FACTS ABOUT PAVING

The Globe-Democrat on Results in St. Louis.

ECONOMIC VALUE OF ASPHALT

bers to a paving monopoly, which charges two prices in St. Louis and one elsewhere. The Wells administration becomers are foud of talking about clean streets. The figures show that they have spent nearly four times as much on the streets as any previous administration. Whether they are clean or not one has but to look around him to find out.

The city has put down a lot of paving in the last four years. All told, it amounts to about 100 miles, or will on the completion of contracts next April. It has spent over \$5,000.00 in deing this, or about \$51,000 as mile. Under the Ziegenbein administration, about 26 miles of paving was laid, which cost \$2,000 per mile. This alight difference of \$5,000 per mile, or only \$3,013,000 total, the street department passes over in discussing the merits of the so-called "business methods" of the Wells administration. It tells how the great triple alliance made war on the "asphalt trust." whose paving could be had for \$34 a square yard, while the untried bituminous macadam and wooden blocks have cost from 30 to \$55 per square yard. Result: The city has 15 miles of experimental paving on its boulevards, a part of which is already wearing out, and has to be frequently repaired; 26 miles of wooden blocks, which everybody had supposed had been discarded years ago as a paving material: a number of miles of which as high as \$37 per square yard was paid, when the miling price was \$35 per square yard. at an advance in price, and some new granite paving, for part of which as high as \$57 per square yard was paid, when the ruling price was \$55 per square yard four years ago. The 30 miles of paving hid, or to be completed during the year, have cost the city \$59,000 per mile—a price for which there is no comparison in St. Louis, and which is believed to be unequaled in any city in the country.

Comparison in Figures. The following tables from the records of the street department show what has been done in street construction by the Wells and Ziegenhein administrations, and the comparative cost. Street construction under Wells administration by fiscal years, from April, 1961, to April, 1965; No. miles Cost Av. cost

1901-3902 1902-1903 1903-1904 1904-1903	10.85 13.05 38.17 39.73	\$ 604,030 614,528 2,079,180 1,825,698	\$35,483 47,694 57,453 59,433	
Street	construction ation by fisc			
2871, 20 20	pril, 1901: No. miles.	Cost	Av. cost	

Totals 51,95 \$1,206,829 \$23,230 Totals51,95 \$1,206,829 \$23,230

The following table, compiled by the street department, gives the number of miles and the principal kinds of paving laid, or to be laid, for the four years ending April, 1905. It shows the introduction of bituminous macadam in 1903, the return to the wooden-block pavement in 1905, and the increase in the amount of vitrified brick over asphalt and granite. The largest amount of vitrified brick laid during any one year, from April, 1907, to April, 1907, was 2.63 miles, in 1909-1901;

		1904-05
3.97	11.89	4.44
6.00	12.88	12.50
200	7.05	4.52
100		7110
1.03	1.47	9.27
	1902-03 3.97 6.00	6.00 12.86 .32 3.05

Novaculite 98 Telford 1.08 1.62 .77 New Law Brought More Money-

With the entrance of the Wells admin tration in 1991, the street department wa struck by a wave of prosperity in common with the other municipal departments. In-creased taxation and collections brought with the other municipal departments. Increased taxation and collections brought a greatly increased general revenue for street purposes. But what enabled the department to double the amount of street construction in four years was the charter amendments, passed in 180, changing the method of assessment for improvements. Under the old law the city was not permitted to assess more than 25 per cent of the valuation of adjacent property for a street improvement. If this was not sufficient to cover the cost, the balance had to be paid out of the general revenue. The result was that the department had been unable to undertake nuch-needed improvements on streets where the valuation was low.

The new law changed all this, and gave the street department a free hand. When a street is paved now, 25 per cent of the total cost is assessed against the adjacent property and the remaining 35 per cent is assessed against all property in the district in which the improvement is located. The city pays for the improvement now only in cases where city property is located in the district, when it is assessed pro rate. The new law gave the street department and the Board of Public Improvements opportunity to commence extensive improvement to make the manufacturity of manufacturity is property in the manufacture of the district of the district of the street department and the Board of Public Improvements opportunity to commence extensive improvement operations to make

department and the Board of Public Improvements opportunity to commence extensive improvement operations to make ready for the World's Fair.

Virifiled brick was largely used from the start, and many miles of residence streets were saved with this Insterial. Members of the Board of Public Improvements took a trip to Galesburg, Ili., to inspect the plant of a brick company, and for two years this concern figured largely in paving contracts at good prices. Other brick from outside points was also used largely. Then St. Louis brick manufacturers cut their bids down slightly, and for the last two years have been getting most of the contracts. Brick came into direct competition with asphalt, generally considered a superior paving material, and set of the competition with asphalt, generally unidered a superior paving material, and a sephalt firms cut prices down to meet the brick pavers. The amount of asphalt id, however, did not keep pace with the

brick.

The wooden-block pavement bobbed up imexpectedly when ordinances naming it for Westminster place and Washington avenue, from Grand to Pendieton avenues, were sent to the Assembly by the Board. Members of the Board had been to Indianapolis on an investigation trip, at the expense of a contractor, to inspect the new wooden blocks and to be impervious to water, which quickly rotted the old-style wooden blocks were torn up in St. Louis years ago, and it was generally thought, this pavement was out of date, until the Board of Public Improvements resurrected it on the structs named wanted a noiseless paving. The new method of laying the blocks was to soak them in a creonote composition and cement them down with tar. The Parker-Washington Company got the contract. On Washington avenue the city cald \$25 per square yard, or a total of \$24,05 on the contract. This made the wood blocks the most costly paving of the year. They cost more than granite and for prick, whereas in former years wood blocks was considered a comparswood block was considered a com

Experiments That Falled.

Street Commissioner Varrelmann sprung an idea of his own on Washington arenue. Against the advice of the contractors be ordered the blocks flushed with a heavy coaling of the to give a waterproof surface. The composition was improperly put on and maited with the first hot weather. For weeks the street was a sticky mass of odorous tar. Every resi-

dent bloked, and none louder than the ladies, who found the stuff was tracked into their houses and their cargets and rugs triticed. The Commissioner did not interfere with any new motions when Westminster place was laid. The blocks here were of Louisiana cypreas, while those on Washington avenue were inasoned yellow pins. The difference became forcibly apparent as soon as the lob was completed, and a few weeks of damy weather set in. The blocks swelled and buckled in great stretches rendering the street impassable in places for weeks. Even the curbing was forced out of line and had to be reset. Westminster place, from one end to the other, set up a complaint, but it was too late, the Board of Public Improvements said, to correct the mistake, and the bost that could be dene was patch the paving up and trust to luck, it was another case of "What could be dene do."

Bitumineus macadam arrived in St.

How the Political Gang Drove Out
Asphalt and Then Ran Up
the Price on BituJithic,

Jithic,

Legal Proceedings.

Legal Proceedings.

Property-owners on West Pine rebelled. They objected to the cost, but chiefly to the paving itself as being untried and experimental. They secured an injunction and fought the case through the courts until they were finally bearen in the Supreme Court, which decided that the acts of the Board of Public Improvements were legal. The first hids had meanwhile been withdrawn, and the Board proceeded to relet at the advance given above.

Lindell boulevard residents rose up in indignant protest when their turn came next. They appealed to the Mayor and the Board without avail and got up petitions against removing the telford driveway. The Board did not hesitate to violate its rule, which had been to give the majority of petitioning property-owners the right to say what paving should be put on the street. Not I per cent of the Lindell boulevard petitioners favored the bituminous macadam, but the Board went over the heads of the others. Property-owners went before the Assembly in protest, called on the Mayor and the Board and caloled and threatened by turns. This opposition seemed to anger the Mayor, and he retalisted by pushing the ordinance through post-haste, declaring that if any of his neighbors on Lindell boulevard were too poor to pay for paving the street, they should move elsewhere.

The paving company, upheld in its contracts by the Supreme Court, felt secure,

of his neighbors on Lindell boulevard were too poor to pay for paving the street, they should move elsewhere.

The paving company, upheld in its contracts by the Supreme Court, felt secure, and the price went up another notch. The cost this time was \$84.55 per square, and the contract called for no new foundation. All the contract of the was to remove the telford and surface with bituminous on the old foundation, and put down new curbing, yet the price was \$4 higher per square than on West Pine, where a new foundation had to be put in. The contract for the curb and gutter was \$1.50 per linear foot, and, it is stated, was sublet for \$1.20 per foot, and then left a good profit. The work complete cost \$18.00.

Chestnut street, from Broadway to Twentleth street, from Broadway to Twentleth street, furnished another example. The bid here was lower, but at that it ran \$900 over the estimates and the street cost \$51.30. In this contract the paving company bought the old grantle hicks at \$10 per square fress the city, and, it is stated, resold them for \$12. Subsequently the city had to buy some of these very blocks back at an increased nrice for its own use.

and, it is stated, resont non-real subsequently the city had to buy some of these very blocks back at an increased price for its own use.

After a few more contracts had been parceled out the Board woke up to the fact that bituminous macadam in St. Louis was coming high. The asphalt pavers parceled out the Board wage up to the fact that diturninous macadam in St. Louis was coming high. The asphalt pavers who had been shut out, although they offered much lower prices for what is generally regarded by experts as a much superior paving, set up the claim that the bituminous paving was being done in other cities for 18 to 512 per square yard. St. Louis was paying 185 to the monopoly. The deal was paretically a repetition of the Butler garbage contracts, as far as shuting out competition was concerned. Without entering into the merits of the two materials, it can be stated that asphalt is a tested paving, while bituminous macadem is still on trial. The asphalt pavers give a 16-year guarantee, while the bituminous and brick pavers are only required to make a seven-year guarantee. The Chestnut-street paving has been resurfaced once since laid, and when the snow and ice was removed last week it was found to be broken and cracked with the surface crumbiling off in patches. The asphalt on Twelfth street showed no bad effects.

In view of these facts, no further explansion is needed of why St. Louis has been paying \$25,000 a mile for new streets as against \$25,000 a mile for new streets.

Cleaning the Streets.

Cleaning the Streets.

The street department has contracted the habit of petting itself on the back for what it calls its remarkable accomplishments in cleaning the streets. It is true that it has cleaned more miles of streets than formerly, because it had more paved streets to clean. It will be admitted too, that some of the streets are better cleaned than they were four years ago. Why? Simply because the street department has been flush with money and has spent it. The expenditures for street deaning in the last four years have been nearly four times greater than the four years preceding, or \$55,000, compared with \$20,000.

In 1990-1991 the department had the

Sears preceding, or \$50,000, compared with \$25,000.

In 1990-1901 the department had the meager appropriation of \$11,000 for the block system, as compared with \$130,000 this year. For other systems the department has this year the munificent fund of \$270,000, as against \$20,000, the largest for one year under Ziegenhein. The former administration was tied down continually for lack of funds in street cleaning, as well as street construction. Here are the figures:

Comparative statement showing the amounts expended for street cleaning for the last three years of the Ziegenhein administration and the last three years of the Wells administration. The figures given are for the block system separate and for all other systems, and emergency expenditures, such as the removal of snow and extra work together:

Block	system	Wells. \$208.470	
For	the fiscal yes	er 1901-1902	there was
no ap	propriation for	or the blo	ck system,
and th	its was discon-	tinued. Th	se expendi-

in carload lots of 30,000 minimum. The rate is to be effective from March 1 and applies from Portland and Astoria to

THE MEIER & FRANK STORE'S 795TH FRIDAY SURPRISE SALE

2290 Pr. Lace Curtains, 20 Patterns \$2.25, \$2.50, \$2.75, \$3.00 Values \$1.27 Pair



The best Lace Curtain bargain news you ever read-2290 pairs of clean, desirable Scotch net Curtains worth \$2.25 to \$3.00 a pair on sale for tomorrow's 795th Friday Surprise Sale at the phenomenally low price of \$1.27 a pair-The Meier & Frank Store, in connection with well-known Chicago and Denver stores, purchased the entire surplus stock of a leading manufacturer at prices averaging less than half real value - Our share of 2290 pairs offers to parties furnishing up rooming-houses, hotels and spare rooms opportunity to supply their needs at a great saving—Here are the details: Scotch net and Madras weave curtains, 50 to 54 inches wide, 3 1-2 yards long, note they are all good full size, plain and figured centers in a variety of 20 patterns, including Renaissance border and insertion effects, Brussels designs, bow-knots, Battenburg effects, Cluny effects, etc.-The great majority of the lot are curtains that find ready sale every day of the year at \$2.50, \$2.75 and \$3.00 a pair-Rooming-house and hotel proprietors in particular who are furnishing up new

will find this the grandest money-saving chance of the year-Quantities in the different styles are large enough to fill any reasonable demand-Fifth-street window display gives you some idea of the really splendid bargains included in this wonderful 795th Friday Surprise Sale-Your choice at

Take Elevators to Third Floor

\$3.98 Spring Hats \$1.98

Millinery Dept., Second Floor

Sold more than half the 300 Springs Hats we placed on sale yesterday at \$1.98 each. A grand season opening bargain in readyto-wear and ready-to-trim Hats, in fancy braids, shirred silk chiffon, lace Hats, and fancy braids in "Charlotte Cordays," turbans and the new "Polo" shape, all the new shades, every

Drug Sundry Specials Today 2000 Tooth Brushes, 4 rows pure bristles, with large bone handle, assorted sizes, great value at, each..... Polished wood-back Hair Brushes, 9 rows pure gray bristles, very stiff, extraordinary value at, each. French Perfumes, quadrupled extracts, assorted odors, regular 75c to \$1.25 value, on sale for, ounce..... Superior Bay Rum, for the hair and after shaving ... Newbro's Herpicide, a sure cure for dandruff, falting of the hair and baldness, extra special value at All lines of Drug Sundries sold here at the lowest prices.

The Meier & Frank Store **NEW MOHAIRS**

magnificent showing of new Mohairs at the Dress Goods counters. Mohairs are to enjoy immense popularity this Spring and Summer. It will be the favorite material for skirts and shirtwaist suits, traveling coats, etc. In our complete stock will be found all of Fashion's latest whims.

Handsome Mohairs, in checks, polka dots and fancy jacquard designs, at the low 50c price of, yard Fancy Mohairs, in plaids and

flaked effects; also two-toned novelties, yard. 75c. 85c, \$1 High-grade Mohairs, in hair-line stripes, checks and invisible plaids, at, yard .\$1 and \$2.50 Plain-colored Mohairs, the full line of shades in all grades. White Mohairs, yard. 50¢ to \$2

NEW DRESS FABRICS

our Spring Dress Goods display is the most extensive in the city. Every new material and weave that Fashion demands, fabrics for gowns, skirts, shirtwaist suits, all the new shades, all

STATIONERY

Rutland cream-wove Writing Paper, plain or ruled, 13c great value, per lb 13c Cream-wove Envelopes to match Large boxes of fancy Stationery, best grade of linen papers in

different colors, values from 75c to \$1.25, on sale 39c Souvenir Postal Cards at low

Lewis and Clark Souvenirs in

Men's Clothing

We are ready to outfit particular men and young men with the smartest Spring styles-Suits and Topcoats, Stein-Bloch's famous make, L. Adler Bros. & Co.'s high-grade garments, Hart, Shaffner & Marx's poular clothing. Materials are of fine quality and attractive designs, styles for business or dress wear. Prices range from . . \$18.00 up to \$27.50 You understand, of course, that Men's Clothing bought here represents a saving of fully 25 per cent on what equal grades cost you at the exclusive clothing store. All we want is the opportunity of showing you.

Headquarters for Tan Covert Coats

Remarkable selling of Tan Covert Jackets at Portland's leading cloak and suit store-Never have we experienced such a demand 7 for a single article of women's wearing apparel-We anticipated as much when the season first opened and wired our Mr. Hirsch in New York City daily reports on the stock and the result has been the largest and only satisfactory everyday showing of Tan Covert Coats in the city-Every Overland express brings us from 50 to 100 short covert garments-The style, size and price assortment is complete at all times and in face of wonderfully enthusiastic buying

Prices Range from \$10.00 Up to \$38.50

New lot of high-class Dress Suits just received New high-class Costumes and Wraps

Razor Strops

We carry a complete line of "Torrey's" celebrated Razor Strops, in Russia, shell horse and porpoise hides-

Genuine horse hide Strop. 13¢ Genuine shell horse Strop. 49¢ Porpoise hide Strop. 39¢ Full line of imported and domestic Razors at tow prices. Agents for the famous "Gilette" Safety Razors, best made, fully guaranteed.

Great Sale of Screens

3-fold Draft Screens, in mahogany, oak and white enamel, silkoline filled; great special values for three days at... 98c Oak-framed Screens, with separate rod for filling, silkoline filled, 3-fold oak Screens, filled with plain-colored denim, \$3.58 best make; regular \$4.25 values..... Weathered oak and natural oak India Stools, new 93c models; great special value..... Printed Panels, 3 colors, for cozy corner or wall dec-

Coffee, Tea, Cocoa, Choc'late

Three Days' More of These Splendid Values

this early in the season.

some styles, all sizes.....

Baker's Cocoa, 1-lb. cans. 42e
Ghiradelli's Cocoa, 1-lb. cans. 20e
Ghiradelli's Cocoa, 1-lb. cans. 40e
Huyler's Cocoa, 1-lb. cans. 40e
Huyler's Cocoa, 1-lb. cans. 40e
Huyler's Cocoa, 1-lb. cans. 28e
½ lb. Huyler ready-to-serve Chocoiate
Ghiradelli's Eagle Sweet Choc. 22e
Ghiradelli's Eagle Sweet Choc. 32e
Ghiradelli's Eagle Sweet Choc. 32e
Baker's Eagle Sweet Choc. 32e
Baker's Unsweetened Chocolate. 30e
Baker's Unsweetened Chocolate. 30e
Meier & Frank's famous Mocha and
Java Coffee. 1-lb. cans. 12-2e
Green Java Coffee, lb. 12-3e
Green Java Coffee, lb. 12-3e
Green Java Coffee, lb. 18e
Green Mocha Coffee, lb. 18e
Baker's Cocoa, 1-lb. cans. 18e
Baker's Cocoa, 1-lb. cans. 21e

Women's Patent Kid Velour Shoes \$2.12 Spring Weight Underwear



Another Lot of

2000 Dozen Cal-

ifornia Oranges

18c Dozen

Household Paints

Women's Fine Patent Kid Tan Oxfords at \$2.12 a Pair

For today and tomorrow a great double attraction in our Shoe Store. Women's new Spring Footwear, Shoes and Oxfords in the best leathers and styles, at a price right down to what it costs to land them in Portland. Every woman having footwear needs to supply is

interested in the following-1000 pairs of Women's Lace Shoes, in patent leather, vici kid, patent tip, and velour calf, all the very best models, in all sizes and widths;

Shoes of equal quality bring \$3.50 a pair in every shoe \$2.12

Mail orders will be promptly filled. 1000 pairs Women's Low Shoes, in tan, kid, with patent tip and patent leather styles, Oxford or Blucher cut; all new models in a

complete range of sizes and widths; value extraordinary \$2.12 for today and tomorrow at, pair Spring Footwear for Misses, Boys and Children; black and tan leathers, all the new models, all grades. The new barefoot Sandals for Misses

lace, drop shoulder, low neck, no sleeves.........85c



Garden Necessities

And Varnishes at the lowest prices.
We call particular attention to our
Sapolio Varnish Stains—stain and
varnish at one stroke of the brush.
One coat gives the handsome colors and brilliancy of polished hard
woods. Just the thing for furniture
vioors, stairs, etc., clierry rosewood managany, oak, wat
nut, etc. Great value, can. 20c
Point brushee in all sizes and
grades. Long-handle Shovels, each... 63c
Short-handle Shovels, each... 63c
Short-handle Spades, each... 63c
Rakes, each ... 25c, 42c, 54c
Hoes, each ... 21c and 33c
Trowells, each ... 4c and 8c
Weeding Hooks, each ... 5c
Spading Forks, each ... 4c
Pruning Shears ... 23c, 43c
Grass Hooks, each ... 21c, 28c

Sheets, Pillow Slips, Sheetings, Etc.

Cases, good cotton, great8c value, each 45x36-inch bleached Pillow Cases, great special 10c 45x36-inch hemstitched Pillow

large size, great \$2.05 special value at. 72x90 bleached Sheets, good quality cotton, great 68c

value 81x99 hemstitched Sheets best quality cotton, great 73c

42x36-inch bleached Pillow | 81x90 bleached Sheets, great special value at, each. 48¢ 90x99 hemstitched Sheets, best quality cotton, great bargain 80c Brown Sheeting, 2 yards wide, great value, yard 17e Brown Sheeting, 21/4 yards wide, great value, yd .. 18¢

Brown Sheeting, 2½ yards wide, great value, yd. 20¢ 45-inch Bleached Sheeting, great value, yard 11¢ Bleached Sheeting, 2 yards wide, great value, yd. 18¢ Bleached Sheeting, 21/4 yards wide, great value, yd. . 20¢ Bleached Sheeting, 21/2 yards wide, great value, yd. 22¢

TABLE OILCLOTH

White and faney colored, best 20e quality, being sold all this week at, yard 14e

Winter weight Underclothing is getting more uncomfortable every day. There's no telling how long the present unseasonable weather is going to stay with us. For those looking for comfort our Spring and Summer Underwear stock is in better shape than ever before Women's imported Swiss ribbed Vests, low neck, no sleeves, lace trimmed, all sizes......50¢ Women's silk and lisle Vests, low neck, no sleeves, hand- 60c

Women's gauze lisle Vests, with Val. Women's low-neck, no-sleeve Vests, hand-crocheted yoke, lace

Curtain Dept.

5000 yards of dotted and figured Curtain Swiss. 36 inches wide, great variety of patterns, Ilc great variety of patterns, Ilc Ruffled Swiss Bed Sets, for full-nire beds, flounced sides and foot, including bolister-cover, great bargain, 5550 values, on sale for three days at, sol. 2295
Duck and goose feather Philows, fancy tick covering, big size, 7 lbs to pair; kreat special yalue for 3 days, each. 980
Great special purchase of 100 Orlental Tapestry Couch Covers, 50 inches wile, three yards long, three patterns, heavy knotted fringe all around, \$3.50

Undermuslins