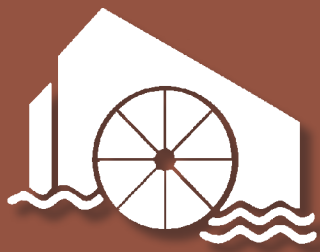




Smithsonian Affiliate Spring 2015 - Vol. 44 No. 1



Hagley

MAGAZINE

SAVE THE DATE

Science Saturday
February 28

Phyllis Lambert
March 5

"Unraveling Stories"
March 20



"Unraveling Stories"



From The Executive Director

*Executive Director
David Cole*

*Cover: Hooked rug
designed and created by
Mrs. Edward W. Cooch,
Jr., in the late 1940s.*

*Back: A winter view of the
allée in the E. I. du Pont
Restored Garden.*

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“A picture is worth a thousand words.” This oft-repeated expression has become clichéd, but it captures an important truth: great works of art and artifacts merit our attention, not only because they may be visually compelling but also because they have tales to tell—many tales. Objects exhibited in museums can reveal as much, or more, about the worlds in which they were created, and the people who made and used them, than a shelf full of textbooks.

I was reminded of this insight the first time I laid eyes upon the subject of the Hagley Museum’s next exhibition, a remarkable hooked rug created by Mrs. Edward W. Cooch, Jr. As we explain in the article that follows, “Unraveling Stories,” this is no ordinary carpet. It is an expertly designed, rich amalgam of stylized natural motifs, iconic sites on the Brandywine, and personal reminiscences—a jewel-like tableau whose elements are at once diverting and arresting. As we scan its many features, it

frustrates our attempts to read it quickly; instead, we are encouraged to linger over its surface, asking questions and probing its multiple meanings.

And therein lies our purpose in building an exhibition around this single,

**This is no ordinary carpet...
It is a jewel-like tableau
whose elements are at once
diverting and arresting.**

and singular, object. Mrs. Cooch’s rug is beautiful, but its aesthetic appeal is just the appetizer. If we take time, and give it our full attention, it will repay us with fascinating stories about the artist, her craft, and the world of her inspiration. This rug is quite a puzzle, and on March 20 you are invited to help us “unravel” its many mysteries. I look forward to seeing you at the show!

Hagley Magazine is published quarterly by Hagley Museum and Library, a 501(c)(3) nonprofit organization. Address: P. O. Box 3630, Wilmington, DE 19807-0630 (302) 658-2400 • www.hagley.org

*Hagley Magazine welcomes your feedback.
Contact us at www.hagley.org/contact.*

“Unraveling Stories” Opens

In March, Hagley will launch an experimental exhibition that will invite guests to deeply explore a series of stories through the close examination of one remarkable object. “Unraveling Stories” will feature the largest hooked rug in the museum’s collection, on display to the public for the first time.

Single-object exhibitions encourage museum visitors to have an in-depth experience. Rather than exploring a complex historical story through a series of artifacts, images, and text, the single-object exhibition teaches guests how to “read” an object the way that historians do, from a variety of perspectives. Every object in our own lives represents a variety of stories about us and how we live our lives. The same is true of all the objects in a museum collection. In this exhibition, guests will have the opportunity to slow down, focus, see, and deeply understand many of the stories this one extraordinary object has to tell.

The hooked rug that will be featured in “Unraveling Stories” was designed and created in the late 1940s by Mrs. Edward W. Cooch, Jr., who passed away in January 2015. This magnificent 10’ x 12’ rug, made for her home, tells her story through the history of the du Pont family and the establishment of the company here at Hagley. The exhibition will share four stories through the rug: the story of the artistic tradition from which it came; the narrative story depicted in its imagery; the

scientific story behind the experimental materials used in its making; and the personal story of the artist who made it.

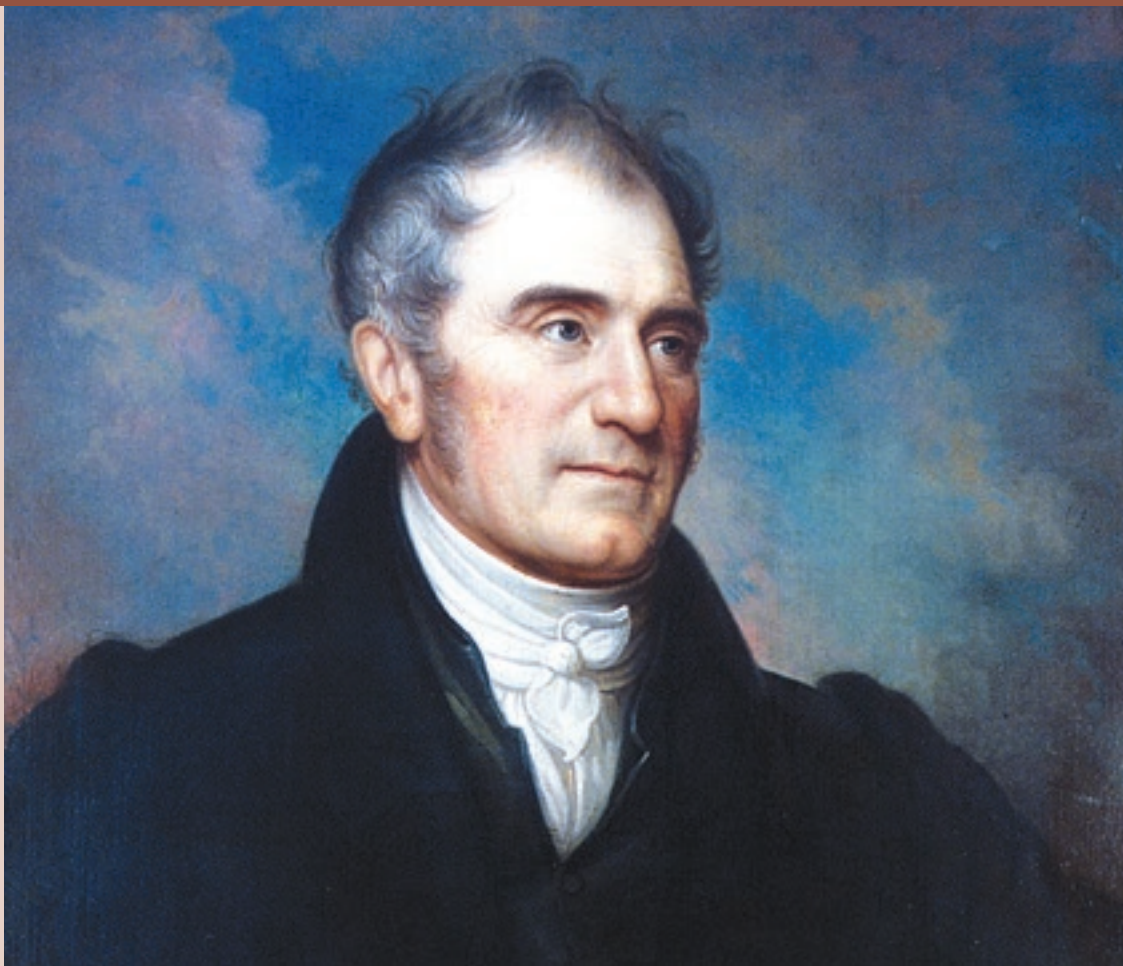


We invite you to visit the exhibition, slow down, and dig deeply into one object as a new way of understanding history and connecting it to your own lives. We also invite you to let us know what you think about this experimental approach.

“Unraveling Stories” opens in the Visitor Center on March 20 and closes on July 26. It is included with admission and is free for members.

Members are invited for a gallery talk with Curator of Collections and Exhibits Debra Hughes on Sunday, April 19, at 1 p.m. and 2 p.m. Light refreshments will be provided. Invitations will be mailed to members in mid-March.

Detail from the hooked rug shows the barn and Conestoga wagon.



E. I. du Pont, Innovator

Right: E. I. du Pont

*Top: Golden Pheasants
gunpowder label*

*Bottom: DuPont
Buckeye, Aesculus
(X) dupontii, growing
between Eleutherian
Mills and the E. I du Pont
Restored Garden*

Hagley: A place where innovation inspires and imaginations run wild. This vision for Hagley Museum’s future is firmly rooted in its past. E. I. du Pont was a contemplative thinker, a risk taker, and he had a dogged commitment to bettering himself, his family, his business, and his community.

These qualities defined him as an innovator in his time and in ours. Du Pont is well known as the founder of the DuPont Company, and many know that he was a scientist who learned the art and science of making black powder from one of the greatest chemists of the eighteenth century, Antoine Lavoisier. But here common knowledge of him tends to dwindle.

Most don’t know that he was also a botanist who experimented with new

and hybrid plant species to maximize yield but also to enable introduced species to flourish in America. He broke new ground in the Industrial Revolution in his labor policies and relationships with his workers, pensions, health care, and dependent and disability support.

He took Lavoisier’s work and pushed it further to make the best, most dependable gunpowder of his time. Du Pont was indeed an innovator. His approach to life and work are at the heart of what Hagley hopes to empower our guests to do—be innovators in their own lives. Each of us has the ability to learn from our mistakes, to try new things, to be creative, and to reflect on what we learn.



Residence Restoration Begins

This spring Hagley will be taking significant steps to preserve and protect the du Pont family home with projects that will ensure a sound future for the home and its contents. Beginning March 2, the residence will close to the public for major restoration work. In preparation, all of the furnishings, artwork, and personal mementos of the family will be safely tucked away or removed.

During the restoration, guided guest visits to the residence complex will continue. The tours will spend more time in the garden, introduce guests to the displays in the barn, and will discuss the restoration in process.

The largest part of the project is the replacement of the heating and cooling system. Because the home was

not originally built to have central heat and air, and because the walls are constructed of thick, sturdy Brandywine blue rock, creating an HVAC system for the house is not easy. Every room will be affected—both during the restoration and after its completion. Another significant part is the replacement and repair of water damaged wooden windows. Almost every window will get some attention. In addition, repairs will be made to the roof, the exterior stucco, and other exterior wooden elements. Inside the house, wood trim will be repaired, water damage to plaster and walls repaired, elements painted, and the wallpaper in the front room restored. The work is estimated to take four to six months.

Eleutherian Mills



Winter Wonderland

Birkenhead Mills

Be Our Guest!

Hagley admission is free from January 17 through March 13, excluding special events.

Open 10 a.m. to 4 p.m.

Hagley Museum is inviting the community to “Be Our Guest” with free admission through March 13 (excluding special events). Hagley members already enjoy this privilege—however, free admission this winter gives you the added benefit of bringing as many friends as you like, as many times as you like, so that you can introduce them to all that you love about Hagley. It also enables your friends to come on their own and get to know the place that means so much to you. Help us spread the word—Hagley is free this winter!

There’s another bonus for visiting Hagley during this time of year—winter weekday tours. For most of the year, Hagley is open for visitors to explore on their own, discovering

displays, demonstrations, exhibitions and the stories we have to tell. Through March 13, on weekdays, guests are treated to an in-depth guided tour that includes all the places that make Hagley unique. Guests have their own guide who personalizes the tours based on their interests and amount of time they have to spend. Tours begin at the Visitor Center at 10:30 a.m. and 1:30 p.m.

Whether you come to explore the winter wonderland of the Brandywine on your own or with an expert guide, just come and enjoy. Hagley Museum’s new winter hours for walking the property or visiting the exhibits in the Visitor Center are 10 a.m. to 4 p.m. through March 13.



Photos by Ashley Schroeder

Victorine's Valentine's Day

Celebrate Valentine's Day with your loved ones at Hagley on Saturday, February 14. Victorine's Valentine's Day is a sweet family event with something for everyone.

This event celebrates the life and legacy of Victorine du Pont Bauduy. Victorine was the eldest daughter of E. I. du Pont, who built the mills on the Brandywine. She fell in love with Ferdinand Bauduy, the son of E. I.'s business partner. E. I. opposed the marriage, believing the couple was too young to be married. Ferdinand moved to France for two years, during which time Victorine pined for him. After two years, E. I. relented, and the young couple joyfully married in 1813.

Tragically, eleven weeks after their marriage, Ferdinand became ill and

passed away. Victorine was heartbroken, but after a long period of grief, she found a new passion in her life.

Victorine threw herself into teaching at the Brandywine Manufacturers' Sunday School. She remained the superintendent until her death in 1861.

Visit Hagley on Valentine's Day to learn more about her life and legacy. Guests can also decorate a candy bar wrapper, nibble a gingerbread heart, and customize a cup of hot chocolate with different toppings. Discover the Victorian roots of Valentine's Day with a display of antique Valentine cards from the collections of the Hagley Library.

Guests can enjoy nineteenth-century treats, activities, and crafts.

Victorine's Valentine's Day

February 14, 2015
12:30 to 4 p.m.

Free.

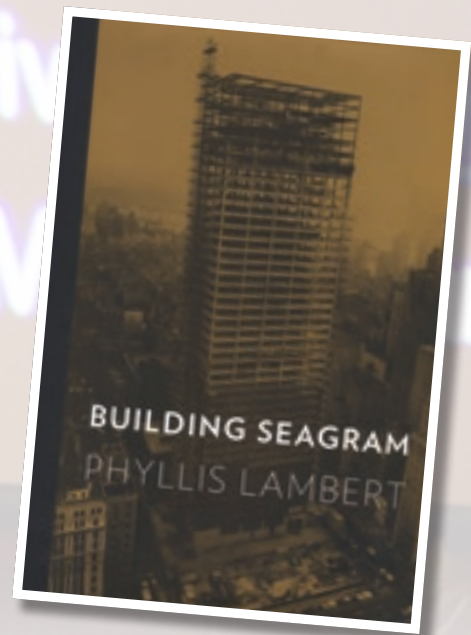
Spring Author Talk Series

**Phyllis Lambert, *Building Seagram*
Thursday March 5, 7 p.m.**

Building Seagram by Phyllis Lambert is a comprehensive personal and scholarly history of a major building and its architectural, cultural, and urban legacies. Considered one of the greatest icons of twentieth-century architecture, the Seagram building was commissioned by Samuel Bronfman, founder of the Canadian distillery dynasty Seagram. Bronfman's daughter Phyllis Lambert was twenty-seven years old in 1954 when she took over the search for an architect and chose Mies van der Rohe. Through her choice, Lambert established her role as a leading architectural patron and singlehandedly changed the face of American urban architecture.

In her book, Lambert makes use of previously unpublished personal archives, company correspondence, and photographs to tell an insider's view of the debates, resolutions, and unknown dramas of the building's construction, as well as its crucial role in the history of modern art and architectural culture.

Phyllis Lambert is founding director of the Canadian Centre for Architecture in Montreal and the recipient of many honors for her achievements and contributions. A book signing will be



held after the lecture, and copies will be available for purchase.

**Amy Bentley, *Inventing Baby Food*
Thursday May 7, 7 p.m.**

Inventing Baby Food by Amy Bentley explores how the invention of commercial baby food shaped American notions of infancy and influenced the evolution of parental and pediatric care. Until the late nineteenth century, infants were almost exclusively fed breast milk. Over the course of the next few decades commercial baby food became emblematic of all things modern in postwar America. But these baby food products laden with sugar, salt, and starch also became a gateway to the industrialized diet that blossomed during this period. All of this matters because, as the author suggests, it's during infancy that American palates become acclimated to tastes and textures, including those of highly processed, minimally nutritious, and calorie-dense industrial food products.

Amy Bentley is Associate Professor in the Department of Nutrition, Food Studies, and Public Health at New York University.

Spring Author Talk Series

All author talks are held at 7 p.m. in Hagley's Soda House. Use the Buck Road East entrance off Route 100 in Wilmington, Delaware.

Talks are free and open to the public. Reservations requested, contact Carol Lockman at (302) 658-2400, ext. 243, or clockman@hagley.org



DFVA Spring Art Show

Hagley will host the Delaware Foundation for the Visual Arts 16th annual Spring Art Show at the Soda House on Saturday and Sunday, March 14 and 15. The show runs from 10 a.m. to 5 p.m. on Saturday, with a reception for the honored artists from noon to 2 p.m. On Sunday, the event runs from noon to 4 p.m. This is free for Hagley members. Non-member guests pay \$5 Saturday and Sunday.

The foundation will host an opening reception Friday, March 13, from 5:30 to 8:30 p.m., free for Hagley members. Non-members pay \$10. There will be light refreshments and a cash bar. Guests to the opening reception can meet the artists and pre-purchase items.

At this year's show, more than sixty artists from the Brandywine area will

exhibit and sell paintings, sculpture, porcelain, ceramics, fused glass, jewelry and limited edition reproductions. Thirty percent of purchases are tax deductible.

This year's honored artist is local artist Steve Oliver. Using acrylics, ink or colored pencils, he brings animals to life in vivid colors and meticulous detail, while surrounding them with a captivating and picturesque background or atmosphere.

Also on exhibit will be artwork by this year's winners in the foundation's "Excellence in Drawing Competition" for Delaware high school students. A portion of the proceeds benefit the foundation's Scholarship Awards for Delaware high school students.

Trouble's A Bruin
by this year's honored
artist Steve Oliver.

DFVA Spring Art Show

Friday, March 13

5:30 to 8:30 p.m.

Opening Reception

Free for members

\$10 for not-yet-members

Saturday, March 14

10 a.m. to 5 p.m.

Sunday, March 15

Noon to 4 p.m.

For reception information
and a list of participating
artists, visit www.dfva.org.



For the Love of Chocolate

*Shane Confectionery
co-owner Ryan Berley.*

Innovation with Libations: For the Love of Chocolate

May 6 - 5:30 to 7:30 p.m.

Members \$15

Not-Yet-Members \$20

Must be 21+

Copeland Room / Terrace.

Includes one drink ticket,
light hors d'oeuvres,
candy tasting.

Reservations:

Kim Kelleher

(302) 658-2400, ext. 235,

or kkelleher@hagley.org

Reply by April 29.

The sweet taste of history comes to Hagley on Wednesday, May 6, when the Golden Pheasants welcome Eric and Ryan Berley from The Franklin Fountain and Shane Confectionery in Philadelphia's Old City neighborhood. As part of the series "Innovation with Libations," the brothers will delight guests with tales and tastes from their business. Guests to "Innovation with Libations" will learn about the Berleys' adventures in entrepreneurship, their challenges, and the sweet opportunities it presents to them.

Shane Confectionery is the oldest continuously run confectionery in the United States, established in 1863. The Shane family took over the business in 1911. In 2010, the business transitioned to the Berley brothers, who own the nearby

Franklin Fountain and who embarked on a meticulous restoration of the building and business. Candies continue to be made onsite, with an emphasis on locally sourced ingredients, seasonal specialties and old-fashioned quality.

When planning their business, the Berleys' research took them to shops throughout West Virginia, Tennessee, and Georgia, to a convention in New Orleans, and the collections at Hagley. Hagley's trade catalogs collection provided a look at advertising and marketing from a bygone era. On May 6, prior to the Berley brothers' presentation, the evening will feature samples from the confectionery store, wine, beer, and soda. Open to the public, must be at least 21 to attend.



Photo by Ashley Schroeder

Natural Hagley

In 2015, Hagley will introduce four major weekend events that will invite guests to experience Hagley in new ways. The first, Natural Hagley, will offer guests the opportunity to unplug, recharge, and experience a different kind of Hagley. On 363 days a year, Hagley tells the story of the DuPont Company, the Industrial Revolution, and the amazing series of innovations in technology that powered the DuPont Company on the Brandywine. On May 16 we invite you to turn off your cell phones and explore our outdoor space. Stroll through the “most beautiful mile of the Brandywine” and discover the rejuvenating power of natural Hagley.

The early duPont family established a tradition of taking a nature walk on the first day of May to search for the

first signs of spring. It is in this tradition that we celebrate spring.

This is a rare opportunity for guests to explore the entire property without the distraction of buses. The property is open for exploration, including many areas normally closed to walking visitors.

For guests looking for a more in-depth experience, there will be guided nature walks throughout the day. Learn about the local trees, wildflowers, birds, and more. Discover the natural resources used to make black powder with unique, exclusive demonstrations. Peel willow branches for charcoal and discover how the “dry tables” were used. The event also features the Rocks and Roll Mills walking tour, an in-depth exploration of the geology of the Brandywine River.

Geologist and Hagley Guide Thomas Stack leads guests on Hagley's Rocks and Roll Mills tour.

Natural Hagley

May 16 - 10 a.m. to 5 p.m.

Use main entrance off Route 141.

Included with general admission, free for members.



Battle of Five Forks, chromolithograph print by Kurz & Allison, showing a charge led by Union general Philip Sheridan

Civil War Bus Tour

June 13 and 14

Visit www.hagley.org for information and reservations.

Reservations required by May 11.

Civil War Bus Tour

“We won a grand victory, but at a severe loss.” With these words, a Delaware soldier summed up the Battle of Five Forks, the last major battle of the Civil War. One hundred fifty years ago, America’s devastating Civil War ended, leaving the country war-torn and its people scarred and deeply grieving. Hagley will mark the occasion with several events.

On June 13 and 14, Hagley and the Delaware Historical Society will present a bus tour to Five Forks Battlefield and Appomattox Court House National Historic Park. Guided by Justin Carisio, Civil War historian and author of *A Quaker Officer in the Civil War*, *Henry Gawthrop of the 4th Delaware*, the tour will highlight the role of the Delaware regiments in

the final days of the Civil War. If you participated in the fascinating visit to the Antietam Battlefield in 2012, also guided by Carisio, you will understand how impactful this tour will be. Full information is on the Hagley website, and reservations are required by May 11.

Other commemorative programs include a lecture on June 3 by Lucas Clawson, Hagley’s reference archivist, and a two-day Civil War naval living history experience with officers and crew of the USS *Lehigh* on Saturday and Sunday, June 27 and 28, which will include a concert and a ceremony honoring Admiral Samuel Francis Du Pont. Further details coming in the next *Hagley Magazine*.



Confederate Powder Works

Hagley recently acquired an 1864 memorandum by George Washington Rains (1817-1898) describing his work in organizing and running the Confederate Powder Works at Augusta, Georgia. The account serves as a valuable counterpoint to Hagley's extensive coverage of DuPont's efforts on the Union side.

Rains, an artillery and engineering officer who had graduated third in his class at West Point in 1842, went with his native North Carolina when it seceded. At the start of the war, the Confederacy had only two small powder mills in Tennessee and South Carolina, plus stores of powder seized from captured federal arsenals. Rains directed a crash program to enlarge existing mills and build the Augusta works, which

represented the outstanding war project of the Confederate government.

Rains chose the Augusta site well, as it enjoyed excellent transportation by rail and water and was so deep in Confederate territory that it was never attacked, and it continued in operation until nine days after Appomattox. Like many subsequent war programs, Rains developed important innovations to speed production and overcome shortages of the best raw materials.

In his memorandum, written sometime between the fall of Atlanta and the final assault on Petersburg, Rains also discourses on the Confederate munitions and armaments effort and the pressures of supplying particular campaigns.

Sibley Manufacturing Company, Augusta, Georgia. The stack on the right is the original Confederate Powder Works stack.



Top: Registrar Keith Minsinger and Inventory Assistant Caroline Western examine inventoried objects.

Bottom: Inventory Assistant Emily Carnwath and volunteer Elton Grunden inventory furniture.

Right: Volunteer Joe Hare inventories part of the explosives-related collection.

Museum Inventory Project

How many artifacts are in the museum collection? Curator of Collections and Exhibits Debra Hughes is thrilled to announce that the completion of the first phase of the inventory project—physically examining and photographing every item in the collection. A total of 53,989 objects were inventoried, with 107,753 photographs taken!

During the last three years, the inventory team (the collections staff, a part-time inventory assistant, and a lot of volunteers) combed through the 235-acre Hagley property and more than thirty buildings looking for artifacts. All artifacts on display, in storage and on the grounds—including the boxcar and refinery kettles—were included.

The goal of the inventory was to document and record each object's

location. Since every object was going to be examined, the decision was made to also photograph them. Adding these photographs to the museum's collections management database is the next phase of the project.

This information helps staff who are planning exhibits and answering research questions and researchers looking for more information on our collections. The museum's artifact database is open to researchers by scheduling an appointment with Registrar Keith Minsinger at kminsinger@hagley.org.

Completing the first physical inventory of the museum collection was a critical first step in making the collections accessible online.

How Many Hides Has a Cow?

For shoe soles, one—so thick . . . _____

For bookbinding and upholstery, four as follows:

A. A thin, top sheet, with natural grain, for bookbinding _____

B. A thicker second sheet with natural grain for upholstery of first-class furniture and automobiles . . . _____

C. A still thicker "split" with no natural grain . . . _____

D. A very thick, pulpy "split" with no natural grain _____

Only the most expensive furniture and automobiles are upholstered with B, which is known in the trade as No. 1 leather. Most "leather" upholstery is done with C and D, coated and embossed to look like B. C and D are known in the trade as "coated splits". They are really artificial leather of a quality inferior to the material sold as *artificial leather* for upholstery of automobiles, furniture and buggies.

DU PONT FABRIKOID
REG. U. S. PAT. OFF.

MOTOR QUALITY
For Automobiles
CRAFTSMAN QUALITY
For Furniture

Is Guaranteed Superior to Coated Splits

Its base is a specially woven, very strong cotton cloth. The base of coated splits is a thick, pulpy piece of flesh, much weaker than the cloth. Both are coated with practically the same materials. Both are embossed or grained in



How Many Hides Has A Cow?

During World War I, the DuPont Company used this catchy phrase in the headline to sell its new product Fabrikoid. A real cow only had one hide, but the supply of its new artificial leather was limitless for automobile tops, upholstery, and other uses. DuPont began exploring artificial leather in 1909. By 1915 the Fabrikoid Company in Newburgh, New York, had been acquired, and DuPont's scientists had greatly improved the product to the point of being able to emboss the nitrocellulose coating to imitate a larger variety of leather patterns. Fabrikoid had a long period of success until being replaced by vinyl-coated fabrics in the 1940s.

Hagley is fortunate to have almost 100 samples of Fabrikoid. Most are salesman samples that depict the range

of color and patterns that were achieved, but some products differ, such as a small model top for a car. Objects Conservator Ebenezer Kotei recently completed a detailed conservation survey and was pleasantly surprised at how well they have lasted over the years. Since they were made with nitrocellulose, he has recommended future long-term storage in the museum's cold storage area.

You can see samples of Fabrikoid in the Visitor Center in the "DuPont: Science & Discovery" exhibition on the third floor. Researchers can contact registrar Keith Minsinger at kminsinger@hagley.org or (302) 658-2400, ext. 309, to schedule an appointment.

Left: DuPont Fabrikoid advertisement, 1915

Right: Samples of DuPont Fabrikoid



*Weathervane from barn roof, with curator's tape measure for scale
Inset: Hagley barn*

Preserving our Heritage

One can only wonder if E. I. du Pont dreamed that the Eleutherian Mills barn would stand for centuries. More than 200 years after its completion, it remains in excellent structural condition, with a new roof intended to withstand the next 50 years. This new roof, made of fire-resistant resin shakes, protects the building and its contents, including the Conestoga wagon and du Pont Motors cars.

The family commitment to the land is symbolized in the Eleutherian Mills barn. The patriarch of the family, Pierre Samuel du Pont de Nemours, instilled in his sons that “Land and water are the only sources of wealth.” During the nineteenth century, local production of food and the care of livestock were essential to the family’s well being. The reroofing of the barn answers Hagley’s call to

action—to collect, preserve, and interpret the history of the site. The project also presented an opportunity for inspection and conservation of the American Eagle weathervane on the roof. Ongoing maintenance of the weathervane ensures that it, too, will continue to provide us with a link to Hagley’s past.

The next time you visit Hagley, please visit the Eleutherian Mills barn and the American Eagle weathervane. Their outstanding preservation stands as tribute to the support and commitment given to Hagley since its inception. Your donations, and grants from the Laffey-McHugh Foundation and the Chichester du Pont Foundation, have helped Hagley move forward with our preservation goals and we are grateful for your support.

How to Give

Visit www.hagley.org/ contribute to make your donation online.

Questions?
Contact Jill MacKenzie at jmackenzie@hagley.org or (302) 658-2400, ext. 302.



Stories from the Stacks

This summer the Hagley Center for the History of Business, Technology, and Society launched Stories from the Stacks, an audio interview series in which visiting researchers share the excitement of discovering the rich materials in Hagley's collections.

Researchers from around the globe come to access historical materials available only in Hagley's collections. The impressive variety of work generated by visiting researchers makes Hagley an essential component of a network producing scholarship in the histories of American business, technology, and innovation.

"Designing and implementing the program has been a rewarding challenge," says Gregory Hargreaves, public programming intern. "It has

allowed me to combine the skills developed in my years of experience in radio with my formal training as a historian, most recently as a Hagley fellow at the University of Delaware."

The first series of episodes visits subjects as varied as railroads, labor relations, and children's food, drawing upon materials from the Pennsylvania Railroad, National Association of Manufacturers, Ernest Dichter papers, and many more unique sources in the Hagley collections. Stories from the Stacks gives the public open access to the world of scholarship, allowing them to learn about the materials in the Hagley collections and how scholars use them to interpret the past.

Image of dining car interior from Pennsylvania Railroad Collections, 1937

Stories from the Stacks

For more information and to listen to episodes, visit www.hagley.org/storiesfromthestacks.



Photos by Ashley Schroeder

Volunteers support Hagley in many different ways.

Volunteer at Hagley!

If you would like to volunteer, please fill out an application at www.hagley.org/volunteer or call Volunteer Manager Angela Williamson at 658-2400, ext. 257.

Volunteer Appreciation Month

Volunteers give Hagley added horsepower, energy, and productivity. If you have been waiting for an invitation to volunteer, here it is: Hagley invites you to join the volunteer team and learn something, give to the community, and feel good about doing good.

Thanks go out to Hagley’s volunteers who come weekly, work from home, support special events, or help us daily. You are not just numbers to us—you are our heart and soul. We appreciate your new ideas, enthusiasm, diverse knowledge and skills, and zeal. Hagley is richer and better able to serve its community because of you. Your involvement is greatly appreciated.

In April, America celebrates and thanks its volunteers. Hagley is proud to

count more than 500 people who donate their time and talent.

Once a year, all of Hagley’s volunteers are invited to come together to celebrate each other’s contributions and be recognized for all that they have accomplished. This year’s party on April 21 is themed Wizard of Oz—There’s No Place Like Hagley. Volunteers are encouraged to wear costumes. Sign up through Volunteer Squared or by calling Angela Williamson.

Our larger museum community also recognizes and thanks our volunteers in April by giving free passes to use at participating organizations. It is a wonderful way for volunteers to experience other organizations, as a token of our appreciation.



Join Hagley and Stay Healthy!

Hagley's trails along the Brandywine's most beautiful mile are a great place to walk and hike year round. The property is open for biking during Bike and Hike summer evenings, with some evenings open for your furry friends as well. Join Hagley today, keep active, and stay healthy!

Photo by Ashley Schroeder

MEMBERSHIP APPLICATION FORM

Information

Mr. & Mrs. Mr. Mrs. Ms. Miss Dr.

Name: _____

Address: _____

Phone: _____

E-mail: _____

Please do NOT send me e-mail.

Membership Level (choose one)

- Individual \$40
- Scholar \$40
- Dual \$60
- Hagley Staff/Volunteer ... \$65
- Household..... \$75
- Patron..... \$175-\$499
- Sponsor..... \$500-\$999
- Benefactor \$1,000+

Payment Amount: \$ _____

- Check (payable to Hagley)
- Visa MasterCard Discover AMEX

_____ CREDIT CARD NUMBER

_____ EXPIRATION DATE

_____ NAME ON CREDIT CARD (PRINT CLEARLY)

_____ SIGNATURE

Please return this form to: Hagley Museum and Library • Membership Office • P. O. Box 3630 • Wilmington, DE 19807-0630



Photos by Ashley Schroeder

Top: Gentieu image, part of the Workers' World tour

Bottom: What's for Dinner? A Tale of Two Gardens tour

Right: Mortar firing during Hagley's a Blast add-on experience

Group Tours

For information about Hagley's expanded group tour options and walking tours, visit www.hagley.org.

Experience Hagley with Friends!

Bring your book club, church group, or alumni association to experience Hagley's expanded group tour options! Three new tours are offered to groups of fifteen to forty—along with **Hagley's a Blast!**, an add-on experience featuring explosive demonstrations and a spectacular mortar firing. Hagley is also doubling the opportunity for museum guests to take the tours by adding Sunday walking tours through the spring and fall. Tours include:

Sights, Sounds, and Smells - the fascinating history of gunpowder, its many applications, and the DuPont powder production process, ending with explosive demonstrations.

Rocks and Roll Mills - the vital nature of blue gneiss and its importance to black powder manufacture, and

guests can take a souvenir piece of blue rock with them.

H2 Oh! - the sophisticated technology of DuPont waterpower, including the site's earliest mills, restored water turbine, and working models showing the development of water power at Hagley.

Workers' World - the intriguing lives of immigrant powder yard workers and the struggles they shared with the du Pont family in the vibrant industrial villages of the Brandywine.

What's for Dinner? A Tale of Two Gardens - the importance of gardens to the du Pont family and powder yard workers when home grown produce was essential to survival, leading to an unexpected legacy of Hagley's renowned gardens.



IT'S ELECTRIC!

At Hagley's Science Saturday, **"The Power of Electricity,"** on Saturday, February 28, you can explore the world of electrical currents!

Can you match the inventors with their appliances?

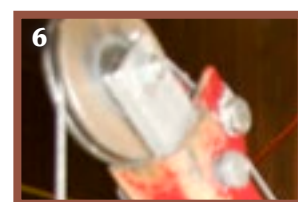
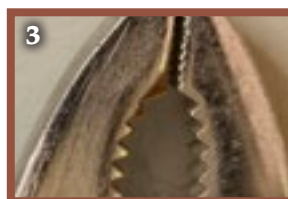
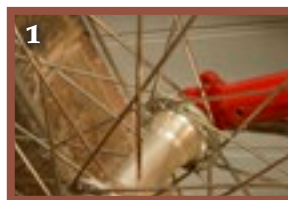
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|--------------------------|----------------------|
| A. Alexander Graham Bell | 1. Electrocardiogram |
| B. Thomas Edison | 2. Computer Mouse |
| C. Willem Einthoven | 3. Light Bulb |
| D. Douglas Engelbart | 4. Telegraph |
| E. Benjamin Franklin | 5. Telephone |
| F. Guglielmo Marconi | 6. Electric Guitar |
| G. Les Paul | 7. Lightning Rod |

Bonus question: Which person of the above list also invented bifocals?

EASY DOES IT!

The winter months are a great time of year to explore Hagley's indoor exhibitions. Can you identify these close-ups from Hagley's **"Easy Does It!"** Exhibition? Come see the exhibition and learn about simple machines!

- A. bicycle tire
- B. pulley on gear lifter
- C. wheel on gear shift mechanism
- D. bicycle spokes and axle
- E. sluice gate lever
- F. pliers



FIND THE SIGNS OF SPRING!

Toward the end of the cold winter months, you can see the signs of the approaching spring. Look for those signs in the grid below.

WORD LIST

- BEE
- BLOSSOM
- BUD
- BUTTERFLY
- CARDINAL
- DOGWOOD
- FINCH
- FLOWER
- NEST
- OWL
- PEEPER
- RAIN
- ROBIN
- SNOWDROP
- SONGBIRD
- TULIP
- WOODPECKER

Z G L A B J F P F L A G K S Z H C H D Q N B S Y L
 E R B L H L I U B T G K T J T E U R C R J O R A A
 R U A L O L K O J S X O Y J H U I Q I N A H C Y N
 D B I W U U Y F W O O S Q R F B B S E R I I V Z I
 T D E T L W L J B G W O A R G R B H X Z H F N G D
 D R B M N H O R P F B R W N N D F V H C R M L P R
 O P E L W O W F Y Y S L O G Y G O U R M B Z A R A
 G U E V L S C Y L Z L S O P Y L M Z G J H B A D C
 W R E K C E P D O O W F W S Z K T E V U C P F U V
 O I L M W V U X A D M L R V S M A B K R X M I N V
 O N D S N O W D R O P X P E X O E I U X O C A U L
 D N E S T H I O N M I S C V T R M E Q T S T A H B
 Z W O Y J M O Z I P C D A I R T K L U O C M K Q L
 E P P B Z B O K B J Y Z C X U M U U E B N F S Q R
 H B R E P E E P O Z Q V M V F F J B C Q K M A I F
 X P K U R B D N R H A W V Z I Z Q P S K T F H Y S
 T K L U C Z K F B P X R C N N E T E T A V P R Y M

ANSWERS: IT'S ELECTRIC: A-5,
 B-3, C-1, D-2, E-7, F-4, G-6,
 BONUS-E:
 EASY DOES IT! A-2, B-6,
 C-5, D-1, E-4, F-3

Hagley is open daily, year-round, at 10 a.m. and closed Thanksgiving Day and Christmas Day.

The Belin House Organic Café is open daily 11 a.m. to 3 p.m.

For guided tours, research library hours, and event details, visit www.hagley.org.



Photo by Ashley Schroeder

Science Saturdays are a great opportunity for families to work together to solve a science problem.

Connect with us!



February 19 - Thursday - 6:30 p.m.

Research Seminar: Tiago Saraiva (Drexel University)

Attendees are encouraged to read the paper, "Cloning California: Oranges and American Democracy in the Global Mediterranean," which may be obtained by contacting Carol Lockman at clockman@hagley.org. Library Copeland Room, use Hagley's Buck Road East entrance.

February 28 - Saturday - 1 to 4 p.m.

Science Saturday: The Power of Electricity

Experiment and innovate with our series of family activities: Science Saturdays. Families work creatively together to solve a problem or make an improvement. Today's activity explores electricity. Free.

March 5 - Thursday - 7 p.m.

Author Talk: Phyllis Lambert - Building Seagram

Phyllis Lambert, recipient of many international honors for her lifetime of contributions to architecture, will present a personal and scholarly account of the building of the iconic Seagram Building. Free, reservations requested, call (302) 658-2400, ext. 243, or e-mail clockman@hagley.org. Held in the Soda House, use Hagley's Buck Road East entrance.

March 20 - July 26

"Unraveling Stories" Exhibition

This experimental exhibition invites visitors to dig deeply into one object. Explore the stories that a large, hand-made hooked rug has to tell. Included in regular admission and free for members.

March 26 - Thursday - 6:30 p.m.

Research Seminar: Mark Rose (Florida Atlantic University)

Attendees are encouraged to read the paper, "Supermarket Banks: The Consolidation of Financial Services, 1970-1992," which may be obtained by contacting Carol Lockman at clockman@hagley.org. Library Copeland Room, use Hagley's Buck Road East entrance.

March 28 - Saturday - 1 to 4 p.m.

Science Saturday: Heat and Fire

Today's activity explores the energy and uses of fire. Included in regular admission and free for members.

April 4, 19, May 2, 10 - 11 a.m. and 2 p.m.

Walking Tour: Sights, Sounds, and Smells

Visitors experience an in-depth, hands-on tour focused on gunpowder production in the Hagley Powder Yard and visit areas rarely seen by guests. Included in admission, free for members. Reservations requested, call (302) 658-2400, ext. 261.

April 5, 11, May 3 - 11 a.m. and 2 p.m.

Walking Tour: H2 Oh!

Learn about DuPont Company's development of water power from the waterwheel to the steam engine and how its innovation contributed to the success of the company. Included in admission and free for members. Reservations requested, call (302) 658-2400, ext. 261.

April 12, 26 - Sunday - 11 a.m. and 2 p.m.

Walking Tour: Rocks and Roll Mills

Visitors explore the geology of the Brandywine Valley and its impact on the milling industry. Included in admission and free for members. Reservations requested, call (302) 658-2400, ext. 261.

April 18, May 9 - Saturday - 11 a.m. and 2 p.m.

Walking Tour: Workers' World

Discover the fascinating stories of the immigrant workers who lived along the Brandywine and worked for the DuPont Company. Included in admission and free for members. Reservations requested, call (302) 658-2400, ext. 261.

April 23 - Thursday - 6:30 p.m.

Research Seminar: Chantal Rodriguez (University of Maryland)

Attendees are encouraged to read the paper, "Unfit for Work: Railroad Companies and the (Un)Making of Mexican Guest Worker Health During World War II," which may be obtained by contacting Carol Lockman at clockman@hagley.org. Library Copeland Room, use Hagley's Buck Road East entrance.

April 25 - Saturday - 11 a.m. and 2 p.m.

Walking Tour: What's for Dinner? A Tale of Two Gardens

Dig into two very different gardens - one fed the du Pont family and the other DuPont Company workers in the 1800s. Included in admission and free for members. Reservations requested, call (302) 658-2400, ext. 261.

April 25 - Saturday - 1 to 4 p.m.

Science Saturday: Wild About Water

Today's activity explores how water can be used to create energy. Included in regular admission and free for members.

May 6 - Wednesday - 5:30 to 7:30 p.m.

Innovation with Libations: "For the Love of Chocolate"

The Golden Pheasants welcome Eric and Ryan Berley from The Franklin Fountain and Shane Confectionery for "Innovation with Libations." Guests will learn about the Berleys' adventures in entrepreneurship, their challenges, and the sweet opportunities the business presents to them. \$20 for Nonmembers, \$15 for members. Includes one drink ticket, light hors d'oeuvres, and candy tasting. Must be 21 or older. Reply by April 29 to Kim Kelleher, kkelleher@hagley.org, (302) 658-2400, ext. 235, or visit www.hagley.org/events/adult-programs.

May 7 - Thursday - 7 p.m.

Author Talk: Amy Bentley - Inventing Baby Food: Taste, Health, and the Industrialization of the American Diet

Dr. Amy Bentley of New York University will discuss the creation of processed baby food by Gerber and other companies in mid-century America, and the reaction against it since the 1970s by mothers seeking more natural food for their infants. Free, reservations requested, call (302) 658-2400, ext. 243, or e-mail clockman@hagley.org. Held in the Soda House, use Hagley's Buck Road East entrance.

May 9 - Saturday - 1 to 4 p.m.

Science Saturday: Magnetic Attraction

Today's activity explores magnets and how they are used from motors to compasses. Included in regular admission and free for members.

May 16 - Saturday - 10 a.m. to 5 p.m.

Natural Hagley

Recharge your battery along the most beautiful mile of the Brandywine. This day features guided nature experiences and freedom to roam the wooded trails or river walk at Hagley. Included with admission, free for members.



Photos by Ashley Schroeder

Winter Recipes and Tales

1) *Long Nights and Log Fires* by Ryland Peters

Enjoy the winter's "warming comfort food for family and friends." Soups and Snacks features hearty recipes such as Slow-cooked Onion and Cider Soup and toasted Welsh Rarebit. In Dinner Dishes you'll find quick-to-prepare recipes including Taleggio and Potato Tortilla and Sausages with Winter Rosti.

Fool-proof recipes include Traditional Roast Turkey, Roast Beef with all the Trimmings, and Rolled Crackly Pork with Sage and Onion Stuffing.

More than 180 perfect recipes for winter eating and entertaining.

Item #6181 - \$27.95

2) *The Winter Train* Story by Susanna Isem and illustrations by Ester Garcia

The Winter Train is a delightful tale of friendship and solidarity, taking young readers on a touching journey that brings out the very best in everyone.

Item #6530 - \$16.95

3) *Toile* by Gibbs Smith

Absorb the elegance of France through the inspiring words of philosophers, artists and writers combined with the images of beautiful toile. A book of inspiration that makes a lovely gift.

Item #6552 - \$12.99

Hagley Store Information

Hagley members receive a 10 percent discount at the Hagley Store.

Open daily from 9:30 a.m. to 5 p.m.

(302) 658-2400, ext. 274



Hagley

MAGAZINE

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