# CARS FOR SHOWS TO

No More Special Baggage Glass Tube Through Cork Makes Quick Changes of Pneumatic Vans for Automobiles.

MERCER HAS LOCOMOBILE

Harroun Company Plans Substantial Increase in Capital Stock and Change in Name.

DETROIT, Jan. 3 .- Pity this year's flock of exhibition motor cars. Instead of moving at express speed from the various factories of Detroit toward the annual automobile show in New York, comfortably ensconced in

mobile common stock and giving it control.

Mercer Motors itself was taken over by E. S. Hare, former vice-president of the Packard Motor Car company,

of the Packard Motor Car company, recently, and associated with Mr. Hare as vice-presidents are Henry Lansdale, O. E. Hunt and H. D. Church, all former Packard r. n. STORAGE BATTERY FILLER

Pouring Water Easy.

Many car owners have suffered the water into their storage batteries and having much of it slop over. Here is a little device that makes this operation accurate and easy. Drill a hole in the cork that fits an appropriately sized bottle. Into this hole thrust a quill or glass tube. Next drill a small nole in the neck of the bottle, just

APPLYING THE GLUE TO WOOD

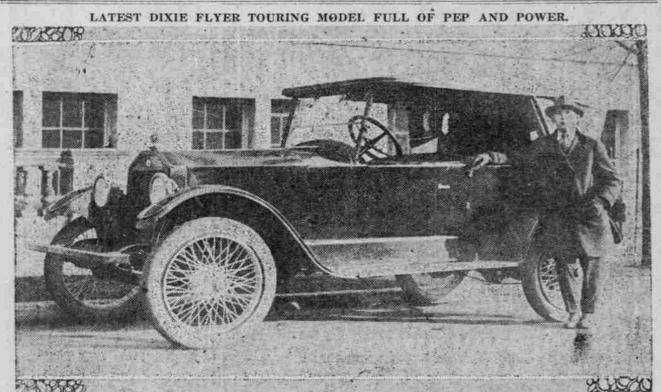
this hole, which admits air to the bot,

Article to Be Glued Should First

Tires Possible.

about where it swells out into the body. The flow of water can be regulated by covering and uncovering Tires for Heavy Machines Met by New Invention.

"Two had men tell me time after



The 1920 model, here shown with H. F. Miller, sales manager for the C. H. S. company, Dixle and Moon distributors, has several refinements over preceding one. Increased power has been given the new Dixle by means of a slightly lower gear ratio, better adapted to the hills around these parts. There is 3½ inches more room in front, upholstery is better, the car has a more slanting windshield and sets closer to the ground.

atively speaking, and climb aboard a common freight car and by slow stages, giving way all along the line to mere passenger trains and fast baggage, make their way to New OIL YELLOWSTONE ROUTE

Aside from this shock to their pride, however, automobile experts agree that the show cars will be none the worse for their plebelan experience. None have refused to make the journey. Although definite figures are not yet on hand it is estimated that from

New Axle Company.

Alfred Reeves, general manager of the National Automobile Chamber of

laws last week, with approximate capital of \$5,600,600. The first factory unit will be completed soon, and will

Sales were \$3,464,493. and cost of sales \$3,558,444. a loss of \$93,961. Other income was \$73,320, reducing loss on sales to \$20,631, to which is added other expenses aggregating \$21,868, or \$42,499. Interest on deferred obligations were \$93,689, resulting in a liquidation loss of \$142,157. Saxon Balance Sheet,

The company's financial statement, as of November 1, after giving effect of new capital and settlement of creditor's claims, shows as follows:
Assets: Cash. \$1,220,038; notes and accounts receivable, \$265,937; merchandise, inventories, \$735,934; contingent claim materials, \$200,090°, prepaid expenses, \$54.027; machinery, trucks and equipment, \$61,237; good will, \$4,567,229. Total, \$7,103,410.

Liabilities: Accounts payrolls and taxes payable, \$92,405; contingent claim materials, \$200,090; preferred stock (par \$109), \$1,250,090; common stock, 200,000 shares issued at \$5 per share, \$1,000,000; surplus, \$4,561,011.

Total, \$7,103,410.

Total, \$7,103,410. Stockholders of the Harroun Motors corporation will be asked to author-ize the issuance of \$1,250,000 7per cent ize the issuance of \$1,250,000 7per cent secured notes, or bonds, payable in five years, at a meeting to be held December 27. It is said the capital stock may be increased from \$10,000,000 to \$12,750,000, of which \$2,500,000 will be 7 per cent cumulative stock preferred. The question of changing the name of the company to the Wayne Motors corporation will also be brought before the meeting.

Pay-as-You-Leave Groceries.

Lockwood Mfg. company of Sagi-naw, recently organized with a capi-tal of \$100,000, will mount store bodies on its two-ton motor trucks, provid-ing a complete "grocery on wheels." ing a complete "grocery on wheels."
Orders are said to have been booked
for 200 of these outfits from persons
and firms who expect to engage in the
old-fashioned "huckster" business in
an up-to-date manner.

The mounted establishments will be
of pay-as-you-leave design, the housewife entering at one door, picking
from the racks what she wishes, and
paying for the goods on the way out.

paying for the goods on the way out paying for the goods on the way out. The Mercer Motors company will, with the approval of its board of directors, acquire a substantial block of stock in the new Locomobile company and will take an option to purchase 100,000 shares of common stock at \$35 a share, making Mercer Motors the largest individual holder of Loco

special baggage cars, as has been their invariable fate in past years, the high-priced, specially-built, new-ly-perfected models, the last word in automobile production this year will have to rest content to move by ordinary freight cars.

Five and six and seven and even ten thousand-dollar cars, with full-jeweled chassis and the best body work that skill and labor can produce, must swallow their pride, figuratively speaking, and climb aboard a common freight car and by slow stages giving way all along the line.

MOVE FOR BETTER ROADS BE-GUN AT SALT LAKE.

lowstone Park Highway Both Dust and Mud-Proof.

virtually mudproof, dustproof and rut-proof. After the surface is prepared, the oil is forced into the ground under the stot in the fellow will be time away from the wheel. No lifting is neces-

Gasoline sold for 6 cents a gallon

New Idea Developed.

"Recently the Firestone Steel Products company, realizing what this obstacle meant to the working efficiency of motor trucks, developed an entirely new idea in steel wheel design, to accommodate Firestone demonstrates are ountable rims.

"With this combination it is posney. Although definite figures are not yet on hand, it is estimated that from 25 to 30 cars will make up the train which Detroit manufacturers are aran experienced man to turn the trick

"The other day at Macon, Ga., six society girls-members of the Red Cross motor corps-none of whom Commerce, was in Detroit on a good conserve, was in Detroit on a good conserve, was in Detroit on a good conserve, was in Detroit on a good conserved and so that there was every indication that the national passenger car and motor truck shows would be the most successful ever known.

The Eaton Axle company of Cieveland was organized by a group of strong and well-known financial interests and incorporated under Ohiolaws last week, with approximate intrusing mudproof, dustproof and rutber of the year the project for grading and ever laid a finger on a truck tire before—participated in a tire-there was every indication that the project for grading and ever laid a finger on a truck tire before—participated in a tire-there was every staged by the manager of our "Ship by Truck" fleet. These Giant pneumatics were 40x8 in strong and well-known financial interests and incorporated under Ohiolaws last week, with approximate virtually mudproof, dustproof and rut-

capital of \$5,000,000. The first factory unit will be completed soon, and will be completed soon, and will be marketing its product by June, 1920.

V. V. Torbensen inventor of the Torbensen axle and one of the foundard and chief engineer of the Eaton Axle company, and J. C. Eaton, formerly president of the Torbensen Axle company, are president and general manager of the new concern.

The Saxon Motor Car corporation in its statement for the ten months ended October 21 shows a liquidation loss of \$142,157.

Sales were \$3,464,493, and cost of sales \$3,558,444 a loss of \$93,861 and cost "Now to apply inflated spare tire, turn wheel so that slot in felice will be at the bottom. Roll the inflated tire and rim to the wheel, engaging the valve stem in the felice slot. Then push rim on wheel, turning the wheel slightly, which will lift the rim and tire from the ground. Push rim back on wheel and apply wedge ting in around the valve sten

"This is not only one of the mos important developments in connection with pneumatic tires for trucks, but a matter of particular importance to the 'Ship by Truck' move-ment, and all truck operators doing long-distance hauling. "With pneumatic tires the average running time of trucks can be in-

of new capital and settlement of THIS BUILT-IN SIDE WINDSHIELD IS AN EXCLUSIVE FEATURE OF THE NEW STANDARD EIGHT.



Lewis E. Obyc. Standard eight distributor here, pointing out one conveniences of the latest Standard eight model,



## All Directions From Portland

Your local Firestone Ship by Truck Bureau presents here the Ship by Truck facilities available to all in this city and district. Manufacturers, merchants and farmers have applied and are applying this service to their business with profit to themselves and satisfaction to their customers. For more information call up the Bureau. The gathering and compiling of this schedule in-

formation is only a part of the service we are giving.

We have much information of all kinds relating to truck operation and transportation, some of which may be of great importance to you. Helpful data is coming to us constantly from all over the country, through our Headquarters Bureau, at Akron. Suppose you see if some of this won't help you. And, in turn, we want any information you can give us that will help the cause. Call us up or

Firestone Ship by Truck Bureau

65 North Park St.

Bdwy. 2367

### Cut Out and Save This Truck Route Schedule

Schedule Brought to Date—Destroy All Previous Listings

ROUTE NO. 1—Distance, 120 miles round trip to Salem. Covers east side of Williamette river along Pacific highway. ROUTE NO. 2-Distance, 50 miles round trip to Liberal. Covers all way points between Portland, Oregon City and Liberal. ROUTE NO. 3-Distance, 70 miles round trip to Forest Grove. Covers all points between Portland, Hillsboro and Forest Grove. ROUTE NO. 4-Distance, 40 miles round trip to Oregon City. Covers all way points between Portland and Oregon City. ROUTE NO. 5-Distance, 18 miles round trip to Vancouver. Pacific highway to Vancouver.

ROUTE NO. 6.—Distance, 22 miles round trip to Tigard, Multnomah and Tigardville.

ROUTE NO. 7—Distance, 50 miles round trip to Hockinson, Wash.

Daily freight between Portland, Vancouver, Orchards, Sifton,
Brush Prairie and Hockinson. ROUTE NO. 8—Distance, 64 miles round trip to Washougal, Wash.
Covers all points between Portland and Washougal.
ROUTE NO. 9—Distance, 35 miles round trip to Gresham. Powell Valley road to Gresham. ROUTE NO. 10-Distance, 45 miles round trip to Scappoose. All points between Portland and Scappoose and Lower Columbia highway. ROUTE NO. 11-Distance, 20 miles round trip to St. Johns and Kenton. Return by Linnton, road, west side. ROUTE NO. 12-Distance, 55 miles round trip to Warren. Covers Linnton, Burlingion, Holbrook, Scappoose and Warren to Lower Columbia highway.

ROUTE NO. 13.—Distance, 70 miles round trip to St. Helens. Covers all points between Portland and St. Helens on Lower Columbia highway. ROUTE NO. 14-Distance, 60 miles round trip to Newberg. Covers all points between Portland and Newberg. points between Portland and Newberg.

ROUTE NO. 15.—Distance, 40 miles round trip to Wilsonville. Covers all points between Portland and Wilsonville.

ROUTE NO. 16.—Distance, 70 miles round trip to Dayton. Covers all points between Portland and Dayton. ROUTE NO. 17-Distance, 20 miles round trip to Mount Scott and

ROUTE NO. 18 Distance, 70 miles round trip to Deer Island. Covers all points between Portland, Columbia City and Deer Island. all points between Portland, Columbia City and Deer Island ROUTE NO. 19—Distance, 70 miles round trip to Battleground.

### Inter-City Truck Transportation Companies Operating Out of Portland

Arnold Trucking Co., 128 Union Ave. East 7102. Route Nos. 3 and 14—Daily, 9 A. M. Behnke, G. A.
49 Front St. Brondway 2191.
Route No. 3—Daily, 9 A. M. age Co., 270 Twelfth St. Main 1860. Commercial Transfer Co., 225 Ash St. Bdwy. 2082, A 2078, Routes Nos. 9, 10, 11—Daily.

Dennis, J. A.
742 Vanderbilt St. Col. 896.
Route No. 11—Daily, 10 A. M.,
3 P. M. Glisan Truck Co., 40 Second St. Broadway 5121. Route No. 9—Dally, 2 P. M. Hansen, P. R., 68 North Sixth St. Bdwy. 2199. Route No. 13.—Daily, 2 P. M.

Hertel, B. M. 181 Skidmore St. Wdln. 73. Route No. 2—Daily, 7:30 A. M. Johnson's Truck Line, 205 Washington St. Main 6051. Route No. 16—Daily, 2 P. M. Lawson Truck Co., 226 Ash St. Broadway 2859.

Loomis Brothers, 40 Second St. Broadway 5121. Route No. 12.—Daily, 2 P. M. Martin's Truck Line, 205 Washington St. Route No. 18—Daily, 1 P. M. Newberg Truck Co., 40 Second St. Brondway 5121. Route No. 14.—Daily 8 A. M., 2 P. M.

N. S. Oldham & Sons, 241 Front St. Main 2599. Route No. 15—Daily, 4 P. Oregon-Wash. Truck Service, 40 Second St. Broadway 5121. Route No. 7—Daily, 2 P. M. Pioneer Auto Truck Co., 226 Ash St. Broadway 2854, A 7825. Route No. 5—Daily, 10 A. M., 4 P. M. Portland Auto Transportation, 224 Taylor St. Main 1550. Route No. 17—Daily, 5 P. M. Portland-Washougal Truck Line, 40 Second St. Broadway 5121. Route No. 8-Daily, 2 P. M.

Rogers Auto Transfer Co., 271 Taylor St. Main 5250, A

3110. Route No. 3-Daily, 1 P. M. Reddaway's Truck Line, 67 Second St., North, Route No. 4—Daily, Sig Olsen Auto Service, 40 Second St. Broadway 5121. Route No. 13—Daily, 6 P. M. Warren Truck Line, 205 Washington St. Main 6051. Route No. 6—Daily, 8:30 A. M. Watkins, Al, 40 Second St. Broadway 5121. Route No. 4.—Daily, 11 A. M. Wedemeyer Truck Service, 40 Second St. Broadway 5121. Route No. 6—Daily, 9 A. M. Weeks Transfer & Storage Co., 2 First St. Route No. 5—Daily, 11 A. M., 2 P. M.

Willamette Valley Transfer Co., 124-126 North Fifth St. Broadway 454. Route Nos. 1 and 4. Williams Transfer Co., 205 Washington St. Main 6051. Route No. 4—Daily, 2:30 P. M. Alberta Transfer Co., 44-46 East Sixth St. N. Phones East 5660, Res. B 2044. American Transfer & Storage, 309 Oak St. Broadway 4133. Auto Baggage Transfer & Stor-

Brooklyn Transfer Co., 373 Hawthorne Ave. Phones: Office, Enst 4460; residence, Sellwood 566. Baggage & Omnibus Transfer Co. 55 N. Park St. Broadway 1000.

Baggage Transfer & Express Co., 66 Sixth St. Broadway 222. Baggage Transfer Service Co., . 68½ Broadway. Broadway 120. Brewster, W. W., 145 Eleventh St. Brondway 155. Brondway Transfer Co., 86 Union Ave. East 6011.

B. & C. Transfer Co., 270 /2 Third St. Main 5750. Central Transfer Co., 623 Thurman St. Broadway 133, Central Transfer & Storage Co., 272 Fourth St. Main 7575. City Motor Trucking Co., 315 Hawthorne Ave. East 3230

City Transfer & Storage Co., 73 Front St. Main 62. Clyde Transfer Co., 68 N. Sixth St. Broadway 2199. Columbia Transfer Co., 169½ N. Sixth St. Bdwy. 1761. Commercial Transfer Co., 35 First St. Broadway 2082. Cooley Bros,' Baggage & Trans-310 Oak St. Broadway 406. Dodge Delivery & Transfer Co., 200½ Washington St. Main 510 Driscoll & Collier Transfer, 551 Jefferson St. Main 2171.

East Side Transfer & Baggage Delivery, 1021½ Belmont. Tabor 256. Enton & Maxwell, 222 Pine St. Main 7882. Empire Baggage & Transfer Co., 145 Eleventh St. Broadway 155. Ever-Rendy Transfer Co., 411% Stark St. Broadway 401.

Fulmer, L. L., Coal and Transfer, 1009 Belmont, Tabor 2625. Fulton, H. H., & Sons' Transfer, 350 Hawthorne Ave. East 450. C. W. Gleason, 40 Second St. Broadway 5121. Green Transfer Co., 2021/2 Alder St. Main 1261. Hatters' Auto Transfer Co., 767 East Sixth St. N. Wood-

Pacific Storage & Delivery Co., East Madison and First Sts. East S91.

Helser Bros. Transfer Co., 46 N. First St Broadway 3667. B. F. Hertel, 181 Skidmore St. Wdln. 5358. Hetrick & Cline, S5 E. Eighth St. East 5446.

lawn 3381.

ANYWHERE—ANYTIME

Hunt Transfer Co., 45 N. Fifth St. Broadway 2415. Judson Freight Forwarding Co., Fifteenth and Kearney, Broadway 5640.

Kenton-Portland Transfer Co., 78 E. Watts St. Woodlawn 1392. Kinney Rome Co., 403 Hoyt St. Broadway 703. Manning Warehouse & Transfer Nitth and Hoyt Sts. Broad-way 703.

Montavilla Auto Transfeg Co., 183 First St. Main 1395. Marthaller Transfer Co., 138 N. Sixth St. Bdwy. 3338. Montavilla Transfer, 208 Morrison St. Marshall 1968. Montavilla Transfer, 65 E. Eighteenth N. Tabor 876. Montavilla & Mt. Scott Baggage

& Transfer Co., 6405 Elghty-second St., S. E. Tabor 7172. Mount Scott Express & Transfer 224 Taylor St. Main 1550. Nelson Truck Line, 205 Washington St. Main 6051. Northwestern Transfer Co., 64 Front St. Main 446. Olsen, C. M., Transfer Co., 248 Pine St. Marshall Sil. Olsen-Roe Transfer Co., 514 Hoyt St. Broadway 627.

Oregon Auto Desputch, 200 N. Thirteenth St. Broad-way 3309. Oregon-Wash. Truck Service, 40 Second St. Brondway 5121. Transfer. 111 Grand Ave. East 3564. Pacific Coast Transfer & Storage 115 Second St. Main 4785. Pick, C. O., Transfer & Storage

Co., 55 Second St. Broadway 596. Pihl Transfer & Storage Co., 327 Davis St. Broadway 2156. Pioneer Auto Truck Co., 226 Ash St. Broadway 2854. Poff & Harvey. 206 N. Jersey. Columbia 308.

Portland Transportation Co., First St.

Portland Van & Storage Co., 15th and Kearney Sts. Broad-way 5640. Quick Service Transfer & Storage Co., Inc., 254 Broadway, Broadway 3719.

Rapid Transfer & Storage Co., 108 N. Third St. Broadway 4102. Riverview Auto Transfer, 271 Taylor St. Main 5205, A 3110; res. 1534 Virginia; Mar-shail 1106. Rayburn Auto Transfer, 1921 % Grand Ave. East 7141.

Rogers Auto Transfer, 271 Taylor, Main 6765. Rose City Van & Storage Co., 8822 Foster road. Tabor 1424. Ryman D., Transfer, Alder St. Dock. Main 6521. Security Storage & Transfer Co., 105 Park St. Main 5195,

Sellwood Transfer Co., 531 Umatilla. Sellwood 64. Shepherd, J. H., 176 Killingsworth, Woodlawn Soliday Bros. & Kelly Furniture

Moving, 89 North Sixth. Broadway 4222. Star Transfer Co., 545 Thurman St. Bdwy. 381.

Steves Bros., 210 Fourth St. Main 6074, Terminal Baggage Transfer Co., 69 ½ North Third. Broadway 2202.

Transcontinental Freight Co., 15th and Kearney Sts. Broad-way 5640. Universal Anto Tear Vinson Transfer Co., 46 Second St. Broadway 1456. Wheeler, Chas. C., 403 E. Burnside St. East 4999. Wilcox, Roy, 200 S, Jersey, Columbia 72.

Willamette Valley Transfer Co., 126 N. Fifth St. Broadway 454. Wrenn Auto Delivery Co., 722 Johnson St. Main 2870, Yett, C. C. & Son, 204\\\2 Alder St, Marshall 28

There is a Firestone Truck Tire for every load, road and condition of service.

រស់សមានរយៈសេសនេះពេលនេះពេលមេសាសាសាយាយាយាសាស្រីសាសែយាស្រ្តមណ្ឌាយាយ

creased two-fold—yes, three-fold—and speed will be a very considerable factor in both the popularity and the practical utility of the motor truck

express."
According to Mr. Sparks, the Firestone Steel Products company takes just as much pride in this new steel wheel design as in its famous demountable rim, which was the first practical quick-detachable demountable rim, a notable contribution to able rim, a notable contribution to the working efficiency of the auto-

However, he said that the Firestone Steel Products company has no intention either of manufacturing or selling wheels, simply having developed this design to meet the needs of the situation. The company has passed information to all wheel manufacturers which will enable the wheel-maker to construct his standard wheels so as to incorporate the Pirestone idea. Six of the biggest steel wheel manufacturers in the country are using the design.

Felt Hat Filter. The truck owner who likes reason

able economy may be glad of a way to filter oil so that it will do double duty. An old felt hat is the principal part of the filter. Felt filters oil exa pail and the home-made filter is complete.





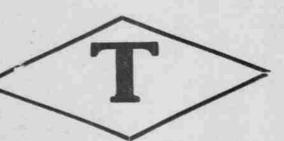
Wm. Jossy, Prop., Oregon Washington Transfer Co. added another

3/4-Ton GMC Truck to their fleet.

Another Truck Owner Is Convinced of G-M-C Quality

Wentworth-Irwin, Inc. Second St., Cor. Taylor Portland, Oregon

## DIAMOND



-the nation's freight car

Ask E.L. Wilson East Side Slabwood Co.

what he thinks of Diamond T Trucks and Service.

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