

# *“The Carriage Way”*



## International Carriage Clock Chapter #195 Founded 2013

The National Association of Watch and Clock Collectors

Volume 2018 No.2



**Carriage clock by Auguste Ecalé**

## President's Report



Stan Boyatzis

Welcome to our second newsletter for 2018.

It is just over a month till the 2018 NAWCC 75th Jubilee National Convention in York, Pennsylvania. Chapter 195 will be involved in the Diamond Jubilee Gala celebrations at the NAWCC museum on the 19th July. Doug Minty from Australia will give a presentation on Portable Timekeeping - The Art of the Carriage Clock. The presentation will bring to life the beauty and variety of French Carriage Clocks, how they were made, and the life and times of the top makers. This will be followed by a walk through the special Carriage Clock exhibition at the museum. Members of the Executive of Chapter 195 will be there to highlight special features of carriage clocks on display. Another feature of the National will be the table displays at the mart by the Specialty Chapters. Chapter 195 will have a table with members manning it. Please visit us when you are at the mart. We also need Chapter 195 members to help man our table when Doug, Ken or myself need to be elsewhere. If you can help, please contact Ken Hogwood on his cell phone, 386-426-4793 or email him, [kenhogwood@aol.com](mailto:kenhogwood@aol.com).

Our second face to face meeting has been booked for Saturday July 21<sup>st</sup>, at the UTZ Arena in the large double conference room near the mart room. The Executive committee would like to see and meet as many of our members as possible, so if you are attending the National, please mark the date in your diaries. The meeting will be for approximately 90 minutes including a 40-45 minute lecture on the "The Manufacture of the Carriage Clock: An outline of the History" by Doug Minty. This will highlight different aspects in the manufacture of the carriage clock. A special door prize of a French carriage will be given away to a lucky member attending the face to face meeting. If you have anything you wish to discuss about the Chapter, please email Doug Minty or myself and we will include this on the agenda. If you have a carriage clock you wish to show or require information about, please bring this along.

This month's feature article is written by Tom Wotruba (USA) on "A small and attractive carriage clock by August Ecalte of Paris". The carriage clock is of interest for both its size and decorative appeal and made by a lesser known carriage clock maker in the 19<sup>th</sup> century in France.

Ken Hogwood (USA) has written a short article on how he restored a recently purchased rare time and strike Vermont Carriage Clock. Both articles should appeal to members and both Tom and Ken welcome any questions or comments that members may have.

In this newsletter I have again included a section on carriage clocks sold at the recent R.O. Schmitt Fall 2018 Auction. I have included estimates, condition reports, and prices realized and hope members find this useful and of interest. Most prices were again below the minimum estimate.

Remember copies of previous newsletters, hints and a question page are included on our website. There are also carriage clock articles from the Bulletin and carriage clock videos from the NAWCC library. You will need to be logged in as a NAWCC member to access these.

<https://new.nawcc.org/index.php/chapter-195-international-carriage-clock>

**Please note this is a new link to the website.**

A link to the Online Galleries website is again included. This is a useful website to research retail prices of carriage clocks and what is currently for sale. The website is updated weekly.

We are happy to include other websites that may be of interest to the membership. The Executive Committee hopes you enjoy reading the Newsletter.

Members of the Executive Committee:

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Keith Potter: Vice President (Aust.)

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**A Carriage Clock of Small Size and Attractive Design by  
Auguste Ecalle of Paris**

By Thomas R. Wotruba (USA)

Carriage clocks come in many sizes and range in presentation from cases of simple design to those with ornate and attractive decoration. The subject of this article is a carriage clock of interest for both its size and decorative appeal made by a lesser known carriage clock maker in the 19<sup>th</sup> century in France. The maker, about whom we will discuss later, was Auguste Ecalle and a view of the clock is shown in Figure 1.



Figure 1. Carriage clock by Auguste Ecalle

## The Clock: Its Size and Features

The size of this clock is of interest because it is not exactly a miniature (sometimes called mignonettes) but also not one considered as typically full size.<sup>1</sup> This clock measures 4 ¼ inches tall without the handle and 5 ½ inches tall with the handle extended as shown in Figure 1. Miniatures are typically considered as five inches or less in height with handle up, while full size, with few exceptions, start at about six inches up to seven inches or more in height. Miniatures rarely contain striking and repeating mechanisms and most do not have alarms while the Ecalle in Figure 1 has all of these features. To round out the numbers, this clock measures 3 inches wide and 2 ½ inches deep and its main dial including the filigree center from which the hands emanate is 1 ¾ inches wide.

A close-up of the main dial in Figure 2 shows a clear indication of the maker's name of A. Ecalle, and address at 19, Bd de la Madeleine, along with the ½ inch wide subsidiary alarm dial. So while this clock is not as small as most miniatures, it is not as large as the typical full size carriage clock but contains some of the components found in the full size versions. Thus it is somewhat unique in size and functions



Figure 2. Close-up of the dial of the clock in Figure 1.

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<sup>1</sup> Sizes of carriage clocks are discussed in some detail in Charles Allix, *Carriage Clocks: Their History and Development*, Antique Collectors' Club, Ltd., 1974, pp. 184-186.

## The Clock Case

Figure 1 shows that this clock's case of *anglaise riche* design is elaborately decorated. It has fluted columns topped by floral forms and beaded galleries surrounding the case above and below the glass panels as well as around the panel containing the top window opening. A foliate filigree design occupies the dial center and mask. Within the enamel dial itself are gilt star half hour markers between the Roman chapters and gilt diamond five minute markers within the minute ring around the chapters. Even the alarm dial contains half-hour markers of small gilt diamonds. The blued steel hands complete the dial scene. On top, an elaborately cast handle sports a conjoined floral motif as seen in Figure 3 along with the button to activate the repeat of the strike.



Figure 3. A close up view of the top handle and repeat button, beaded galleries, and overall foliate motif.

A view of the clock from the back in Figure 4 shows the continuation of the beaded galleries, fluted columns, and overall floral motif. The clear back door, even when closed, allows a view of the striking mechanism that employs a round hammer to strike the hour and half-hour and repeat the hour on the coiled gong. This hammer is just above and outside the gong.



Figure 4. The clock from the back with the back door open.

A closer look at the inside back is shown in Figure 5. A second and slightly smaller hammer is below the first and rests just inside the top of the gong. It strikes the gong when activated by the alarm mechanism which is wound via the winding arbor at the top left corner of the back plate. To its left and parallel to the side of the back plate is the word *Reveil* which means alarm. Winding the time and strike barrels is done with a key that rotates their winding arbors positioned opposite each other within the coiled gong. The key, seen in Figure 1, contains two ends containing slightly different sized winding squares. The longer end of the key on the left contains the larger square used to wind the time and strike arbors.

Also inside the gong are two arbors for setting the clock hands. The arbor marked *Aiguilles* (hands) with the curved arrow facing left is for setting the hands while further down near the bottom of the coiled gong is an arbor marked *Aig<sup>le</sup> Reveil* with a curved arrow facing right. It is used for setting the alarm hands. The end of the key on the right in Figure 1 has the smaller square and is used for these purposes, as well as for winding the alarm mechanism.



Figure 5. The back plate of the clock with the case removed showing the various winding and setting arbors.

One final detail to note on the back plate is the number 9288 in the lower left corner. A close-up of this number is shown in Figure 6. This is likely the number assigned to this clock by the maker Ecalle. But very few clocks by Ecalle found in a serious search of auction catalogs, websites, and other sources have individual numbers, so the meaning of this number is somewhat open to question.<sup>2</sup> Many clockmakers obtained movements or other components of their clocks from other sources, and it is possible that this number was placed there by a maker of this movement if that maker were not Auguste Ecalle. In fact there is some suggestion of this



Figure 6. The number 9288 appearing on the back plate

possibility because of a set of initials found on the inside of the movement front plate. These are the initials A D as shown in Figure 7. Various sources have identified these as comprising the mark of A. Dumas, a clockmaker working at about the same time as Ecalle.<sup>3</sup> So it is conceivable that Dumas provided the movement as requested by Ecalle who then assembled the clock and signed it on the dial. Of related interest is that both A.Dumas and A. Ecalle achieved bronze medals in the Exposition of 1878 in Paris.<sup>4</sup> Both also were carriage clock makers.

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<sup>2</sup> This search uncovered twelve clocks and one watch attributed to Ecalle, but only one clock and the watch were reported as having numbers.

<sup>3</sup> Karl Kochmann, *Clock and Watch Trademark Index*, Antique Clocks Publishing, 1988, p. 194; Thomas Hodkin, *Collecting Clocks, Trademark Index and Clock Repairs*, Greendale Café, U.K., 2015, p. 161.

<sup>4</sup> *Revue Chronométrique*, vol. 10 (1878), p. 151.



Figure 7. The initials A D on the lower inside of the movement front plate.

Dumas was described as “specializing in mignonettes which he makes very well.”<sup>5</sup> It should be pointed out that there was another famous clockmaker named Dumas whose first name was Onésime and who specialized in chronometers. He died in about 1889 and his relationship with A. Dumas is not clear. In fact, the true first name of A. Dumas is seldom noted, and it was only in an auction catalog listing that a full first name was noted – that of Alfred.<sup>6</sup>

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<sup>5</sup> *Revue Chronométrique*, vol. 11 (1880), p. 89.

<sup>6</sup> Sotheby’s Amsterdam auction catalog as referenced on Ebay, September 1, 2017, for a grande sonnerie carriage clock with the case and movement stamped A D.

A look at the movement from the right side is shown in Figure 8. The large barrel towards the bottom contains the mainspring that powers the timekeeping. Opposite it on the other side but not visible is the barrel containing the mainspring for powering the strike mechanism. The smaller barrel towards the top contains the spring that powers the alarm when wound.

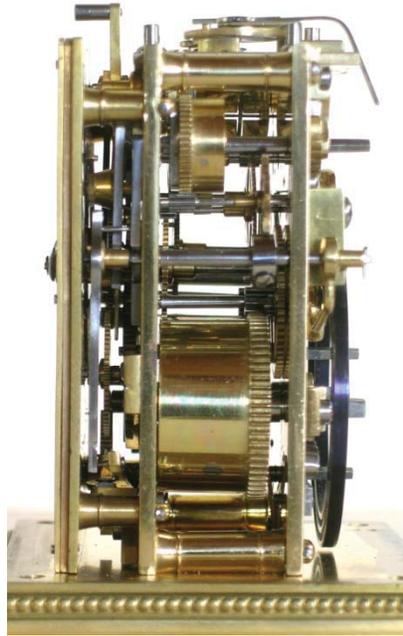


Figure 8. View of the movement from the right side.

The final view of this clock is seen in Figure 9. It provides a look from the top down of the silvered platform containing the bimetallic balance controlled by a lever escapement. It is this view that would be seen when looking through the top glass window when the case was surrounding the movement. The platform, balance, and escapement are of fine quality but do not contain any unusual technical or mechanical components. Note that the index lever is turned significantly toward the slow (retard) side. If it is left in that position, the clock will likely lose time. To get some perspective of size, note that the platform is just slightly under  $\frac{7}{8}$  inch wide.



Figure 9. The platform with balance and underlying lever escapement.

## The Clock Maker

Whether Auguste Ecalle or A. Dumas deserved credit as the maker of this clock has already been discussed. In an auction catalog listing this clock in 2004, it described the clock “with retail signature *A.E.Calle/ 19. Bd. De la Madeleine, Paris.*”<sup>7</sup> Thus the auction house did not clearly specify Ecalle or anyone else as the maker, but rather identified him as the retailer which meant he was the seller of the clock. That same description mentioned nothing about Dumas or the initials A D in the clock. The description was clearly incorrect, however, in stating the name “A.E.Calle” instead of the correct “A. Ecalle” as a close look at the dial signature in Figure 2 confirms. So what further evidence can be cited to help confirm that Ecalle was in fact a true clock maker and thus likely the person ultimately responsible for the existence of this clock?

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<sup>7</sup> Lot 19, Clocks and Barometers, 14 July 2004, Christie’s South Kensington, page 4.

One set of evidence involves the success Ecalle had in earning recognition and medals in international exhibitions. Already mentioned was his achievement in the Exposition of 1878. (Dumas had a similar achievement.) But Ecalle had other successes in major competitions and exhibitions. He was selected as an exhibitor in the *Exposition Universelle* in Paris in 1889.<sup>8</sup> A few years later he was awarded a gold medal in the *Exposition Universelle d'Anvers*, the World's Fair held in Antwerp.<sup>9</sup> And after a few more years he was honored again by being selected as one of the jurors responsible for choosing which entries in *Classe 96, Horlogerie*, of the *Exposition Universelle de Paris* of 1900 would be accepted and awarded medals. Further, his work along with that of the other jurors was presented in the exposition though their items were not eligible for awards (“*hors concours*”)<sup>10</sup> Dumas did not gain these same recognitions.

Another set of evidence is found in his active association with a professional group of clock and watch makers in Paris called the *Chambre Syndicale de l'Horlogerie de Paris*. This group was established in 1873 and limited its number of members to 21 to represent important specialties in horology. Each member was subject to re-election every three years. Those not admitted as members but who wanted to become involved and perhaps eventually gain the prestige of membership were allowed to attend meetings as *adherents* (associate members) if they were nominated by an existing member and accepted at a regular meeting of the *Chambre Syndicale*. Ecalle's name appeared as an *adherent* on the list of members in 1876 and, after attending as an associate member for a number of meetings, was voted in as a one of the 21 members on March 7, 1879.<sup>11</sup> Other horologists in the group at that time included such well-known names as Garnier, Japy, Margaine, and Rodanet. After about a year as a member, Ecalle was elected to the office of Secretary of the *Chambre Syndicale* on February 6, 1880.<sup>12</sup> It should be noted that Dumas had become an associate member of this group, according to its list of membership,

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<sup>8</sup> *Revue Chronométrique*, vol. 15 (1888-1889), p. 186.

<sup>9</sup> *Revue Chronométrique*, vol. 18 (1894-1895), p. 179.

<sup>10</sup> *Revue Chronométrique*, vol. 21 (October 1900), p. 145; *Journal Suisse d'Horlogerie*, 25<sup>th</sup> year (October 1900), p. 122.

<sup>11</sup> *Revue Chronométrique*, vol. 9 (1876-1877), P. 64; vol. 10 (1878-1879), p. 247.

<sup>12</sup> *Revue Chronométrique*, vol. 11 (1880-1881), p. 33.

sometime during 1880-1881, but there is no record of his becoming a full member.<sup>13</sup> Ecalle remained on the list of *adherents* through 1907, but Dumas was no longer included.<sup>14</sup>

One final note of interest is the working address of Auguste Ecalle which appears on this clock as 19. Bd. de la Madeleine, Paris. In the 1894 Exposition official catalogue his address was listed at 93, 94 Palais Royal, Paris, and that same address was attributed to him in his 1889 Exposition listing. Other sources have likewise stated the Palais Royal address for Ecalle, at least up to 1890.<sup>15</sup> But his address changed to that of the dial in this clock most likely sometime in the mid to late 1890s. For instance, he was listed at 19 Bd. de la Madeleine in March 1899.<sup>16</sup> So the clock in this article was made after Ecalle moved, dating it circa 1895 to 1900.

## Conclusion

Auguste Ecalle was certainly a talented and proven clockmaker who gained significant recognition among his peers. Little recognition has occurred for him, however, in many of the major books and publications documenting horological history. Perhaps with more interest among researchers of horological history, we will gain more appreciation of this clockmaker and others who worked with him. It would be interesting to pursue his association with A. Dumas, another clockmaker who has received scant attention. Perhaps this article is a start. This author would be pleased to hear comments or questions; send them to [twotruba@sdsu.edu](mailto:twotruba@sdsu.edu)

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<sup>13</sup> *Revue Chronométrique*, vol. 11 (1880-1881), p. 133.

<sup>14</sup> *Revue Chronométrique*, vol. 24 (1906-07), p. 42.

<sup>15</sup> Tardy (H.L.), *Dictionnaire des Horlogers Français*, Paris, 1973, p. 215; Kochmann, fn.3, p. 196; Brian Loomes, *Watchmakers and Clockmakers of the World*, London ( 2006), p. 238.

<sup>16</sup> *Revue Chronométrique*, vol. 20 (1898-1899), p. 235

## RESTORING A RARE VERMONT CARRIAGE CLOCK

By Ken Hogwood, FNAWCC (USA)



Restored Time and Strike  
Large Vermont Carriage Clock  
Circa 1901

I recently purchased a rare time and strike, oversized Vermont carriage clock. This clock was made after the only Vermont Clock Co. catalog was published in 1900 and before their final production in 1902.

This giant carriage clock is one of only two time and strike carriage clocks invented or inspired by Joseph Henry Eastman (1843-1931). The first time and strike carriage clock was the Boston Clock company's model "Cypress", which was a "tandem wind" carriage clock patented and first produced in 1896.

The 1900 Vermont Clock Company catalog offered only two, time only, carriage clock models, #1 and #2. The movements were virtually the same and there were only slight differences in the cases.



The Vermont Clock Company was the 3<sup>rd</sup> clock manufacturing company, and the fifth named company associated with Joseph H. Eastman. There were 7 clock companies and 9 clock company names associated with Joseph H. Eastman over his 44 years of manufacturing clocks.

His career in clockmaking began in 1880 at the age of 37 as a partner in the Harvard Clock Company in Boston, MA, and ended with his retirement in 1924 at the age of 81, when he closed his last company, Eastman Clock Company, Inc., located at #9 Bosworth Ave., Boston, MA.

You can read the life story “Joseph Henry Eastman – The Watchmaker, The Clockmaker, The man”, a biography written by me and published in the NAWCC Bulletin #406, November-December 2013.

## **A BRIEF HISTORY OF THE VERMONT CLOCK COMPANY**

It is interesting to note that Nahum Busby and Joseph Henry Eastman had previously formed a clock company in Fair Haven, VT as reported in the “Jewelers Circular & Horological Review” in their December 16, 1896 publication. With other investors they incorporated the Busby Bell and Tool Company of Vermont on April 28, 1896. However, they used the trade name Fair Haven Manufacturing Company, which was never actually incorporated in the state of Vermont. We do know that the Fair Haven Manufacturing Company did exist as we have clocks marked “Fair Haven Manufacturing Company”. We also know Eastman continued as the Production Manager of the Vermont Clock Company.

Documents recorded in Montpelier, VT, the state capital, show the official namechange from The Busby Bell & Tool Co. to the Vermont Clock Company occurred February 15, 1898. The name was changed by a vote of the stockholders and did not include the names of Nahum Busby or Joseph Eastman. Soon after the name change Eastman was replaced as Superintendent by Henry W. Pidgeon, a former partner in the first Eastman Clock Co. which operated in Chelsea, MA.

When the board removed Busby as General Manager, he filed a law suit for \$50,000.00 against the board of the Busby Bell & Tool Company, Inc. because they refused to pay him for the machinery and tooling he brought from his Boston operation.

The Vermont Clock Company leased their property in Fair Haven. The lease held by the Vermont Clock Company was reassigned to Kilbourne Manufacturing Co., and the assets and name Vermont Clock Company were sold to Kilbourne Manufacturing Co. as well. Kilbourne began business under the name Kilbourne Manufacturing Co. on May 18, 1901 at the Vermont Clock Company factory in Fair Haven.

This company was moderately successful and produced approximately 3,000 clocks between 1896 and 1902. All production ended on August 21, 1902. They published their only catalog in 1900 which offered 4 crystal case regulators, 2 carriage clocks, a ship's bell clock, several wall and shelf clocks, and even a 15 ft. tall street clock. It has been reported that Vermont Clock Company clocks were available for sale as late as 1907, although all manufacturing ceased in 1902.

The company apparently used both names, Vermont Clock Company and Kilbourne Manufacturing Co. to market their production of clocks until the company ceased making clocks in Fair Haven in 1902. The building was leased to other tenants in 1903.

## **A PUZZLING ENGRAVING**

My large Vermont carriage clock has a puzzling engraving on the top "Feb'y 10-23-1905".

A friend, Danielle Roberts, a volunteer with the Fair Haven Historical Society has searched the newspaper archives in Vermont for any event which matches this date and has found no possible explanation. Most likely this clock was sold in another state and the engraving commemorates some event that happened there. If you have any ideas about what these dates represent, I would like to hear from you.

## CLOCK CONDITION

As Found:

1. Movement – not working properly.

Solution: Disassemble. Remove cracked spring barrel. Re-set sprung spring barrel clicks  
Re-leather strike hammer. Clean, de-rust and re-blue all screws. Remake support  
post for dial mounting plate. Replace cracked spring barrel. Re-nickel back plate  
and escapement sub-plate. Lubricate and re-assemble.

2. Escapement – in need of cleaning and repair.

Solution: Remove and disassemble. Clean, repair, polish and replace hairspring.  
Recalibrate hairspring. Lubricate and reassemble.

3. Sub-plate and back-plate – nickel plating badly worn.

Solution: Re-nickel both plates.

4. Case – Badly tarnished. All gold worn off. Broken side panel glasses.

Solution: Disassemble. Clean and polish. Apply 2 coats of clear lacquer. Replace broken  
glass both side panels. Reassemble case.

5. Dial – Porcelain dial damaged beyond repair.

Solution: Replaced with new dial duplicated by Bob Crowder's company in China.



Before Restoration



Original Dial

Replacement Dial



After restoration



Cracked Spring Barrel -  
Missing Dial Mount Post



Spring Barrels Removed  
For replacement



New Dial Plate Post  
Made & Replaced



Worn Back Plate  
Before Re-nickeling



Before Escapement is  
Removed & Repaired.  
& Sub-plate Re-nickeled.



After Escapement  
Removed, Repaired  
& Replaced. Sub-plate  
& back plate re-nickeled



Hairspring Has Been  
Replaced, Calibrated  
& Lubricated.



Case Has Been  
Refinished.  
Glass Replaced

I find great pleasure in seeing the final restoration of one of my carriage clocks which I have purchased that was in great need of restoration. I feel if I had not purchased this clock it probably would have never been restored to near original condition. I have a complete collection of the known carriage clocks produced by companies associated with Joseph Henry Eastman, and find it very satisfying to add this oversized, time & strike Vermont carriage clock to my collection

### **SPECIAL THANKS**

This restoration would not have been possible without the skills of others.

Pete Schreiner, my very good friend in Port Orange, FL., is responsible for the re-nickeling of the plates, replacing the hairspring and repairing the escapement. Also he machined and threaded the dial plate post, which was necessary to remount the dial, and helped in other areas of repairing the movement. Without Pete's assistance, I would be hard pressed to restore my carriage clocks. Pete, thank you very much for your help. You have helped save another rare carriage clock from an unknown fate.

This is the second time I have used Bob Crowder's company to duplicate badly cracked and worn porcelain dials. I find the work of his Chinese factory to be very good and an exact replica of the original – minus the defects, of course.

The spring barrel replacement was custom machine work done by Mike Leobbaka of Saugerties, NY, and I found his work to be of very good quality and reasonably priced. He also advertises in our NAWCC Mart.

**Carriage Clocks sold at the recent R.O. Schmitt Spring 2018 Auction on  
Saturday/Sunday 19th and 20th May.**

**This is reproduced from the R.O.Schmitt Spring 2018 Catalog.**

**Lot#: 651**

**DESCRIPTION:** France, an unusual, champlevé enamel decorated, pillars style hour repeating carriage clock, the gilt case with outset corners, turned feet and columns, the base, frieze, and top with scrolling foliate designs, and decorated with polychrome enamel colors on a turquoise ground, the front of base with engraved presentation "Sir Donald Currie, K.C.M.G., M.P. In Remembrance of a Pleasant Cruise in the Pembroke Castle, Sepr. 1883, from J.C.", Arabic numeral champlevé enamel dial with fine engraving and matching the exterior colors, blued steel distaff hands, two train movement with lever platform, striking the hours and half hour in passing, and repeating the last hour on demand

**CONDITION:** dirty, with losses to gilding and minor staining, portions of case with a layer of gold paint, glasses good, all enamel good, movement dirty, running, striking, and repeating correctly, hands not synchronized with striking, some hammer lifting pins bent, occasionally blocking hammer, gong with spots of oxide. Sir Donald Currie (1825- 1909) was a 19th century shipping magnate, first working for Cunard Shipping Co., and in 1862 founding the Castle Shipping Co. In his later life, he gave generously to education and other worthy causes. The Pembroke Castle 2 was finished in July of 1883, and spent part of that year carrying dignitaries around Britain, and also to Copenhagen, where the Tsar and other royals were received on board. The best known of these voyages was one taken to Sweden, Denmark, and Norway in September, 1883, on which Currie hosted and entertained 29 members of various European royal families, Prime Minister Gladstone, and Alfred Lord Tennyson. It appears that this clock was gifted following this voyage. Further research may reveal the identity of J.C.

**ESTIMATE:** \$5000 - \$6000

**PRICE SOLD:** \$3500

**CIRCA:** 1883

**DIMENSIONS:** 7.5in x 4in x 3.5in



**Lot#: 652**

**DESCRIPTION:** France, attributed to Gaye, Lamaille, & Co., a fine, Aesthetic Movement, porcelain paneled hour repeating carriage clock, the gilt, Cannelee variant case with folding handle, the sides set with panels depicting a potted flower in blue, on a cream ground, also with floral ornament, and with blue, wheatear border, the Arabic numeral dial with ornament matching the side panels, blued steel spade and whip hands, two train, 8 day movement with lever platform, striking the hour and half hour in passing, and repeating the last hour on demand, the back plate marked "Patent Surety Roller", and 1813

**CONDITION:** case with minor marks and spotting, minor losses to gilding, front glass replaced, rear glass with glue residue, panels good, dial good, hands replaced, movement running, striking, and repeating correctly. The Patent Surety Roller mark refers to an extra wheel, geared to the minute wheel, having a disc with crescent cutout which blocks the star wheel and prevents the hour from advancing accidentally due to a shock. The crescent lines up with the star wheel at the hour, allowing it to advance without obstruction. The mechanism was invented and patented by Moritz Immisch, and the rights purchased by Gaye, Lamaille & Co. in 1880. This clock was sold at Christies, London, on Feb. 20, 2008, lot 33.

**ESTIMATE:** \$3500 - \$4500

**PRICE SOLD:** \$2700

**CIRCA:** 1885

**DIMENSIONS:** 7.125in x 4in x 3.5in



**Lot#: 653**

**DESCRIPTION:** Switzerland, an exceptional miniature carriage clock with enameled panels, the engraved, gilt case nearly 3/4 inches smaller than a mignonette No.1, the sides and back with polychrome enamel scenes of disporting putti, the Roman numeral enamel dial with mask matching the exterior panels, each representing one of the four seasons, the base with engraved titles, "Hiver, Automne, Printemps, Ete", 30 hour, timepiece movement with cylinder escapement, and fabric covered travel case with key .

**CONDITION:** case dirty, minor tarnish and loss to gilding, front glass with minor chip at upper left, movement plates with minor scratches, running, box with staining and wear.

**ESTIMATE:** \$2500 - \$3000

**PRICE SOLD:** \$2000



**Lot#: 654**

**DESCRIPTION:** France, a giant carriage timepiece of 60 day duration, gilt Corniche case with beveled glasses, Arabic numeral white enamel dial with matte, silvered mask, blued steel Breguet style hands, brass, long duration movement with large lever platform

**CONDITION:** case regilded, dirty, minor scratches, front glass with loss at lower left, dial, mask, and hands very good, movement polished and lacquered, running.

**ESTIMATE:** \$3000 - \$4000

**PRICE SOLD:** \$2100



**Lot#: 655**

**DESCRIPTION:** France, a silvered, Caryatides cased hour repeating carriage clock, the case with foliate ornamented scroll feet, the corners with floral drops supporting female figures, and handle with floral and foliate ornament, roman numeral silvered dial, blued steel spade hands, 8 day, two train movement with lever platform, striking the hours and half hour in passing, and repeating the last hour on demand

**CONDITION:** case resilvered, dial resilvered, glasses good, movement dirty, and with tarnish and staining, running and striking correctly, repeat occasionally reports the wrong hour, gong resting on a screw and a winding arbor, will need adjustment, would benefit from service.

**ESTIMATE:** \$2000 - \$3000

**PRICE SOLD:** \$1700

**CIRCA:** 1890

**DIMENSIONS:** 7.25in x 4in x 3.5in



**Lot#: 656**

**DESCRIPTION:** France, a gilt and silvered, Anglaise Riche cased hour repeating carriage clock, the architectural case with stepped, molded base and cornice, the corners with Corinthian columns, solid back with shutter for winding and setting apertures, and top with carrying handle, roman numeral silvered dial signed "Dent London", blued steel spade and poker hands, 8 day, two train movement with lever platform, striking the hours and half hour in passing, and repeating the last hour on demand.

**CONDITION:** case polished and with polish residue, lacquer with brush marks, silvered surfaces with tarnish, handle with loose joints, left column with minor dings, front glass with chip, upper right, dial restored, hands with oxide, movement oily, dirty, regulator replaced, running, striking, and repeating correctly.

**ESTIMATE:** \$1500 - \$1800

**PRICE SOLD:** \$1300

**CIRCA:** 1890

**DIMENSIONS:** 8in x 4in x 3.5in



**Lot#: 657**

**DESCRIPTION:** France, an unusual, five minute repeating carriage clock with single gong, gilt Corniche case with bevelled glasses, Roman numeral white enamel dial, blued steel distaff hands, 8 day, time and strike movement with lever platform, counting the hours in passing, repeating the last hour when activated by top pusher, and repeating the last five minute interval through the pusher at case back

**CONDITION:** case dirty and with minor staining, front glass with chip at upper right, right glass with chip at upper left, rear pusher replaced, movement with minor scratches, gong with spots of oxide, 5 minute rack tail with dings and scratches, running, striking correctly, five minute repeat snail needs adjustment, balance rim bent, would benefit from service

**ESTIMATE:** \$1500 - \$1800

**PRICE SOLD:** \$1300

**CIRCA:** 1890

**DIMENSIONS:** 7in x 3.75in x 3.25in



**Lot#: 658**

**DESCRIPTION:** France, for Bailey, Banks, and Biddle, Philadelphia, a gilt, Cannelee variant cased hour repeating carriage clock, the glazed case with molded base and cornice, top with carrying handle, Roman numeral white enamel dial, blued steel spade hands, 8 day, two train movement with lever platform, striking the hours and half hour in passing, and repeating the last hour on demand

**CONDITION:** case dirty, with minor spotting and losses to gilding, left side glass with minor chip, lower left, dial with minor scratches, minute hand replaced, movement with staining and tarnish, running, striking, and repeating correctly, would benefit greatly from service.

**ESTIMATE:** \$1500 - \$1800

**PRICE SOLD:** \$1300

**CIRCA:** 1880

**DIMENSIONS:** 7in x 3.75in x 3.25in



**Lot#: 659**

**DESCRIPTION:** Japy Freres & Cie., an engraved, Corniche cased, hour repeating carriage clock with sweep seconds, the case replete with engraved floral and foliate ornament, Roman numeral white enamel dial with subsidiary, Arabic numeral alarm chapter, three train brass movement with lever platform ornamented with Asian market style engraving, striking the hour and half hour in passing, and repeating the last hour on demand

**CONDITION:** case and movement polished, top aggressively polished, aperture for top glass poorly cut, front glass with minor chip at lower left, right side glass with chips at corners, left side glass with chips at lower left, top glass with chips at left, dial with hairlines, upper right, running, striking and repeating correctly.

**ESTIMATE:** \$1400 - \$1800

**PRICE SOLD:** \$1200

**CIRCA:** 1870

**DIMENSIONS:** 7in x 3.625in x 3.125



**Lot#: 660**

**DESCRIPTION:** France, a highly ornamental and well executed hour repeating carriage clock, the gilt, Anglaise Riche variant case with stepped base below a fluted band and egg and dart molded surface canted corners ornamented with acanthus scroll bases and E scroll tops, supporting an entablature echoing the base, with fluted band, stepped cornice, and egg and dart cap, the top with folding handle decorated with acanthus and central scallop shell, all decorative ornament with fine chasing, Arabic numeral silvered dial with blued steel distaff hands, and gilt mat with applied, gilt floral ornaments, also finely chased, 8 day, two train movement with lever platform and cut bimetallic balance, striking the hour and half hour in passing, and repeating the last hour on demand .

**CONDITION:** case top with minor spotting, gilding very good, glasses good, ornament at upper right of mask with bend, dial with minor touch ups, hands with spots of oxide, movement running, striking, and repeating correctly.

**ESTIMATE:** \$1300 - \$1700

**PRICE SOLD:** \$2800

**CIRCA:** 1900

**DIMENSIONS:** 8in x 4.5in x 3.75i



**Lot#: 661**

**DESCRIPTION:** France, for Joseph Hartmann, Berlin, a giant carriage clock, gilt Anglaise Riche variant case with beveled glasses, Arabic numeral white enamel dial with gilt mask, blued steel hands, 8 day, time and strike movement with lever platform, cut bimetallic balance with gold timing screws, and counting the hours on a gong

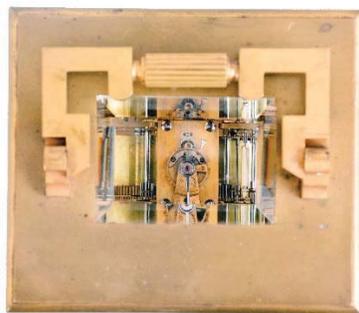
**CONDITION:** case with losses to gilding, dirty, top with minor scratches, ding, and spotting, left glass with losses at lower right, dial and hands good, movement dirty, oily, running and striking correctly.

**ESTIMATE:** \$1200 - \$1500

**PRICE SOLD:** \$650

**CIRCA:** 1900

**DIMENSIONS:** 10.25in x 5.625in x 4.875in



**Lot#: 662**

**DESCRIPTION:** France, for George C. Shreve & Co., San Francisco, a gilt and silvered, hour repeating carriage clock, the architectural case with stepped, molded base and cornice, five bevelled glasses, roman numeral gilt dial with Arabic alarm chapter, blued steel distaff hands, 8 day, three train movement with lever platform, striking the hour and half hour in passing, and repeating the last hour on demand

**CONDITION:** back of base with fine scratches, minor spotting and dings, silvered surfaces with tarnish, glasses good, dial with minor discoloration, signature faded, hands good, movement striking and repeating correctly, alarm functional, good balance staff, ticks briefly, needs service.

**ESTIMATE:** \$800 - \$1200

**PRICE SOLD:** \$600

**CIRCA:** 1890

**DIMENSIONS:** 7.25in x 4.25in x 3.75in



**Lot#: 663**

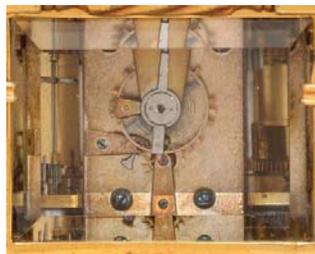
**DESCRIPTION:** France, a good hour repeating, Anglaise Riche variant carriage clock with alarm, the gilt case with molded base and fluted band supporting twisted columns with Corinthian capitals, the entablature with fluted band, and stepped, molded cornice, case top with folding handle, roman numeral white enamel dial, blued steel distaff hands, three train movement with lever platform, sounding the hour and half hour in passing, and repeating the last hour on demand

**CONDITION:** case with minor spotting, retains an old layer of lacquer which is dirty and failing, minor losses to gilding, left side glass with minor chips at upper left, dial with hairline at alarm chapter and touch ups to numerals, hands good, movement oily, dirty, running, striking, and repeating correctly, alarm functional, would benefit from cleaning, gong with spots of oxide.

**ESTIMATE:** \$700 - \$900

**PRICE SOLD:** \$650

**DIMENSIONS:** 8in x 4.125in x 3.5in



**Lot#: 664**

**DESCRIPTION:** France for Bailey, Banks & Biddle, Philadelphia, Penn., carriage clock, 8 day, time and petite sonnerie with alarm, lever escapement, repeat button sounding the last hour and quarter, all in a gilt brass case with bevelled front, side, back, and top glasses, white enamel dials.

**CONDITION:** brass case has a dark patina with lost gilding. Dial has 5 fine hairlines radiating out from center. Bevelled glasses are in very good condition. The movement ticks, strikes, and repeats.

**ESTIMATE:** \$400 - \$600

**PRICE SOLD:** \$550

**CIRCA:** 1900

**DIMENSIONS:** 7in x 4in x 3.5in



**Lot#: 665**

**DESCRIPTION:** France, a mignonette No.1 carriage clock, glazed, gilt Corniche case, roman numeral, polychrome enamel dial depicting a young couple in a landscape, fancy gilt hands, 8 day, timepiece movement with lever platform, the back plate marked "A.B. Depose", and inside of front plate with letter B within a circle

**CONDITION:** case regilded, glasses good, dial with hairlines, hands mismatched, platform replaced, movement clean and running.

**ESTIMATE:** \$400 - \$500

**PRICE SOLD:** \$275



**Lot#: 666**

**DESCRIPTION:** Couaillet Freres, France for Bailey, Banks & Biddle, Philadelphia, carriage clock, 8 day, time and strike, spring-driven movement with lever escapement in a polished brass Anglaise case with five bevelled glasses, white porcelain dial with Arabic numerals and blued steel Breguet hands, all in original leather carrying case.

**CONDITION:** brass case is in very good condition Retailer name is a bit faded on the right side. Dial is otherwise in very good condition Bevelled glasses are fine. Hand are original and in good condition. Movement ticks and strikes. Surface of leather case is worn and missing some pieces.

**ESTIMATE:** \$300 - \$500

**PRICE SOLD:** \$170

**CIRCA:** 1890

**DIMENSIONS:** 7in x 4in x 3.5in



**Lot#: 667**

**DESCRIPTION:** France, a petite sonnerie striking carriage clock with grand sonnerie repeating, polished brass Corniche case with bevelled glasses, the top engraved "J. K. Connally, Oct. 7, 1897", Roman numeral white enamel dial with gilt mask and subsidiary alarm dial, blued steel hands, 8 day, time, strike and alarm movement with lever platform, sounding the quarters in passing, and repeating the last hour and quarter on demand

**CONDITION:** case polished and lacquered, lacquer with dust and orange peel, carrying handle mounted backwards, rear glass with minor chip at lower left corner, alarm dial restored hands painted black, alarm hand replaced, movement running, steel with minor spots of oxide and marks from careless handling, platform lacking plating, endstone setting cracked, quarters sound correctly, but without dead blow, repeating sometimes strikes correctly, but without dead blow, quarters sound in reverse (low/high), strikes quarters instead of hours at hour, alarm functional, needs service and repairs.

**ESTIMATE:** \$300 - \$400

**PRICE SOLD:** \$300

**CIRCA:** 1900

**DIMENSIONS:** 6.75in x 3.375in x 3.125in



**Lot#: 668**

**DESCRIPTION:** France, carriage clock, 8 day, time and strike counting the hours on a gong, spring driven movement with lever platform in an Anglaise case with fluted pilasters and and set with beveled glasses, gilt mask reading in part "Mappin & Webb Ltd. / 172 Regent St." surrounding a silvered dial with Arabic numerals, blued steel hands.

**CONDITION:** polished brass case is bright and in very good condition. Two of the beveled glasses have very small chips in the corners. The upper portion of the silvered dial is very dark where the steel hands rested for a long time. Unsigned movement ticks and strikes.

**ESTIMATE:** \$300 - \$500

**PRICE SOLD:** \$190

**CIRCA:** 1900

**DIMENSIONS:** 7.5in x 4in x 3.5in



**Lot#: 669**

**DESCRIPTION:** France, carriage clock, 8 day, time and strike counting the hours on a gong, spring driven movement with lever platform in an Anglaise case with stepped and molded base, edge beading and glazed on five sides with beveled glass, white enamel dial with Roman numerals for the hours and Arabic numerals for the minutes, blued steel distaff style hands.

**CONDITION:** brass case has a bright polish with some small dents on the top of the back side. Three of the five beveled glasses have small, visible chips at the corners. The dial and hands are very good. The back plate of the unsigned movement is covered in a film of oil and could use cleaning. Ticks briskly and strikes.

**ESTIMATE:** \$300 - \$500

**PRICE SOLD:** \$190

**CIRCA:** 1900

**DIMENSIONS:** 7.5in x 4in x 3.5inch



**Lot#: 670**

**DESCRIPTION:** France, for the German market, hour repeating carriage clock with alarm, Anglaise variant case with beveled glasses, Roman numeral black enamel dial with integral white cartouches, gilt mask, and subsidiary alarm dial, gilt distaff hands, 8 day, time, strike, and alarm movement with lever platform and cut, bimetallic balance, sounding the hour and half hour in passing, and repeating the last hour on demand

**CONDITION:** case dirty, lacking gilding and with tarnish, rear glass with minor chip at upper left, dial with minor hairline, and some minor losses and touch ups, movement dirty, oily, platform with tarnish, staff good, fully wound, not running, striking and repeating functional but incorrect, alarm functional, needs service.

**ESTIMATE:** \$300 - \$400

**PRICE SOLD:** \$425

**CIRCA:** 1890

**DIMENSIONS:** 7.5in x 4in x 3.5i



**Lot#: 671**

**DESCRIPTION:** France, carriage clock, 8 day, time and strike, spring-driven movement with a lever escapement in a polished brass Anglaise case with five beveled glasses, white enamel dial, and blued steel hands, all in a leather carrying case.

**CONDITION:** brass case is tarnished. Glasses, hands and dial are in very good condition. Leather case is worn and missing its strap and the panel that covers the glass window. Platform is likely a replacement. The movement, stamped "FRANCE", ticks and strikes.

**ESTIMATE:** \$250 - \$500

**PRICE SOLD:** \$190

**CIRCA:** 1890

**DIMENSIONS:** 7in x 3.75in x 3in



## Do you own a carriage clock?

If so, you may have questions about your clock.

Such as - - - -

1. When was it made and by whom if it is not signed by a maker.

Many carriage clocks are marked by retailers, such as “Tiffany”. Many times the maker is not identified. However the maker can often be identified by the construction style and other tell-tell signs found on the movement.

2. Should I clean the case, or not?
3. And the greatest question of all, what is its value.

This is the hardest question to answer because of the many variables, such as condition of movement and case, the name and standing of the clockmaker, & the quality and rarity of the clock. We are not licensed appraisers. We can only advise you where to look for comparable clocks so you can make your own "best guess" as to the actual value, always remembering the oldest approach to a value is "Willing Buyer, Willing Seller".

Members of our chapter have many years of experience collecting, researching and restoring carriage clocks. Many are willing to help you answer some of these questions.

This free service is for NAWCC members only.

Email questions and pictures of your carriage clock (one clock at a time, please) to:

**Ken Hogwood:** (USA) [kenhogwood@aol.com](mailto:kenhogwood@aol.com)

**Doug Minty:** (Australia) [dminty@optusnet.com.au](mailto:dminty@optusnet.com.au)

### **Link to the Online Galleries website:**

[www.onlinegalleries.com/art-and-antiques/antique-clocks/carriage-clocks](http://www.onlinegalleries.com/art-and-antiques/antique-clocks/carriage-clocks)

### **Link to the 1stdibs website:**

<https://www.1stdibs.com/furniture/more-furniture-collectibles/clocks/?q=carriage+clock>

### **Link to the Invaluable website:**

<http://www.invaluable.com/catalog/searchLots.cfm?scp=u&wa=carriage%20clock&shw=50&houseletter=A&ord=0&ad=ASC&img=1&ns=1&olf=1&row=51>