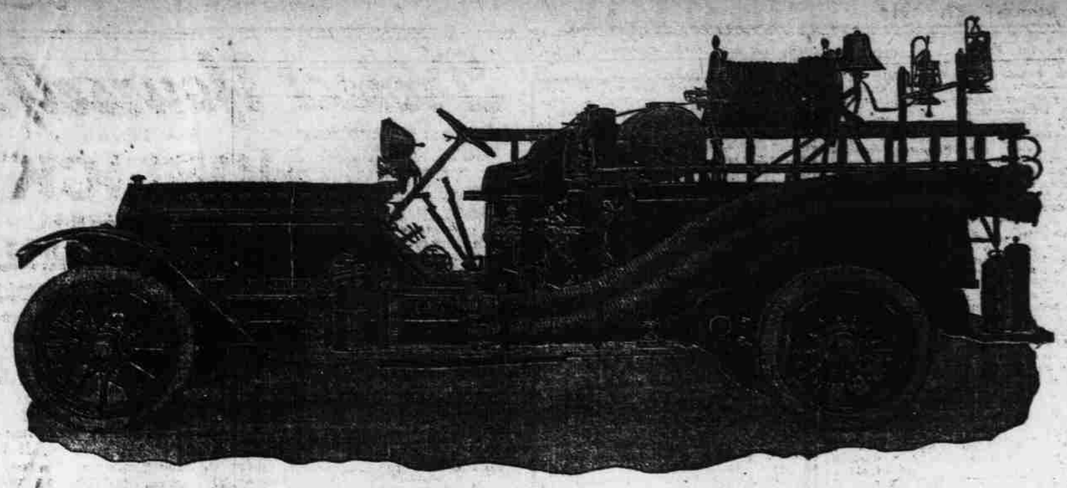


Triple Combination Engine and Hose Car Secured By Mystic

MOTOR FIRE ENGINE FOR MYSTIC

Triple Combination of American La France Type Will Receive First Tryout Today—Can Deliver Over 750 Gallons a Minute—Village Has Something to be Proud of.

Mystic does not claim to be as progressive as the larger cities nor of being up-to-the-minute in everything that goes to make up the most thriving village, yet there is no city in this big country that has a piece of fire apparatus superior to that which will be given official test this (Saturday) afternoon, and which will probably be witnessed not only by firemen from Norwich, New London, Stonington, Noank, and other places in this immediate section of the state, but also by firemen from Westerly and other sections of New England. This new machine is an American-LaFrance triple combination engine and hose car, and, of course, motor driven. It is of the same type as the Niagara apparatus of New London that has performed highly efficient service for over two years and a half and without a cent of expense to the city of New London for repairs, and has never been out of commission but one-half hour in all that long period. While of the same type, the Mystic machine has pump improvements over that of the New London car, although that seems hardly possible, judging from the proven efficiency of the latter. The new apparatus is very complete, including as it does a pump which can deliver over seven hundred and fifty gallons of water a minute, a hose body for carrying 1200 feet of 2 1-2 inch hose, and a chemical tank with 200 feet of chemical hose.

High Grade Material.

Similar pieces of apparatus manufactured by this same company are in service all over the country and are giving perfect satisfaction. The design is especially adapted to fire department service and was selected by the Mystic committee after a most thorough investigation and an earnest desire to get the best. The very highest grades of materials are used in its construction; consequently it is comparatively light, yet very substantial, and the workmanship is of the best. The designers of this apparatus had in mind the importance in the fire service of efficinet road work, and it has proven in actual service tests that motor cars of this type are able to negotiate snow covered streets and steepest of grades, regardless of the surface conditions. The Panama-Pacific Exposition fire department selected apparatus of this same type for its service as being the most efficient for allround work.

Weight a Detriment.

The mistake is frequently made of having motor fire apparatus too heavy, which really minimizes its efficiency, and in some instances this excessive weight is due to the use of unsuitable materials. Without doubt, the first requisite in a piece of fire apparatus is its ability to reach the fire ground, and be ready for service, and Mystic feels that the car purchased enjoys superiority in this important respect, and is thoroughly dependable at all times Not long since a western city contracted for a pumping car of a different make than Mystic's. Upon its delivery it was found that this car was excessively heavy and it was not able to get through the heavy snows, or negotiate the grades common in that city. After several trials the car was returned to the manufacturer, and the committee then contracted for a pumping car like that of Mystic's, which has no difficulty meeting the severe conditions as regards snow and grades.

Andover, Belmont, Boston, Brookline, Concord, Hull, Marblehead, Swampscott, Waltham and Worcester, Mass., Danbury, Hartford, Naugatuck, New London, South Manchester, Stamford, Waterbury and West Hartford, Conn., and Newport, R. I., and other nearby cities and towns have pumping cars of this same make which have given unusually satisfactory service.

Bruce the Demonstrator.

F. A Bruce will do the demonstrating in Mystic today, and will then remain in the village to instruct those selected as drivers just how to drive and operate tod to care for the fire-fighting machine. Reports to the contrary this car is built entirely in the shops of the American-LaFrance company and is designed and constructed especially for heavy service. The design includes the latest improvements and best practice known in motor car construction, embodying the refinment and simplicity in details and general construction which are essential in producing a successful chassis capable of withstanding the severe strains of hard service. The material and labor entering into its construction are of the finest, and in its mechanical features the car combines the best points known to motor car builders, and anticipates future developments.

The Powerful Motor.

The motor, throughout, embodies the very highest standard of designs, workmanship and material. The cylinders are cast in pairs of the very finest selected grey iron with offset inlet and exhaust valves on opposite sides, and are bored and ground, as are the pistons and rings, insuring perfect compression. The cylinder dimensions of the type six cylinder, four cycle motor, are 5 1-2 inches bore and a six inch stroke, and 100 horsepower.

The Crank Case.

The crank case, an aluminum casting, is made entirely in one unit and provided with numerous ribs, giving added strength without excess of weight. It is designed to rest directly upon and be bolted to the main frames of the car doing away with subframes. An oil tight extension of the crank case forms a housing for the timing gears. This arrangement gives quiet running gears, good lubrication, and very little wear. All bearings in the crank shaft are provided with oil grooves, assuring constant lubrication. The crank shaft with the fly wheel attached is balanced, and the weights of the connecting rods and pistons are uniform. Thus the reciprocating parts of the motor are truly balanced, doing away with vibration and excessive wear.

Connecting Rods.

The connecting rods are of drop forged 1-section, special heat treated steel, and are machined in jigs and fixtures. The connecting rod cap is drop forged integral with the rod and all rods are interchangeable. The design and proportions of the rod and the material used in its manufacture insure it against any strains that could possibly arise. The design of the valve lifters allows provision for adjustment by means of a set screw with lock nut. By this means a perfect timing of valve lift is obtained. The valve lifters and guides are interchangeable for both inlet and exhaust. The cam shafts are machined from solid bar with integral cams, hardened and ground to absolute accuracy. The timing gears are drop forged of special steel and the teeth are of a fine pitch. This gives a very quiet running gear with good bearing surface, insuring long wear. In fact all parts of the apparatus are of the very best material and construction as well as the most practical in every detail. The tool equipment is also complete and in keeping with the machine, and the equipment is complete. The Mystic machine has electric lights, a locomotive bell and siren horn, extension and roof ladders, two hand extinguishers, four lanterns, two fire axes, crow bar, speedometer and tire chains.

The Important Pump.

The problem of pumping water with the intermittent application of power peculiar to the gasoline motor, has given engineers in this field serious concern. It has been demonstrated conclusively that satisfactory results cannot be expected from a pump primarily designed for steam drive, for the conditions are entirely different. Recognizing the fact, the American-La France company designed a rotary gear pump especially adapted to motor drive. The connection from motor to pump, also the design of the pump proper, are of such a character that virtually full power is delivered to pump, resulting in great efficiency and the durability of the apparatus is naturally increased, for the reason that the superior design of the pumping unit and connections produces a smooth running outfit practically free from wear. In connection with the complete pumping outfit there are two lengths of suction hose, 10 1-2 feet each, 4 1-2 inches internal diameter, with couplings, and two lengths of 2 1-2 inch suction hose, and a metal strainer.

The steel body of the car is painted a coach red and the frame and wheels are painted English vermillion and all the bright parts are of nickel finish, and the apparatus is as handsome and evenly balanced as it is efficient for fire service. Mystic has reason to be proud of this valuable acquisition to the fire department.

THIS YEAR THE GREATEST EVER

Sixty-first Annual

NEW LONDON COUNTY FAIR

Norwich, Conn., Sept. 6th, 7th, 8th, 1915 Opens Labor Day

Governor's Day, Sept. 7th

HON. MARCUS H. HOLCOMB
GOVERNOR OF THE STATE OF CONNECTICUT
TOGETHER WITH THE
MAYORS AND PROMINENT MEN FROM ALL OVER THE STATE
WILL BE OUR GUESTS ON THIS DAY
MILITARY ESCORT FOR THE GOVERNOR AND HIS PARTY
HIS EXCELLENCY WILL SPEAK AT 1.30 P. M.
A GATHERING IN OF
OLD FRIENDS — OLD COMRADES — OLD NEIGHBORS
WE WANT YOU WITH US BECAUSE
THIS IS YOUR GOVERNOR — THIS IS YOUR FAIR
THE ONLY FAIR IN THE STATE WITH A CATTLE SHOW
THIS YEAR
$3,000.00 IN PURSES
STEPPING BY STEPPERS THAT STEP REAL STEPS
BIG FREE VAUDEVILLE SHOW DAY AND EVENING
BIG MIDWAY

Day and Night Fireworks Two Bands Fair In Full Swing Day and Night

LETTERS FROM TWO STATES

Tolland County

RIPLEY HILL

Interesting Debate at Meeting of Hill Top Homes Club—Plans for Fair.

The Hill Top Homes Club met with Mrs. Peterson, Friday, August 13. There was a debate; Resolved: That the women have more influence on the young people than the men. Plans for the September fair were also made.

Nut bread, peaches and cream were served. A very pleasant afternoon was spent, with thirteen present.

Mr. and Mrs. Arthur Topliff have been spending a few days at their summer home on the Hill.

Mr. and Mrs. Arthur Palmer of Spring Hill were week-end guests of Mr. and Mrs. H. Wood.

B. C. Flint, who has been working as clerk for Mr. Hansen, at Mansfield Depot, has gone to work for Mr. Wellwood at South Coventry, taking Mr. Taylor's place.

Miss Sara White of Worcester State Hospital, was at her home over Sunday.

SPRING HILL

A. B. Cummings and family of Staten Island and Walter Cummings and family of Webster, Mass., are at the Sears' home for the annual vacation.

Mr. and Mrs. E. P. West and their four boys were guests at D. C. Flaherty's the first of the week.

Mrs. Nathaniel Michel of New York, her niece, Anna E. Grier of Bronxville, N. Y., and Mrs. A. P Tait of Boston, have been at Alanweld this week.

Mrs. E. F. Storrs has gone to Coult, Mass., to get acquainted with her new grandson. Mary Storrs went with her.

E. F. Storrs spent Thursday with Rev. L. B. Curtis in Stafford.

Mr. and Mrs. D. C. Flaherty, Leonard Smith and Miss Smith went by automobile to Winsted Thursday to call upon Mr. and Mrs. Nelson White.

Miss Marian Storrs was in Bristol for a short stay this week.

Miss Ida E. Reynolds left Thursday for a week's stay in Plymouth, Mass.

There was a sale of aprons, etc., and supper at the Baptist church Wednesday evening by the A. C. M. B.

STAFFORDVILLE

Mr. and Mrs. Chandler and two children were guests of relatives in South Coventry over Sunday.

Mr. and Mrs. Herbert Barlow of New Britain were guests of the latter's sister, Mrs. Frank Belcher over Sunday, making the trip in their automobile.

George Belcher returned home with them for a week's vacation.

Charles N. Smith has resigned at the New City mill as boss spinner. John Rishton of Rhode Island has taken his place.

Mrs. Fred Whipple and Miss Alice Burdick of Jewett City accompanied their cousin, Miss Bertha Belcher home last Sunday, for a few days' visit. W. E. Belcher met them at South Coventry Sunday with his automobile.

C. N. Smith is a boss spinner and carder in Wales, Mass.

Mr. and Mrs. Allison Lyon visited Mt. Tom last Sunday, making the trip in their automobile.

MANSFIELD CENTER

Twenty-five Attend Davoll Family Reunion—Motor Party From New York

Mr. Ayer is at home from Northfield, where he has been spending a part of his vacation. He went to Brantford, Thursday for the remainder of the month.

Mrs. G. H. Wyman has returned, after spending two weeks in Syracuse, N. Y. with her sister.

Mrs. Hausmann spent Wednesday with her daughter, Mrs. John Johnson.

Family Reunion.

The annual reunion of the Davoll family was held at Mr. W. R. Davoll's home Saturday. There were twenty-five present including all the brothers and sisters except one sister, who lives in Tennessee. Relatives were present from Hartford, New Bedford, Andover, Liberty Hill and Willimantic. A splendid time is reported by all who attended.

Motored from New York.

A party of New York friends called on Mr. and Mrs. Early, Sunday, making the trip in an automobile.

Mr. and Mrs. Clifford Davoll and grandson Wesley, motored from New Bedford, to spend the week-end with Mr. William Davoll and to attend the family reunion.

Mrs. Josephson and son Carl, of Windham, spent Sunday with Miss Esther Josephson at Mrs. Keleher's.

Nelson Prentice of Buffalo, N. Y., is visiting at Mr. Bigelow's.

Mrs. Wyman is entertaining a niece and a nephew from Southbridge.

Charles Barrows and Miss Nettie Barrows are at home, after spending the summer at Ocean Beach.

Mrs. Ernest Dunham and daughter Lillian spent last week in Hartford, guests of Mrs. Dunham's mother, Mrs. Lauder.

EAST WILLINGTON

Mrs. Edwin Cushman and daughter Sylvia, spent the week-end with friends in Rockville.

Mr. and Mrs. De Las Conant of Willimantic, were guests over Sunday of Mr. and Mrs. Ernest Wilson.

Helen Hutchinson is visiting her aunt, Mrs. E. L. White.

Roy Wilson is the guest of Raymond Armidan at their camp in Westford.

Grace Wilson, Mrs. Merrill Cushman and Miss E. Cushman, spent Tuesday with Mr. and Mrs. E. H. Cushman in Westford.

BOLTON NOTCH

The Rev. W. D. Woodward is spending the week at the Willimantic camp ground.

Mrs. Jessie Smith and daughter, Bernice, are visiting in Bristol, guests of Mrs. Smith's mother.

Miss Mary Crow, Harry Crow and Lizzie Nutland, were at Savin Rock, Thursday.

Mrs. E. A. Shaw and son, Elmer, and Mrs. Loren Maine, were at Willimantic camp meeting Sunday.

Mrs. Archie Bouman and two children of Putnam, visited at Charles Salter's Tuesday.

STAFFORD

Bridge to be Raised—Clarke Brown to Graduate at Northfield.

The bridge near the residence of George Lord is to be rebuilt with a cement pier in the center. The bridge will be raised a little.

The registrars met at Wightman's carriage shop the 13th, to register voters for the caucuc enrollment.

Mrs. Brewer of Hartford has been visiting her granddaughter, Mrs. E. H. Swift.

Mrs. Ellen Webber is spending two weeks with friends in Somers.

Alva Brown and family are spending a week on the Willimantic camp ground.

Clarke Brown was graduated last week at the Moody Bible institute. He is spending a few days with his brother in New York, before returning home.

Ralph Swift spent a week with relatives in Long Meadow.

MANSFIELD

Charles J. Fuller and family, Mrs. Helen Fuller and family and Earl Fisher were among automobile parties that spent Sunday at Ocean Beach.

Mrs. George Phillps and son of Hartford are visiting at O. G. Hanks'

Harry Hanks of Hartford is spending part of his vacation on Hanks' Hill.

William A. King, John King of Willimantic, and Mr. and Mrs. O. G. Hanks are motoring through the Berkshires.

Edward Bates and a friend from Gurleyville, spent Sunday at New London, Groton and Ocean Beach.

Mr. and Mrs. E. Smith and Miss Ida Smith are spending the week at the camp ground.

The ladies held a well attended salad and baked bean supper Friday night at the parsonage of the Gurleyville church.

UNION

Mr. and Mrs. Harry Palmer of Hartford spent Sunday at the Marcy homestead.

Mrs. L. Miller is with friends in Pomfret and Southbridge.

G. R. Towne, who has been ill with a light case of pneumonia, is slowly gaining.

Rev. T. A. Williams is on a six weeks' vacation, visiting relatives in his native country, Wales. Rev. Mr. Morrow is supplying while he is absent.

The funeral of William Scranton was held at the church Sunday, Rev. Mr. Morrow officiating.

There was a social at the home of Mr. and Mrs. Harry Lawson Friday evening.

Arthur Makepeace is spending a few days in Monson.

The extent of electric power used in making a modern metropolitan newspaper is best illustrated by the fact that nearly three hundred different electric motors are required to publish the New York Times. These motors aggregate more than five hundred horse power.

Washington County, R. I.

RICHMOND

Successful Old Home Day at Liberty—Personal Items.

Margaret and Dorothy Tosler have returned to their home in Newport, after three weeks' visit with relatives here.

Mr. and Mrs. Philip J. Ramsay of Auburn, R. I. are visiting Mrs. Ramsay's parents.

Florence Gardiner of Providence is visting her parents, for a few weeks.

Wednesday, Aug. 18, was Old Home Day at Liberty. A beautiful cool day and clear sky called many out. From every view point it proved a successful and enjoyable time. Vocal and instrumental music, speaking by some of the noted men of New England added in making it a memorable day.

Mr. and Mrs. Harold Hall of Lincoln Park called on Everett R. Moore and family, Sunday. They made the trip by automobile.

Mr. and Mrs. Edwin Smith were in Providence Wednesday, to see Mr. Smith's sister, who is very ill.

USQUEPAUGH

Mr. and Mrs. Kenyon, who have been spending their vacation with his parents, returned Monday to their home in Brooklyn, N. Y.

Supt. Frank Bill, of the Blackstone mills, and family, were visitors with their cousin, Mrs. I. M. Kenyon, Sunday.

Mrs. Georgia Bill of Valley Falls was a visitor here, Sunday.

Mrs. E. L. Simmons has gone to Massachusetts as matron in a training school.

Several from here attended the Liberty clambake, Wednesday.

J. C. Cahoone of Wakefield was a caller here, Thursday.

Mrs. William Palmer and daughter Dorothy, returned to Providence, Sunday, after a few weeks' visit with Mrs. Caroline Palmer.

William Palmer of Providence spent Sunday with Mrs. Caroline Palmer.

Mr. and Mrs. Metcalf were in the village Monday, looking over the Watson property.

Dr. S. C. Webster and son George of Westerly, accompanied by Mrs. Webster, of Philadelphia and Mrs. S. C. Webster Jr., of Readville, Mass., were visitors with relatives here Tuesday.

Miss Josie Sullivan has returned here, after a few days' visit at Providence.

Miss Mollie Kenyon of Poquonoc, Conn., is visiting her aunt, Mrs. E. E. Kenyon.

Miss Grace Connell is entertaining her sister, Mrs. Walter Connell and children, of Bridgeport, Conn.

Mrs. Randolph Carpenter of Brooklyn, N. Y., is visiting J. S. Larnard.

WEEKAPAUG

Mr. and Mrs. Robert Smithers of the Robinson cottage are spending a few days in New York.

Howard Butcher, Jr., who has been spending several days with his family at Birds Nest camp has returned to his home in Ardmore.

Mr. and Mrs. George Marshall, of Bayfield cottage, were callers at the Macombet faram Wednesday.

Miss Margaret Lincoln is the guest of Miss Mollie Tongring at the Robinson cottage.

Mrs. J. B. Dunn is entertaining her cousin from Boston at her cottage, Dunnmore.

Miss Hilde Young and her grandmother, Mrs. Adele Burdick, are in Milton, Wisconsin, attending the Seventh Day Baptist association meetings.

ROCKVILLE

Mrs. Rachael Bee and son, Alva Bee, who have been guests of Mr. and Mrs. Harold K. Crandall for two weeks, returned Saturday to their home in Clarksburg, West Virginia.

Emory C. Kenyon was a business caller in Westerly Sunday.

Mr. and Mrs. Nathan James of North Hopkinton, were callers in this place Sunday.

Hon. Benjamin Kenyon and wife are visiting the former's sister, Mrs. Mary Sunderland at Wickford.

Mr. and Mrs. Harold R. Crandall and daughter, Elizabeth, were guests over the week of Mr. and Mrs. Charles C. Crandall of Westerly.

Mrs. Carlton Irish and two children, were guests last week of Mrs. Osmas Edwards at Quonochontaug beach.

Miss Florence M. Barber of Jersey City, N. J., who has been the guest of Miss Florence I. Barber for two weeks, returned to her home last Saturday.

Mrs G. F. Barber and daughter, Miss Ella F. Barber, of Woody Hill, were callers in this place Tuesday.

HOPKINTON

Hon. E. R. Allen is entertaining his brother, Edward T. Allen, from California.

Rev. E. P. Mathewson spent a few days this week in Warrenville, Conn., at the home of Wallace L. Durkee, and attended and addressed the annual Bible meeting Wednesday.

George N. Crandall of North Hopkinton, accompanied by his grandson, was the guest of his son-in-law, Chas. N. Kenyon, Saturday.

Rev. H. C. Van Horn of Ashaway and family will attend the Seventh Day Baptist General Conference at Milton, Wis., the last week in August.

Frank W. Mills of Westerly spent Sunday at the home of his mother, Mrs. A. Irene Mills.

PRECAUTIONS TO PREVENT COAL MINE EXPLOSIONS.

Recommendations Issued by the Bureau of Mines.

Washington, August 20.—That widespread coal-mine explosions with their large loss of life can be prevented if the recommendations of the Bureau of Mines are used and if care is taken at all times by everyone in the mine is the assertion made by George S. Rice, chief mining engineer of the bureau in a report made public today.

Mr. Rice goes further and declares that mine explosions can no longer be considered "acts of God" for which no one is responsible. He says that mine managements are not using the means that are at hand to prevent explosions, especially coal-dust explosions: "Despite all that has been said and written during recent years about the prevention of explosions," says Mr. Rice, "it must be admitted that unsatisfactory progress has been made in this country in lessening the number of dust explosions. Out of 100 typical mihes examined in one state, only fifteen were taking any precautions, and in only a few of these was there enough systematic humidifying or watering to give reasonable assurance that the coal dust, always present in a coal mine, was rendered nonignitable.

"Perhaps the reason better protection is not sought in bituminous mines in general is that coal dust is everywhere and its presence and danger are frequently forgotten. The risk of an explosion seem to a mining man like the chance of being struck by lightning, yet the chances are greater than that, as indicated by the toll of mine explosions in this country, which has varied in recent years from 400 to 1,100 deaths per annum.

"No better illustration of the advantage of carefulness can be found than in the mines of Belgium. In those mines great instantaneous outbursts of inflammable gas from the measures into the mine workings are frequent, sometimes smothering the men, yet for the last twenty years no explosions of any magnitude have occurred through ignition of the gas, though prior to 1893, when less precautions were taken, there had been many great disasters.

"The adoption of preventive measures is largely in the hands of mine operators, but in the carrying out the provisions every mine employe is concerned.

"Without open flame of some sort there would be no mine explosions. Permissable exposives as recommended by the bureau for use in gaseous mines produce some flame, but their flame is so small and its duration so brief that if properly used they will not ignite gas or dust; and if they were employed throughout the coal mines to the exclusion of black powder, dynamite, and other explosives of a character dangerous to use in coal mining, it is believed by bureau engineers that nearly one-half of the explosions would be prevented.

"If safety lamps or permissible electric lamps were used, even in so-called nongaseous mines, it is thought taht over one-third of all explosions in this country would be prevented.

"It is observed by the field engineers of the bureau that the unexpected presence of gas is a most important factor in the starting of mine explosions. In many a so-called nongaseous mine, gas issued in small feeders at the face in some part of the mine, as a matter of daily occurrence, yet open lights are used in such a mine. This is particularly a source of danger in those Alabama and Oklahoma mines in which much firedamp is found. Also there are many mines, doubtless more than half of the mines in the United States, in which small bodies of gas are occasionally reported, yet these mines are rated as nongaseous and open lights are freely used, despite the fact that a considerable proportion of the explosions have occurred in just such mines through the ignition of a pocket of gas by long-flame explosives or by an open light.

"Comparatively few of the coal mines of the country are frankly acknowledged to be gaseous, and singularly enough, since the bureau's work was inagurated in 1908, only a single explosion disaster has occurred in a mine in which safety lamps were being used prior to an explosion.

"The reason for greater immunity from explosions in mines that are ordinarily considered dangerous because of the presence of firedamp is that greater care is taken in all respects. Viglience is not relaxed, open lights and the use of matches is forbidden, permisible explosives are exclusively used, and the ventilation at the working places, at the face, is carefully maintained."

Mr. Rice outlines in his report a series of so-called "Rock dust barriers" as a means of stopping explosions that have started. These barriers consist of shelves filled with stone dust and placed at certain points in the mine. The idea is that the force of an explosion will raise the stone dust into a cloud and as there is nothing in the stone dust to burn, the explosion will be choked and smothered. Mr. Rice, who refers to these devices as secondary safeguards, has already tried them out with success in the bureau's experimental mine, and they have been patented for the benefit of the mining public.

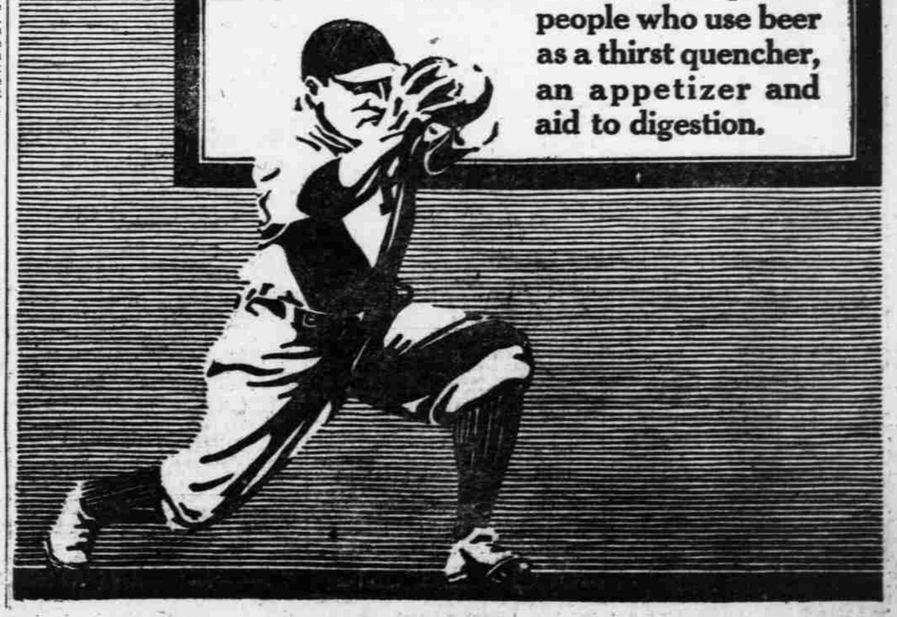
There are no old maids in Turkey. No wonder, then, that country has so many unhappy men.—Detroit Times.

Children Cry
FOR FLETCHER'S
CASTORIA

Resinol heals

itching skins

When you know physicians have prescribed Resinol for 20 years in the treatment of itching, burning, unsightly skin eruptions, and have written thousands of reports such as: "It is my regular prescription for itching," "Resinol has produced brilliant results," and "The result it gave was marvelous in one of the worst cases of eczema," doesn't it make you say to yourself, "that's the right kind of treatment for *my* skin-trouble?" *Resinol is sold by all druggists.*

The Famous Narragansett "BEST BY FAR" LAGER AND ALE

These Liquid Food Products, are rarely used to excess; their rich malt content and hop fragrance are enjoyed by thousands upon thousands of temperate people who use beer as a thirst quencher, an appetizer and aid to digestion.