

FIGURES AND PLANS

Showing the Method and Expense of Improving the Mississippi.

MOVABLE CAISSON JETTIES

To be One of the Most Important Features of the Operations.

ON THE LINE OF EADS' PRINCIPLE.

Which is Developed to Meet the Necessities of the Situation.

TO PREVENT THE CAVING OF BANKS

Love of gain and love of man; extension of trade and saving of life; salvation from corporate delinquency and salvation from over-

tailed that it would carry off the greatest floods without overflow, and further, would drain the adjacent country.

This would probably mean to scour a section averaging 30 feet deep and 3,000 feet wide, and extending from Cairo to Bayou Sara, a distance of present of about 800 miles, but which would probably be shortened by cut-offs to not over 750 miles.

The River's Scouring Power. The total discharge of the river, and consequently its scouring power, cannot be accurately determined as yet, but allowing that the yearly discharge is 200 cubic miles, and that the scouring power is 1-800 of the total discharge, then the river can be made to remove one-fourth of a cubic mile per year.

Table with financial data: Hulks and machinery, 7,000 tons, \$100,000; Tenders (three steamers, flat, yawls, etc.), 25,000; Yards and shore works, 25,000; Total for 15 plants, \$150,000.

dened by mortgage, and for him made desolate by the mowing waters; greater values in the homes of those who now have them, thousands of new homes to be made on the banks waded from the water—such are the mixed motives urging us forward.

"The energies of the Mississippi river are greater than all the energies that man can bring to oppose it. Instead of opposing he must guide; he must train the river to do his bidding."

held by Mr. H. L. Taylor and John L. McKinney, it is inferred that their resignations were tendered and accepted, although no definite information was obtainable.

A committee of representative producers from the middle and lower oil fields were also here in close conference with the members of the Executive Committee of the P. P. A.

The producers to-day were a happy smile, which was in strange contrast to their dejected spirits manifested in every lineament of their countenances for the past two months.

Nothing Unusual Policy. The Mansfield Operations in the Mansfield field are keeping the even tenor of their way. The output of the field is about 1,000 barrels per day.

Health Also a Factor. Our humanity, a liberal foresight, the immediate necessities of trade, and the demand, hourly swelling, for more land to provide homes for the people, alike demand this measure.

Two Fat Producers. PETERSVILLE—At Petersville, Gekert & Steele have finished cleaning out No. 2 Humphrey and No. 4 Duncan and got them down to the surface.

FRANKLIN—The situation in the heavy oil district is all that could be asked for. The lubricant is in good demand at \$3 65 at the wells for the old district oil.

ELY'S CREAM BALM. The Ajax is the strongest, quickest, most durable and economical Oil Well Engine ever made.

ELY BROS., 56 Warren St., N. Y.

AWFUL SKIN DISEASE. Child a Mass of Raw Bleeding Sores—Miraculous Cure by Cuticura Remedies.

Two Resignations. AT THE BRADFORD MEETING OF THE RESURRECTED P. P. A.

EARLY BUYERS OF HOLIDAY GIFTS. Will find our stock well assorted and very easy to make a selection from.

FINE FANCY GOODS. PORCELAIN, BRONZES. Plush and Leather Cases.

JOS. EICHBAUM & CO., 48 Fifth Avenue.

PLEASING PRESENT. HOLIDAY GIFTS. Large Stock, complete assortment of a number of articles suitable for Holiday Gifts.

MR. W. H. SCHLUMPF, SEWICKLEY, PA.

W. M. E. STERN, Optician, 544 SMITHFIELD ST., PITTSBURGH, PA.

MR. W. H. SCHLUMPF, SEWICKLEY, PA.

WILWOOD—Owing to the heavy snow prevailing in this field, news is very meager.

CALBERT—Gekert & Co.'s well on the Davidson farm has been shot with 100 quarts of glycerine.

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SALLER & CO. ARE GIVING AWAY FREE THIS ELEGANT HANGING RACK. GRATIS.

Grand Slaughter! SUITS AND OVERCOATS. For Men, Boys and Children. Slaughtering prices in Hats and Furnishing Goods.

Ten-Pin Sets and Sleds Free to the Boys. A large Sled or box of Ten-Pins given away free of charge with every Boy's \$3 Suit or Overcoat and upward.

SALLER & CO. Clothiers, Hatters and Furnishers, Cor. Smithfield and Diamond Sts.

HOLIDAY PRESENTS! Gold Spectacles and Eye Glasses, Opera, Field and Marine Glasses, Binocular Telescopes, Graphoscopes, Magic Lanterns, Stereoscopes, Microscopes, Barometers, Thermometers, Photographic Outfits, etc.

KORNBLUM'S OPTICIAN STORE, NO. 50 FIFTH AVE., NEAR WOOD ST.

HOLIDAY PRESENTS. STEVENS' Favorite Chairs. A grand gift. Pleases everyone. Combines five articles of furniture in one.

STEVENS CHAIR CO., No 3 Sixth St., Pittsburgh, Pa.

GIVE YOUR BOYS A USEFUL PRESENT. Press and Outfits \$1.75, 2.50, 5.00, 7.50, 10.00, 21.00 to 31.00.

HOLIDAY PRESENTS. GOLD SPECTACLES, \$3 and upward. GOLD EYEGLASSES, With Chains Attached, \$3 and upward.

J. DIAMOND, Optician, 22 Sixth Street, Pittsburg.

OIL WELL SUPPLY CO., LIMITED, 91 and 92 WATER ST., PITTSBURGH, PA.

AJAX ENGINES. Corry Boilers. The Ajax is the strongest, quickest, most durable and economical Oil Well Engine ever made.

ELY'S CREAM BALM. The Ajax is the strongest, quickest, most durable and economical Oil Well Engine ever made.



MEET ME AT KAUFMANN'S TO-DAY! TO-DAY! From 8 o'clock in the morning until 10 o'clock at night.

KAUFMANN'S GREAT STORE. Thousands of Anxious Christmas Buyers, And Every One Will be Treated to a Most Agreeable Surprise.

FREE! Distribution of Gifts. FREE! A GRAND MAGIC LANTERN WILL BE GIVEN With Every Boy's Suit or Overcoat Costing \$4 or More.

Free Gifts to Ladies and Gentlemen. A first-class Gold and Silver Headed English Gloria Umbrella, 26 or 28-inch size (a very acceptable gift for someone else, if you don't need it).

Christmas Bargains in Clothing and Cloaks. MEN'S CLOTHING—The best Suit or Overcoat in the house goes at \$25 to-morrow—its intrinsic value, \$40.

BOYS' CLOTHING—3,500 Suits or Overcoats, sizes 4 to 14, suitable as Christmas Gifts for poor Children at \$1.98, \$2.50 and \$3.

PANTALOONS—2,100 pairs at \$1.25 and \$1.75, 3,000 pairs at \$2.50, \$3 and \$3.50, 1,400 pairs at \$4 and \$4.50.

POPULAR CHRISTMAS GIFTS FOR ALL. DERBY AND SILVER—Complete Manicure Sets, MERIDEN \$14. Silver Puff Boxes, \$3.75.

GLOVES—Perrin's French Kid, \$2, Derby Imported Kid, \$1.50; Fine Kid, silk-stitched back, \$1; fine lined Kid, 75c.

SUSPENDERS—In Silk and Satin. New Brocaded designs, 50c up; French Webs, 75c up; Rich Satins, solid colors, \$1.50 up.

UMBRELLAS—English Glorias, oxidized silver handles, \$1.25; Henrietta Silk, etched silver mounted, \$1.98.

KAUFMANN'S, COR. FIFTH AVENUE AND SMITHFIELD STREET.