

The Buzz



The Official Publication of

The Dairyland Tin Lizzies

What's inside?

- Model T's at School report (starts here)
- Upcoming Events
- Spring Business Meeting Minutes
- Destination Door County Tour
- The Three Mill Tour
- Fort Atkinson Tour
- MTFCA Safety Inspection Form
- National Events
- Tools Explained
- Membership Roster
- Not quite "Wayback"

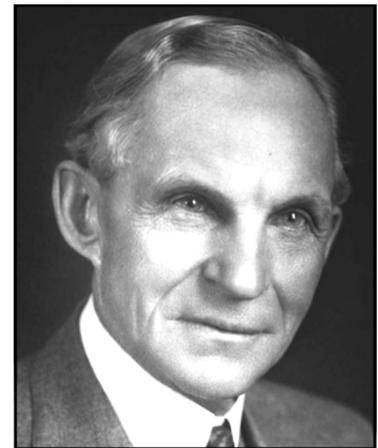
Model T's at School May 7, 2018

By Jim Rodell, Jr.

Eric Rodell is a sophomore at Kettle Moraine Lutheran High School near Jackson, Wisconsin. There is an evening in August when students and parents spend five minutes in each classroom to learn about the courses the students will be taking that year. One of the courses taken by Eric is American History. Mr. Jerry Zeamer, an American History instructor, began his presentation by showing portraits of the people they would be studying, and asked the audience to identify them. Everyone knew Washington and Lincoln. A few knew Teddy Roosevelt. When the last picture appeared, Eric's father's hand shot up and he couldn't help but blurt out, "Henry Ford!"

As you can guess, after the session was over, I stayed after class to ask Mr. Zeamer when the class would be studying Henry Ford. When he replied, "Around Easter", my next question was "Would you like to have a Model T at school?"

As with many of our events, synergy took it to the next level. Mr. Zeamer was enthused about the idea of Model T's coming to his school, and passed the excitement on to his students. I requested help for this event from our Dairyland Tin Lizzies, and was encouraged by the enthusiastic support of our members. A lesson plan was developed, and the



date for our visit was set for April 6, the Friday after Easter. It was a fairly mild winter- no problem... The weather went from spring back to winter, and we received snow on April 3, with more snow and cold predicted for the rest of the week. The date was pushed back two weeks to April 20, it would surely be warm by then... Winter struck again with a snow storm on April 15, and another snowfall on April 18, leaving over a foot of snow on the ground. Once again, the date was rescheduled.

May 7 proved to be the perfect pick. The sun was shining, the grass was green, the flowers were blooming, and the temperature was about 75 degrees. It was the perfect day for a Model T ride. Our presentation began with Jim Rodell, Jr. explaining how Henry Ford began in the automobile business and how Ford went through the alphabet as he worked to improve the Ford automobile leading

— Continued on page 3



UPCOMING 2018 EVENTS

Save these dates!

May 26 - 28

Destination Door County Tour

Details Inside

June 2

The Three Mill Tour

Starts from Vrana Fame & Body, West Bend at 9am

Details Inside

June 16

Tin Lizzie University & Swap

At Rich Edler's, Waldo with "Ladies Day" Activities TBA

Starts at 9am

June 17

Wings & Wheels

At the Sheboygan County Airport

Courtesy of Jack and "Sister" Barb Leonhardt

June 30

Rendezvous at Fort Atkinson

Tour starts at 8am in Hartford, Featuring the Historic Water Tower, Foster House & The Hoard Museum - Details inside

July 23 to 27

EAA Airventure, Oshkosh

Details available from Kevin Bruso

August 25

Amish Tour

Departs at 9am from Pulvermacher's in Princeton

November 11

Fall Business Meeting

At Kim's 5 Corners Tavern, Waldo — 2pm



Dairyland Tin Lizzies Officers

President: Gregg Zangl *** Treasurer: Ken Lefebor

Vice President: Kevin Bruso *** Webmaster: Carol Gumbinger

Secretary: Jim Rodell, Jr. *** Newsletter Editors: Pete & Shelly Humphrey

—Continued from Page 1 up to the Model T. Keith Gumbinger emphasized the characteristics unique to the Model T, making it a success which “put America on wheels”. Tod Wirth explained the evolution of the Model T from the “brass era” to the “black era” to the “improved Ford”. Paul Wilcox went over the basic components of the Model T showing similarities and differences compared to the modern automobile. Chad Prost



demonstrated the steps of starting and driving a 1916 Model T. Fifteen minutes at the end of each class period left enough time to give the students a Model T ride on the school

grounds. Back at the starting point, the students changed to a different Model T for a second ride on the route. The Model T presentation and rides were provided for two different class periods with 21 students in each class.

The students, faculty, and Dairyland Tin Lizzies members were all smiles. The Daily News was there to report on the event, and wrote a front page story for the May 8 edition along with photos of Prost’s 1916 runabout and Tod Wirth’s 1917 American LaFrance – equipped Model T fire apparatus. The Daily News also produced a video which is now found on Youtube.



Ten Model T’s were at this event, and I am thankful to our members for sharing their time and their Tin Lizzies with these young people. The vehicles and members present, in chronological order of their vehicles, are:

- 1914 Touring, Keith and Carol Gumbinger
- 1914 Runabout, Howard and John Fischer
- 1916 Runabout, Gary and Chad Prost
- 1917 American LaFrance, Tod Wirth
- 1920 Huckster, Paul Wilcox
- 1922 Huckster, Jim Rodell, Jr.
- 1924 Touring, Adam and Christine Doleshal
- 1926 Tudor, Dave DeYoung
- 1926 Coupe, DeWayne Fritz
- 1927 Touring, Jim Rodell, Sr.

— Continued on next page

—Continued from page 3

Mr. Zeamer has already asked us to come back next year. With the happiness seen on the faces of all who participated and the talk of having ice cream next year, I think we may have started something. What better way to spend a beautiful afternoon than to share our enjoyment of the Model T with some young folks?

By the way, the first young man who rode with me told me that this was the second Model T ride of his life. His first ride was at the EAA Airventure. Keep up the good work, Dairyland Tin Lizzies!



For Sale

- Ford Script Model TT stakebed (complete). With original and hard to find front metal stakes. Stainless steel bed strips, \$1800.00.
- Hi Speed Model TT rear end. Acquired 3000 miles since disassembly/assembly. 3000 miles on axle bearings and sleeves. \$500.00.
- AA rear end \$50.00

Jack Leonhardt 920-226-1005



Become a member of the Model T Ford Club of America. Active membership includes all the privileges of the Club, including six issues of **The Vintage Ford**, free admission to the Model T Museum for member and immediate family and one voting ballot per member-family for election of the Club's Board of Directors. Annual dues are \$40 for the U.S. Lifetime memberships are available.

Direct correspondence to:
MODEL T FORD CLUB OF AMERICA
 P. O. Box 996
 Richmond, IN 47375-0996

5-07-18

Jim,

Special thanks to you and other members of the Dairyland Team Kizzies for making this event a reality for my US History students we truly appreciate you helping organize this event to help students realize how the innovations of Henry Ford and others from his era are still relevant in their lives today.

God's continued blessings,
Judy Ziem

Thank you!!
Ashlyn

Thanks for your time - Grant

Thank you!
-Kelli

Thank you for taking the time to share a bit of history with us!
-Elizabeth

Thank you!
~Grace

Thank you!
-Jenna

Thank you!!
Dylan

Thank you!

-Courtney

I thank you.
-Ben

Thank you
-Clara

Thank you for this awesome opportunity!
~ Jordyn

Thanks so much!
-Jenna

Thank you for the Great Fords - Skyler K

Thank you!
-Molly

Thank you so much!
-Katie

Thanks for the great opportunity!
-Nina Marie

Thanks so much!
-Katie

Thank you!!
-Caleb

~~Abbie~~ Thank you!
!! -Josh

Thank you for giving us your time and the Model T. - Jason

Thank you!
-Clara

Thank You for your time
-Elijah

You're the bomb!
-Preston

Thank you!
-Taylor

Thank you!
Keya

Thank you
-Jacob

Thank you for your time!!
-Luke

Thank you for the rare experience!
-Ethan

Thanks for a one in a lifetime experience
-Cooper

~~Thank you~~

Thank you for bringing the Model T. - Joshua

Thank you for taking time to give us this amazing experience!
-Amber

Thank you so much! - Emma

Thank you for coming and teaching us! - Amelia

Thanks a lot! - Ben

Thanks for your time
-Kyle

Thanks for the learning experience,
-Kathryn

Thanks for the learning experience
-Tevens

Thank you!
-Kyra

Thank you
-Jalie

Thank you for coming!
-Olivia

Thank you!!
-Maddie

Thanks for giving your time to show us the Model T's! - Becky



Dairyland Tin Lizzies

Minutes of April 8, 2018 Business Meeting

The spring meeting of the Dairyland Tin Lizzies was called to order at 2:04 p.m. by Vice-president Kevin Brusco on Sunday, April 8 at Kim's 5 Corners east of Waldo.

Members present were:

| | |
|-------------------------|------------------------------|
| John & Carol Brodtke | Paul Brodtke |
| Kevin Brusco | Richard Edler |
| John Fischer | DeWayne Fritz |
| Keith & Carol Gumbinger | Pete & Shelly Humphrey |
| Ken Lefeber | Jack & Barb Leonhardt |
| Mary Ann Miller | Jeffrey Pagels |
| Gary & Chad Prost | Denis & Melodie Pulvermacher |
| Jim Rodell, Jr. | Jim Rodell, Sr. |
| Diane Scheid | Sandra Stock |
| Billy Vrana | Joe Vrana |
| Paul Wilcox | Bob Wirth |

New members/guests included Dave & Gayle DeYoung, Jeff & Rene Fritz, and returning member Michael Reinl and friend Matt.

John Fischer moved to dispense the reading of the minutes from the November 12, 2017 meeting and to accept the minutes as printed in the December, 2017 issue of The Buzz. Chad Prost seconded the motion. Motion carried.

Vice-president Kevin Brusco reported that he was chairing the meeting because Gregg was the recipient of a surprise birthday party.

Secretary Jim Rodell, Jr. reported that he received a 2018 schedule of events from Elmer's Auto & Toy Museum in Fountain City, Wisconsin. Secretary Rodell also reminded members that our club has a policy of membership in the Model T Ford Club of America for Dairyland Tin Lizzies members.

Treasurer Ken Lefeber distributed copies of a treasurer's report showing income and expenses from November 12, 2017 to April 8, 2018, with an ending balance of \$273.48. Jim Rodell, Sr. moved to accept the Treasurer's Report. John Fischer seconded the motion. Motion carried.

Webmaster Carol Gumbinger reported that she is always looking for more contributions of material.

Jim Rodell, Jr. asked if the Dairyland Tin Lizzies should have a Facebook page, and some discussion followed.

John Fischer moved that the Dairyland Tin Lizzies should search for a Facebook moderator. Paul Brodtke seconded the motion. Motion carried.

OLD BUSINESS:

Pete Humphrey reported on the Christmas party held January 6 at Aidan O'Reilly's. A great meal was again accompanied by a lively white elephant gift exchange.

Keith Gumbinger reported on Tin Lizzie University held at Vrana Frame & Body Shop on January 20.

NEW BUSINESS:

Keith Gumbinger, who is a director of the Model T Ford Club of America, reported on the MTFCA Chapter Rewards Program. Each chapter is granted a free individual one year membership to the MTFCA, which the chapter may award at its discretion. Keith also announced future national tours and annual meetings.

Jack Leonhardt acknowledged Keith & Carol Gumbinger for their monetary donation to the Model T

Museum, which was listed in the March-April issue of the Vintage Ford.

Jack Leonhardt, who serves as club librarian, requested that the Dairyland Tin Lizzies would purchase the three part rear axle rebuilding videos. Carol Gumbinger moved to approve purchase of the videos. Paul Brodtke seconded the motion. Motion carried.

Jim Rodell, Jr. reported that the “Model T’s at School” event at Kettle Moraine Lutheran High School near Jackson had been rescheduled from April 6 to April 20 because of cold and snowy weather. (Note: It was rescheduled again because of a late April snowstorm to May 7.)

Diane Scheid provided information about the upcoming “Destination Door County”, to be held May 26-28.

Rich Edler will host a Tin Lizzie University work session at his garage near Waldo on Saturday, June 16, beginning at 9 a.m. Billy and Joe Vrana will demonstrate wheel alignment on a Model T. Ken Lefeber will bring his coil tester. Other members are encouraged to bring projects to work on. Lunch will include broasted chicken and potato salad. A “Girls Day” will also be held during the same time and may include a visit to Christopher Farms, owned by the founder of Pampered Chef.

Jack and Barbara Leonhardt will again be hosting refreshments in their hangar at Sheboygan County Airport during “Wings and Wheels” on Father’s Day, June 17, from 9 a.m. to 4 p.m.

Jim Rodell, Jr. outlined details for the “Rendezvous in Fort Atkinson” he is organizing with Jim Wright for June 30.

Kevin Brusco announced that the Dairyland Tin Lizzies are invited back by Ford Motor Company to EAA Airventure July 23- July 27 to give Model T rides. This will be the eleventh year for the Dairyland Tin Lizzies to provide rides at EAA Airventure. In 2017, over 3,000 Model T rides were given over 5 days.

Billy Vrana announced plans for a tour on June 2 to begin at Vrana Frame & Body Shop in West Bend at 9 a.m. The tour will include tours of three feed mills and a saw mill.

Denis & Melodie Pulvermacher announced plans for an August 25 tour leaving from their home southeast of Princeton at 9 a.m. to points of interest in Pardeeville and Montello.

Kevin Brusco reported that the Kovac Planetarium, which was a part of the 2013 Hodag Tour, has ceased operations.

Keith Gumbinger read the section of the March-April issue of The Vintage Ford which gave details of the “Chapter Rewards Program”, and discussion followed about how the Dairyland Tin Lizzies should administer this program.

1. Sandra Stock nominated Jeff Pahl of Newton, organizer of the “Lakeshore Old Car Rally” to receive the award.
2. Paul Brodtke suggested that the MTFCA membership be given to a young person, perhaps a student who shows interest at the “Model T’s at School” event.
3. Pete Humphrey nominated Jeff & Rene Fritz to receive the award. Jeff Fritz expressed his desire for the award to go to someone else.

A vote by show of hands was held to decide between options #1 and #2. Six votes were cast for option #1. Eighteen votes were cast for option #2. Chad Prost moved that the recipient of the award should also receive a free one year membership to the Dairyland Tin Lizzies. Keith Gumbinger seconded the motion. Motion carried.

The next business meeting of the Dairyland Tin Lizzies will be held 2 p.m. on November 11, 2018 at Kim’s 5 Corners.

Gregg Zangl was reached by telephone, and agreed to run for a third term as president. Keith Gumbinger moved to retain the existing officers for another term. Jack Leonhardt seconded the motion. Motion carried. The meeting was adjourned at 3:45 p.m. Dues for the 2018-2019 club year were collected.

Respectfully submitted,

Jim Rodell, Jr.
Secretary, Dairyland Tin Lizzies





TO: ALL DAIRYLAND TIN LIZZIE MEMBERS
WHEN: MEMORIAL WEEKEND; MAY 26-28
WHERE: DOOR COUNTY, WISCONSIN

IS EVERYONE READY FOR OUR ANNUAL MEMORIAL WEEKEND TOUR TO DOOR COUNTY? WE ARE MAKING PLANS FOR A FUN-FILLED WEEKEND OF TOURING BEAUTIFUL DOOR COUNTY WITH OUR MODEL T'S. WE HAVE SOME GREAT STOPS PLANNED AND SOME WONDERFUL SCENIC ROADS.

AS IN PAST YEARS WE WILL BE DEPARTING FROM THE KOHLER GENERATOR PLANT IN SHEBOYGAN AT 9:00 AM SATURDAY, MAY 26TH. FOR THOSE WHO WILL BE TRAVELING TO SHEBOYGAN ON FRIDAY NIGHT, WE WILL GATHER AT THE TEXAS ROADHOUSE FOR DINNER AT 6:00 PM. ACCOMMODATIONS CAN BE MADE FOR FRIDAY EVENING AT THE QUALITY INN (920) 457-7724.

ROOMS ARE BEING HELD AT RUNAWAY LODGE IN VALMY FOR SATURDAY AND SUNDAY EVENING. PLEASE RESERVE YOUR ROOM EARLY AS SPACE IS LIMITED. PHONE: (920) 746-4046 AND MENTION YOU ARE WITH THE MODEL T CLUB.

SATURDAY WE WILL SPEND THE DAY TRAVELING TO OUR DESTINATION WITH A STOP FOR LUNCH, AS WELL AS A FEW OTHER PLACES OF INTEREST. SATURDAY EVENING WE WILL HAVE APPETIZERS AT THE LODGE (weather permitting) AND THEN DINNER ACROSS THE STREET AT HAPPY HOUR – if you are still hungry. WE WILL HAVE A LIGHT CONTINENTAL BREAKFAST SUNDAY MORNING AT THE LODGE BEFORE WE BEGIN OUR DAY OF TOURING. EVENING DINNER TO BE ANNOUNCED. MONDAY WE WILL STOP FOR BREAKFAST BEFORE WE VENTURE HOME.

EVERYONE IS WELCOME TO BRING AN APPETIZER TO SHARE SATURDAY EVENING – FEEL FREE TO CALL ME AND I'LL MAKE SURE WE HAVE A NICE VARIETY. PLEASE BRING YOUR OWN BEVERAGES.

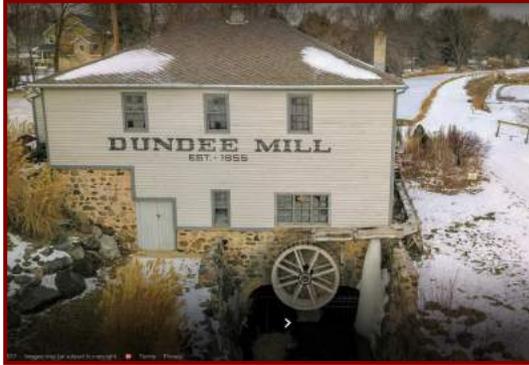
WE HOPE TO SEE YOU ON THE TOUR – WE LOOK FORWARD TO A GREAT TURN OUT!

DIANE SCHEID & DEWAYNE FRITZ
 262-339-1301 or 414-322-9535

DAN & PHYLLIS SCHULTZ
 920-946-3630

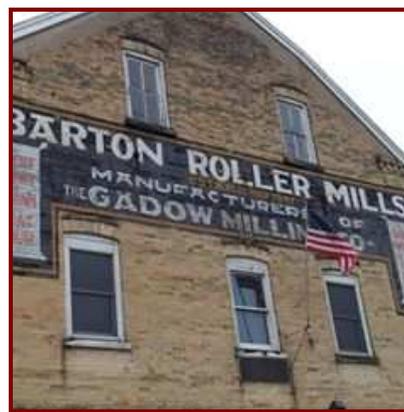


BILLY URANA'S THREE MILL TOUR



Please join us on June 2nd for a first of its kind tour for the Dairyland Tin Lizzies. We will be stopping at three mills; one flour mill and two feed mills. Our mileage may vary between 50 and 70 miles depending on the weather and hopefully, early June weather will be fantastic.

The tour may also include a stop at Fritz's Studebaker Garage in Beechwood. Lunch will be at one of our favorite stops: the Hamburger Haus in Dundee. This should be a great time.



Rendezvous at Fort Atkinson

A joint tour of
The Greater Milwaukee Model T Club and the Dairyland Tin Lizzies



Saturday, June 30, 2018



Join us for a day of Model T travel, adventure, and fun as we discover the treasures of Fort Atkinson. The Greater Milwaukee Model T Club, led by Mike Zahorik, will travel west to Fort Atkinson from New Berlin. The Dairyland Tin Lizzies, led by Jim Wright, will travel south from Hartford. Meet at Artistic Landscape Company, 765 Cleveland Ave. for an 8:00 a.m. departure. We will arrive in Fort Atkinson at about 10:30 a.m.

We will split into smaller groups before and after lunch, and will be visiting the historic water tower built in 1901, the Foster House constructed in 1841, and the Hoard Historical Museum.

At noon we will have lunch at Brock's River Walk Restaurant in a special room to accommodate the entire group with a beautiful overlook of the Rock River.

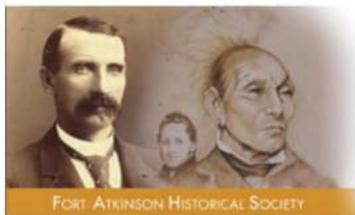
Be sure to set aside June 30 for this special opportunity. Please RSVP by May 15 so we may plan accordingly.

RSVP

Mike Zahorik (414) 254-6768 or

Jim Rodell, Jr. (262) 224-9734

More details to follow.



NATIONAL DAIRY SHRINE'S VISITORS CENTER

MTFCA MODEL T SAFETY INSPECTION FORM

As a participant on the _____ Tour, hosted by the _____ Chapter of the Model T Ford Club of America, you are required to inspect your car prior to being admitted to the tour. Please check each of the following with a “√” for yes, “N” for no, or “NA” for not applicable. **Please bring this form to the tour and sign and date it at the start of the tour.**

Steering

Steering wheel has minimal (less than 2”) to no play _____
 Acceptable wear and minimal to no play in: _____
 • Radius rod (wish bone) to crankcase _____
 • Ball arm(pitman arm) to steering gear connecting rod (drag link) _____
 • Steering gear connecting rod(tie rod) to yoke ball _____
 • Spindle bolts (kingpins) _____
 • Spindle connecting rod bolts _____

Cotter key (or lock washers, if holes not drilled) installed in the following: _____
 • Radius rod (wish bone) to front axle (2 required) _____
 • Steering gear bracket to frame(3 required) _____
 • Ball arm (pitman arm to steering post (1 required) _____
 • Steering gear connecting rod (tie rod) to yoke ball (2 required) _____

- Steering gear connecting rod (tie rod) To steering gear ball (2 required) _____
- Spindle connecting rod to spindles [2 (1 per spindle)] _____
- Spindle bolts (kingpins)[2(1/spindle)] _____
- Spindle arms [2(1/spindle)] _____
- Front spring hangers (shackles) [4 (2 per side)] _____
- Front spring to frame [2 or 4 required, depending on year] _____
- Yoke ball (1 required) _____
- Safety-wire crankcase studs holding radius rod ball cap _____
- Grease in steering gear case and steering gear bracket (also check gear post and pinion gears for wear) _____
- Check for play in steering gear case to steering column (check rivets/taper pins) _____
- Lock screw installed in quadrant _____

Brakes

Brake pedal (and, reverse pedal) bottom out before reaching floorboards _____
 Both rear wheels lock-up under hard braking _____

Note: Auxiliary brakes are highly recommended for stock cars and should be installed if car has an auxiliary transmission

Emergency Brakes

Hand brake sets securely before limit of its travel (check pawl and spring) and both rear wheels lock. _____
 Note: The hand brake must be able to hold the car with the engine running and should be able to hold the car on a moderate slope.

- Cotter keys (or lock washers, if holes not drilled) Installed on:
- Control shaft assy to frame (4 required) _____
 - Brake shoe bolt [2 (1 per side)] _____
 - Brake rods [4 (1 per end)] _____

Engine/Power Train

Oil leaks – within acceptable limits _____
 Gasoline leaks-none, when parked (in-line shutoff valve recommended) _____
 Cotter pins installed on:
 • Carburetor rod [2 (1 per end)] _____
 • Choke/carburetor adjustment rod [1 at carburetor] _____

- Commutator rod[2 (1 per end)] _____
- Crankcase arm to frame[4(2 per side)] _____
- Low speed connector [2 (1 per end)] _____
- Universal ball cap [2 (top bolts)] – bottom two cap screws safety-wired together) _____
- Fan bolt (on earlier cars) _____

— Continued on next page

— Continued from Page 12

THE MODEL T FORD CLUB OF AMERICA
OPERATIONS MANUAL / JANUARY 2017

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wheels Spokes (and felloes on earlier cars) are tight _____ Front wheel bearings-no play, good condition and greased _____ | All wheels tight and axle/spindle nuts cotter-keyed _____ Lug nuts tight on demountable rims _____ Checked tires for wear, weather Cracks, rim cuts, etc. _____ |
| Rear Axle Rear wheel nuts tight and secured with Cotter pins (use long wrench) _____ Cotter keys (or lock washers, if holes not drilled) installed: • Rear spring to frame [4 required] _____ | • Rear spring hangers (shackles) [4 (2 per side)] _____ • Rear spring perches to wheel flanges(backing plates) [2 (1 per side)] _____ No oil leaks at outer seals _____ Check differential gearcase oil level _____ |
| Other Lights functional _____ Brake light (may not be original equipment, but recommended) _____ Safety glass (strongly recommended) _____ | Rear view mirrors(s) _____ Fire extinguisher _____ First Aid kit _____ Registration and Insurance Papers _____ |

UPCOMING 2018 NATIONAL EVENTS

See the details for these national events in the current issue of The Vintage Ford.

Redwood Trees to Pacific Seas—2018 MTFCA National Tour

Sonoma County, California - June 3rd thru June 8th 2018

Come Home to Richmond National Tour

Hosted by Henry's Hoosiers & Southwest Ohio Chapters

Richmond, Indiana - July 8th thru 13th 2018

Model T Homecoming— Car Show, Swap Meet, Seminars

Richmond, Indiana — July 14th, 8am to 4pm

Antique Ford Day — Display your Ford on Main Street

Sponsored by the Prairie A's Antique Ford Club of Champaign/
Urbana, Illinois; St. Joseph, Illinois, 10am-3pm

Tools Explained

DRILL PRESS: A tall upright machine useful for suddenly snatching flat metal bar stock out of your hands so that it smacks you in the chest and flings your beer across the room, denting the freshly-painted project which you had carefully set in the corner where nothing could get to it.

WIRE WHEEL: Cleans paint off bolts and then throws them somewhere under the workbench with the speed of light. Also removes fingerprints and hard-earned calluses from fingers in about the time it takes you to say, 'Oh sh--!'

SKIL SAW: A portable cutting tool used to make studs too short.

PLIERS: Used to round off bolt heads. Sometimes used in the creation of blood-blisters.

BELT SANDER: An electric sanding tool commonly used to convert minor touch-up jobs into major refinishing jobs.

HACKSAW: One of a family of cutting tools built on the Ouija board principle... It transforms human energy into a crooked, unpredictable motion, and the more you attempt to influence its course, the more dismal your future becomes.

WISE-GRIPS: Generally used after pliers to completely round off bolt heads. If nothing else is available, they can also be used to transfer intense welding heat to the palm of your hand.

OXYACETYLENE TORCH: Used almost entirely for lighting various flammable objects in your shop on fire. Also handy for igniting the grease inside the wheel hub out of which you want to remove a bearing race.

TABLE SAW: A large stationary power tool commonly used to launch wood projectiles for testing wall integrity.

HYDRAULIC FLOOR JACK: Used for lowering an automobile to the ground after you have installed your new brake shoes, trapping the jack handle firmly under the bumper.

BAND SAW: A large stationary power saw primarily used by most shops to cut good aluminum sheet into smaller pieces that more easily fit into the trash can after you cut on the inside of the line instead of the outside edge.

TWO-TON ENGINE HOIST: A tool for testing the maximum tensile strength of everything you forgot to disconnect.

PHILLIPS SCREWDRIVER: Normally used to stab the vacuum seals under lids or for opening old-style paper-and-tin oil cans and splashing oil on your shirt; but can also be used, as the name implies, to strip out Phillips screw heads.

STRAIGHT SCREWDRIVER: A tool for opening paint cans. Sometimes used to convert common slotted screws into non-removable screws and butchering your palms.

PRY BAR: A tool used to crumple the metal surrounding that clip or bracket you needed to remove in order to replace a 50 cent part.

HOSE CUTTER: A tool used to make hoses too short.

HAMMER: Originally employed as a weapon of war, the hammer nowadays is used as a kind of divining rod to locate the most expensive parts adjacent the object we are trying to hit.

UTILITY KNIFE: Used to open and slice through the contents of cardboard cartons delivered to your front door; works particularly well on contents such as seats, vinyl records, liquids in plastic bottles, collector magazines, refund checks, and rubber or plastic parts. Especially useful for slicing work clothes, but only while in use.



30 years ago, our first automobile ride as husband & wife was in a Model T. Thanks Dadi!