circle are present subjects of investigation. They include some industries peculiar to the West, and some which are in competition with trusts already established. The tremendous economic and political influence of these modern aggregations needs no discussion. Whether the evit can be eradicated by peaceful methods is problematical. That is can be mitigated is highly probable.

An enactment whereby forfeiture and dissolution shall follow the director indirect merging of any home corporation into a general combination of kindred interests in other states, by whatever name such combination of kindred interests in other states, by whatever name such combination of kindred interests in other states, by whatever name such combination of kindred interests in other states, by whatever name such combination of kindred interests in other states, by whatever name such combination of kindred interests in other states, by whatever name such combination of kindred interests in other states, by whatever name such combination of kindred interests in other states, by whatever name such combination of kindred interests in other states, by whatever name such combination of kindred interests in other states, by whatever name such combination of kindred interests in other states, by whatever name such combination of kindred interests in the state in the state. If the remedy suggested be severe, it must be remembered that the disease is desperate. Many of our sister co

is founded demands a like divorce by
tween the trusts and the state. If the
remedy suggested be severe, it must
be remembered that the disease is desperate. Many of our sister commonwealths are helpless in the presence of
creatures they have brought into be
ling but can no longer control. Let us
profit by their mournful example if
we would avoid their fate.

Under ordinary circumstances a second reference to the same topic might
be justly regarded as gratuitous. Con
ditions have, however, arisen since my
induction into office, then apy arent but
not then clearly perceived, which im
pel me to again address you, and to
recommend the enactment of some onof the bills heretofore introduced and
intended to effectuate my former suggestion. These conditions are, in brist,
the projected concentration of samimportant home pursuits into the
lands of eastern combinations, and

high prices, and gathers its millions accordingly.

Apart from its manifold social, more and political dangers, the most farreaching evil of the modern trust is its inevitable absorption of the pursuits and properties which are subsidiary to it. The Standard Oil Company—originously a refiner—of petroleum—first destroyed its competitive refiners and then, as the sole customer of the oil wells, acquired them also. In rapid succession it swallowed the manufacturers of all the subsidiary products of petroleum. Pipe lines, railways and steamships have disappeared within iterapacious maw, and the end is not yet. It is now acquiring control directly or indirectly of the gas and electric light.

AGAINST THE TRUSTS.

GOV. THOMAS SENDS A MESSAGE.

Warps the Legislature of the Proposed Eacronchments of Combined Corporations and Urgos the Passage of Restrictive Legislature.

tle ranches to the other.

I trust the time has not come when a Colorado legislature will be passive in the presence of pending dangers lik these. No land can prosper or be frewhose property is congested, whose earnings are not diffused among them selves, and whose wage carners are dopendent upon the pleasure of artificial creations officered and controlled by strangers familiar only with terms of profit and loss.

These huge aggregations have not the controlled by the contro

strangers familiar only with terms or profit and loss.

These huge aggregations have multiplied marveloussly during the spast twelve months—1898 is the year of glory, but it is also the year of trusts. The people have been deverted by the pomp and circumstance of war, during which period trusts, representing 8550, 000,000 of capital, real and fetitious have been organized. We can only speculate what this means to the near future.

It is urged that the perils which many apprehend from these modern systems are largely imaginary, and that they are but a step in the process of industrial evolution, eigineered and directed by men of the highest standing and morality, whose good sense at diagh character are a guarantee of safety and prosperity. It is, nevertheless, true that the development of the modern trust has not verified such assurances. On the contrary, it has created or exposed a dual character in man. The voice that intones the litany is the same that commands a rise in the price of grain when hunger is alroad. The pen that signs a check for the erection of a church or a library is the same that commands a rise in the price of grain when hunger is alroad. The pen that signs a check for the erection of a church or a library is the same that commands a rise in the price of grain when hunger is alroad. The pen that signs a check for the erection of a church or a library is the same that commands a rise in the price of grain when hunger is alroad. The pen that signs a check for the erection of a church or a library is the same that commands a rise in the price of grain when hunger is alroad. The pen that signs a check for the erection of a church or a library is the same that commands a rise in the price of grain when hunger is alroad. The pen that signs a check for the erection of a church or a library is the same that command is requested to the cause of temperance in New York is the hand that regulates the output of the Kentucky distillegries. The influence that depicted and for the modern that period of the

waren tempts the public servant to his downfall.

I am familiar with the assertion that legiclation designed for the protection of the individual and of private property against the aggressions of the trust is communistic and prevents the investment of outside capital within our borders. Laws which are just and necessary cannot be wrong. They should not be withheld through the reproach of communism or the threat of alleged investors. That capital which will not come to us unless it may gorge itself in defiance of consiliutional safe-guards and elementary principles of justice is too dangerous to be permitted to come at all. That investor who decrands as the private of his investment the privilege of honepolizing an industry, floating an enormous fletitions can. come at all. That investor who de-gards as the price of his investment the privilege of monepolizing an indus-try, floating an enormous fletitious cap-italization, and crushing out all forms of competition, should find neither wel-come nor abiding place within our commonwealth. He is a fee to our in-stitutions more to be dreaded than the foe in arms abread or the communist in discontent at home. But it is not true that legislation de-signed to protect independent effort

of the bills heretofore introduced and intended to effectuate my former suggestion. These conditions are, in brid, the projected concentration of some many of the projected concentration of some many of the part of the projected concentration of some many of the part of the projected concentration of some many of the part of the

MISSOURI'S WAR GOVERNOR Restored by Pe-ru-na.

GOVERNOR T. C. FLETCHER

Hon. Thomas C. Fletcher, the n war Governor of the State of Miss s a great friend of Pe-ru-na. writes:

Pe-ru-na Drug M'f'g Co., Colum-

is a great friend of Peru-na. He writes:
The Peru-na Drug M'fg Co., Columbus, Ohio.
Gentlemen—For years I have been afflicted with chronic catarrh, which has gone through my whole system, and no one knows the torture and misery I have passed through. My doctor has prescribed various remedies, and I have never found any relief until I was persuaded by a friend to use Dr. Hartman's Peru-na. After the use of one bottle I feel like a new man. It also cured me of a dropping I had in my throat, and built my system up generally. To those who are suffering with catarrh I take pleasure in recommending your great medicine. Very respectfully.

Thomas C. Fletcher.
Everything that affects the welfare of the people is a legitimate subject of comment to the real statesman. The statesman is not a narrow man. It is the politician who is narrow. The true statesman looks out on the world as it is, and seeks, as far as is in his power, to remedy evils and encourage the good.

Catarrh in its various forms is rapidly becoming a national curse. An undoubted remedy has been discovered by Dr. Hartman. This remedy has been thoroughly tested during the past forty years. Prominent men have come to know of its virtues, and are making public ulterances on the subject. To save the people. To save the people we must protect them from disease. The disease that is at once the most prevalent and stubborn of cure is catarrh.

A Substitute for Chimney.

Mechanical engineers look with favor on the proposed substitution of mechanical draught in place of chimney draught for furnaces. The former can be accomplished either by foreing the air into a closed ash pit and maintaining therein a pressure in excess of the atmosphere, or by exhausting the air and gases from the flue or uptake, thereby creating a partial vacuum, causing a constant onward air flow to the combustion chamber, the first method being a forced, the latter an induced draught, centrifugal fams being used in both cases. Two main advantages are claimed—independence of weather conditions and adaptability. Economically there is also something to be said in favor of the proposition and from a health point of view—the suppression of smoke—the advantage is manifest. The chimney is an an cient device that in large plants to be built will begin to disappear. A Substitute for Chimn built will begin to disappear.

Baltimore, Feb. 13.—The story sent out from Chicago that General Passenger Agent Austin of the Baltimore and Ohio Railroad, had reported rate cutting on the part of rival lines, to the Receivers, is strenuously denied at B. & O. heâdquarters. Mr. Austin, in a letter, absolutely denies that any such cases have come under his notice and denounced the report as a "fake" pure and simple.

A Ranch That Pas or 8 120,000 Cattle. A Ranch That Per ar a 120,000 Cattle.

The X. I. T. ranch, in the extreme northwest corner of the Panhandle of Texas, the largest ranch in the world has an area of five thousand square miles. Its herds of cattle aggregate 120,000 head, besides 1,500 horses, and the caff crop branded in 1807 exceeded 31,000. Surprising as it may seem, all 1'e work on the ranch is done by 125 men, one mga to every 24,000 acres.—February Ladies! Home Journal.

Suggestions for Women as to the Care of D-lady Underwear.

It is one thing to have pretty belongings, and another to keep them so. Of nothing can this be more truly said than rulned in washing with strong, impure soap, and by hard rubbing. Silk and woolen underwear should never be washed work, failf fill a tub with warm water, in which dissolve a fourth of a bar of lyory soap, and wash the articles through it with the hands, rines in warm Hang on the line and press with a hot iron while damp.

Hi;h Lights.

Borrowed trouble is never as satisfactory as the real thing.

When a woman gets no valentines she thinks they are silly.

The woman with a Madonne face.

The woman with a Madonia race generally sits pigeon-tood.

The individual who takes life easy frequently has to borrow coal.

A woman who tells a man that she lates men always means other men.

The military spirit makes some men want to fight after the war is over.

Beware of Cintments for Catarrh That

Beware of Ointments for Catarrh That Contain Mercury,

As mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surfaces, when the surely in the surely surely surpreserved in the surely s

"Our landlady has taken down 'He Sweet Home.' "What did she put u its stead?" "No Quarreling About Thermometer.'"

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