
FLORIDA GULF COAST VCCA NEWSLETTER

December 2017
Volume 3
Issues 12

VCCA GULF COAST REGION
www.gulfcoastvcca.com

2018 CALENDAR

Calendars are now available and we were able to get a small price reduction. Price is \$12 mailed or \$10 picked up at a meeting. Now is a good time to begin thinking of great locations to take a picture of your vehicle for submission to the 2019 calendar. Priority will be given to members who have not had their vehicle in the two previous calendars.

UPDATE TO BY-LAWS

See the minutes for the update to our by-laws regarding future election of officers.

HAPPY NEW YEAR



NEWSLETTER ANNOUNCEMENT

Any items that you would like to see in the Newsletter, tech articles, photos, etc. please send to me pkroeger@tampabay.rr.com.

MEMBER INFORMATION

We have five T-shirts, two XL and three L if anyone is interested, \$12 at a meeting or \$14 mailed. Contact Patrick Kroeger.

**RENEW YOUR MEMBERSHIP BY
DECEMBER 31, 2017 (form can be
found at end of newsletter)**

NEXT MEETING DATE, TIME & LOCATION

The January meeting will be on Thursday, January 25th at 6:30 pm at Perkins Restaurant, 2626 Gulf to Bay Blvd Clearwater, FL 33759.

The following article was published in the December 2017 edition of the "Tappet Clatter" by author, Joe Hauser.

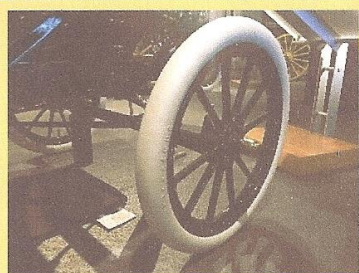
Tappet Clatter

Volume 23.4

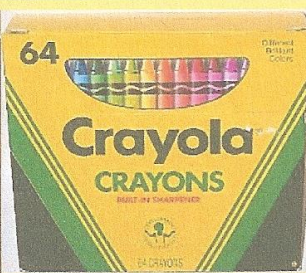
December 2017

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Fascinating Tire Facts Why Are Tires Black?



Tires are black because....

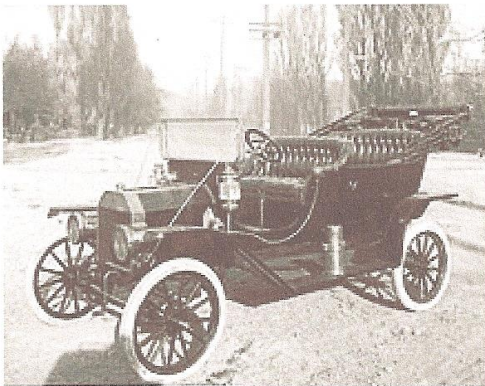


of Crayons?



Or?

One of the most often-heard questions at the Revs Institute is: "Why are the tires on the Model T white and not black?" I'm sure every Revs Volunteer has heard this question and has answered it. The simple answer is: "Because white is the color of natural rubber and until the 1910's, tire manufacturers did not know that adding carbon black to the rubber would greatly increase the tread life of the tires." So, is it the fact that tire companies added carbon black to natural rubber that make our tires black?



This sounds like a reasonable answer, but I thought I would look into this a little deeper to find out how it was discovered that carbon black increased the strength and wear life of rubber - and when it was first used. In researching this topic, I found a really fascinating story involving CRAYOLA Crayons!

Binney & Smith

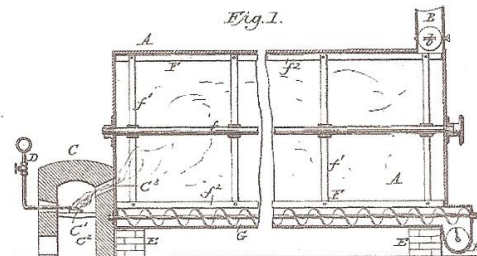
What do Crayola Crayons have to do with black car tires? Before my research, I would have said "absolutely nothing", but that turns out to be false. First, as a hint to this relationship, does anybody recognize the company name "Binney & Smith"? Well, you should, because you have probably seen that name a thousand times, especially when

you were a kid growing up, since your coveted Crayola box of 64 crayons was made by Binney & Smith. Yes, it turns out that the same Binney & Smith that invented and still makes three, yes, THREE billion Crayola crayons per year, was also responsible for the blackness in rubber tires. It is a little known fact that Binney & Smith was responsible for both products. Although it took place over one hundred years ago, the founding partners of a little company in New York are responsible for the development of both innovations.

Carbon Black

Edwin Binney and C. Harold Smith were cousins that took over a family chemical business in the late 1800's. The primary output of their business was making pigments for paints. They used red oxide pigment to make red paint (used widely for the ubiquitous red barns found in the U.S. farm land) and they used lamp black to make black paint and printing ink. In the 1880's, Edwin Binney invented a new method to make a pigment called 'Carbon Black' which resulted in a much more intense black pigment than the previously used lamp black. They obtained a patent in 1891 for an 'apparatus for the manufacture of carbon black' on a large scale, and became the largest producer of carbon black.

E. BINNEY.
APPARATUS FOR THE MANUFACTURE OF CARBON BLACK.
No. 453,140. Patented May 26, 1891.



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Why Are Tires Black? continued

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This carbon black refining process produced a fine, soot-like substance, which was extremely black – and a better pigment than any other in use at the time. It was more intensely black and stronger than any other black pigment. Binney & Smith's carbon black soon became the main ingredient in printing ink, stove and shoe polish, marking inks and black crayons.

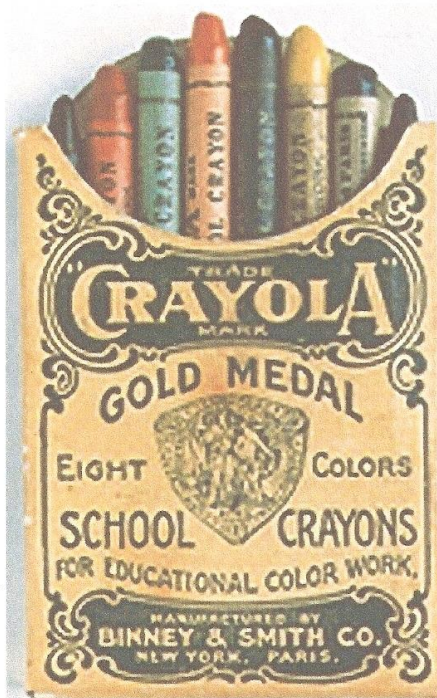
Capitalizing on their patent, Binney & Smith not only played an active role in the development and production of carbon black, but in products using carbon black – to naturally help sell more carbon black. One of their early innovations was to mix carbon black with oilfield paraffin and other waxes to produce a paper-wrapped black crayon marker for crates and barrels. It was promoted as being able to "stay on all"; because it would write on wood, metal, tile and 'all surfaces'. It was accordingly named 'Staonal', which is still being sold to this day for permanent marking on industrial products.

Crayons

So, how did a patented means of producing a killer black pigment and a black paraffin marker lead Binney & Smith to crayons?

Well, it turns out that Edwin Binney's wife was a school teacher and she was an advocate for improving kids learning tools in the classroom. At Mrs. Binney's urging, Binney & Smith had earlier developed a dustless chalk, called 'An-Du-Septic' chalk - which won a gold medal at the 1904 St. Louis World Exposition. Teachers loved An-Du-Septic, because it reduced the messiness in their classrooms. To further their educational portfolio, Binney & Smith, with that encouragement from Mrs. Binney, decided to develop colored paraffin markers, similar to 'Staonal', for use in the schoolroom. The Binney & Smith chemists, aware that most of the pigments available at the time were highly toxic, developed synthetic, nontoxic pigments to use in their markers so they would be safe for children to use.

Mrs. Binney coined the name Crayola from 'craie' (the French word for chalk or stick of color) and 'ola' (from oleaginous, a word referring to the oily characteristic of liquid petroleum before it is distilled into the paraffin used for crayons). The first box of Crayola Crayons was produced in 1903 as an eight count box. It sold for a nickel and contained the colors red, orange, yellow, green, blue, violet, brown and of course, black.



Crayons were an immediate success with school children and their teachers! They were also an immediate sales success and to deal with the huge demand for their new product, Binney and Smith split their company into two divisions: Pigment (which made carbon black), and Crayolas. They relocated the Crayola division to Easton, Pennsylvania and became the largest maker of crayons for the next 100+ years. Hallmark Cards bought Binney & Smith in 1984 for \$200 million.

Tires and Carbon Black

Edwin Binney worked actively with his chemists and other companies to develop new products that would use their carbon black. One of the many companies he worked with was the 'India Rubber, Gutta Percha and Telegraph Works' in Silvertown, England. This company produced 'Silvertown' tires and were very active in researching improvements for

tires. Mr. S.C. Mote, while working for the India Rubber company in 1904, discovered that using carbon black as a rubber reinforcement dramatically increased the wear capabilities of rubber. Meanwhile, in the U.S., B.F. Goodrich experimented with "Silvertown" tires and discovered that their tread rubber life was considerably longer than that of their older white tires. Goodrich experimented with varying amounts of carbon black mixed with the rubber and found that increasing the amount of carbon black to 25% by weight, bound the rubber particles together to a greater degree than ever known - which in turn considerably prolonged the life of the tire.

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Why Are Tires Black? continued

(Continued from page 12)

As a result of these experiments, Goodrich decided to manufacture tires with a large amount of carbon black. Since Binney & Smith was the largest producer of carbon black, Goodrich turned to them to supply the amount needed: one million pounds per year! This remarkably large order was placed in 1912. Because of the size of this order, Binney & Smith formed a separate company, the Columbian Carbon Company, to fulfil this order. Columbian Carbon was the largest producer of commercial carbon black for many years.

Another important innovation by Binney & Smith was their method to deal with the large amount of dust created in the rubber-carbon black mixing process.

Dispersing carbon black into rubber in its dry state created copious amounts of dust as opposed to the dust-free addition of carbon black to liquid bases, such as paints and inks. Transporting raw carbon black also generated large amounts of noxious dust. So, Binney & Smith technicians developed and patented a formula for transforming carbon black into pellets, which greatly reduced the dust created. Of course, other tire companies discovered that carbon black pigment greatly extended the life and durability of their tires, which led to all tires becoming black in color over the next several years.

To fully-close the circle, just look below to see what you can get when you cross Crayola Crayons with automobile tires!

- Joe Hauser, jahauser@gmail.com

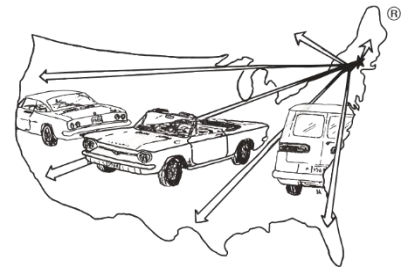


CRAYOLA COLORED TIRES! Who says all tires need to be black.

All the photographs and graphics in this article are courtesy of the author.

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(413)625-9776 www.corvair.com email: clarks@corvair.com

PARTS WANTED

1925-27 CHEVY OIL GAUGE

1925-28 CHEVY DOOR HANDLES FOR OPEN CAR

TOM BURTCH - PHONE 727-203-5179 OR EMAIL

TOMSOLDCARHOBBY@YAHOO.COM

NOTE:

Items listed will run for two issues and then deleted. Any member is free to list items and we ask that price be included. Send items to Patrick Kroeger at pkroeger@tampabay.rr.com.

Come Join Us in Beautiful Statesville, North Carolina for the
15th Annual Area 9 Nationally Judged Meet
April 26-28, 2018

Hosted by Carolina
Crossroads Touring
Region



- ◆ Three fun tours providing close encounters with planes, trains & of course automobiles!
- ◆ Host hotel: Statesville Marriot Courtyard with special VCCA pricing, call 704.768.2400.
- ◆ Come enjoy our North Carolina hospitality & experience for yourself a Great Southern Chevrolet and GMC adventure!
- ◆ Please contact Alan Banner at 704.876.8707 for more information.
- ◆ Supported by the Upstate South Carolina & Heart of Georgia Regions.



Minutes of VCCA Gulf Coast Region monthly meeting December 14, 2017**Attendance:**

- Tom & Althea Burtch
- Bob Thacker
- Dennis Denniger
- Andy & Mareen Swaney
- Bob & Jennie Burnstel
- Paul & Marilyn Green
- Howard & Emily Seymour
- Ray & Lola Baker
- Mike Rabaut
- Hal Bruce
- Pat Kroeger
- Paul Dimbath
- Al & Pat Robinson
- Gordon King

Meeting Location: Tony's Pizzeria & Restorante, 428 Cleveland St, Clearwater FL. The meeting was called to order by Patrick Kroeger at 6:21 PM. Minutes of 11/11/16 meeting were accepted as distributed

President's comments:

- Patrick welcomed members and the many spouses/significant others who joined us for the last scheduled meeting of 2017.

Treasurers Report and Membership Update:

1. The current bank balance is \$1,639.32 as of November 30, 2017.
2. By the end of the meeting we had 18 members who have paid dues for 2018.
3. Some members have still not renewed their membership for 2018. Please see the form under the membership tab on our club website (www.gulfcoastvcca.com) and instructions for submitting your dues. We look forward to continuing strong membership support for 2018.

Other Business:**Amendment to by laws:**

- The amendment which was proposed at the November 11 meeting and distributed with the November meeting minutes was introduced by Patrick Kroger and approved. This changes the terms for our officers.
- Following is the revised text of the by law Article III, Section 1 which changed (portion that changed is in bold font)

The elected officers of a Region shall be:

- Region Director/President
- Assistant Region Director/Vice President
- Secretary
- Treasurer

Said officers shall hold office for ~~one year~~ a **two year** term from the date of election or until their successors are duly elected and qualified **Region Director and Secretary will have an initial two year term and the Assistant Director and Treasurer will have an initial one year term and then go to a two year term thereafter. This will be effective for the election for end of year 2018.**

Calendars:

- 2018 Gulf Coast Region calendars were handed out to all members in attendance at the meeting who have paid their 2018 dues. If you have paid your 2018 dues but were not at the meeting your calendar will be mailed about December 20.
- If you have not yet paid your 2018 dues, please renew promptly and you will receive a free calendar featuring pictures of members' vehicles for each month.
- Additional calendars are available for purchase at \$10 each if picked up in person or \$12 each if mailed. Note – These are the same quality and style as the 2017 calendars and are from the same supplier but with a reduced price to members versus last year. Please contact Tom Burtch (727-203-5179 or tomsoldcarhobby@yahoo.com) if you are interested in purchasing additional copies of the 2018 calendar. Payment can be directly to Tom if picking up in person, or if mailing payment please send to regional treasurer Al Robinson at:

Gulf Coast VCCA Region
3212 Tanglewood Trl
Palm Harbor, FL 34685

Area 9 Meet:

Patrick noted that the 2018 Area 9 VCCA meet (which includes tours, a judged car show and other activities) is set for April 26-28 in Statesville NC. Patrick will forward more information for your consideration and calendar planning.

Newsletter Input:

Remember to send your newsletter input to Debbie Kroeger (pkroeger@tampabay.rr.com). Car stories, photos, For Sale / Wanted listings and any other old car related content is welcome.

Next Meeting:

The January meeting will be on Thursday, January 25th at 6:30 pm at Perkins Restaurant, 2626 Gulf to Bay Blvd Clearwater, FL 33759.

50/50 Draw:

The 50/50 was again well supported. Pat Robinson was the winner and donated her winnings back to the club for a net addition of \$69 to the club bank account. Thanks to Pat and all who participated.

Meeting adjourned – 7:41 PM. Dinner and visiting followed.

Minutes prepared by: Tom Burtch, Secretary - VCCA Gulf Coast Region



GULF COAST REGION MEMBERSHIP APPLICATION

Name _____

Address _____

_____ Zip Code _____

E-Mail Address _____

Telephone # _____ Cell # _____

VCCA Member # _____

Please check if you are willing to share your personal contact information with other Gulf Coast VCCA region members.

Address YES ____ NO ____

E-Mail YES ____ NO ____

Phone YES ____ NO ____

CAR INFORMATION

Year/Make _____ Model _____ Color _____

Year/Make _____ Model _____ Color _____

GULF COAST REGION DUES

\$10.00 New Member \$ _____

\$20.00 Renewal Member \$ _____

Dues not received by December 31 of the current year will result in being dropped from the roster

COMPLETE THIS FORM, MAKE CHECKS PAYABLE TO VCCA GULF COAST REGION - AND BRING TO THE NEXT SCHEDULED MEMBERSHIP MEETING. IF YOU ARE MAILING BEFORE THAT DATE, SEND TO:

**Gulf Coast VCCA Region
3212 Tanglewood Trl
Palm Harbor, FL 34685**