

THE TORCH

NEWSLETTER OF THE BLOW TORCH COLLECTORS ASSOCIATION

Issue #49

March 2011



This poster is from the collection of Michel Duval.

NEW MEMBERS

Phillip Bartlett of St Clair, New South Wales, Australia is a relatively new lamp collector and in only fifteen months has amassed 141 lamps! A fast collector! About one third are restored and displayed in his home. Phillip is a Fitter Machinist by trade and owns a small fabrication business. A few years back he started collecting antique stationary engines in need of restoration; however, he never got around to the restoration. Some time later he saw some restored blowlamps, similar to the type his father used decades ago, and the warm glow of the polished brass looked quite appealing to him.

"My first torch was a massive Monitor No. 52 that weighed in at 11 lbs (4.8kg). While holding the lamp, I could barely stand up without falling over as the burner assembly was so heavy. Soon I was collecting local Companion, Primus, and Sievert lamps, and soon discovered that on some brands there was a dating code. Now I sought to find the oldest lamps in reasonable condition. I purchased a small English Burrige out of fascination for its shape. Then I thought...why not look at eBay in England....BAD MOVE! I soon spied a strange cricket ball shaped lamp called The Rapid. I managed to win it and that lamp took collecting to a whole new level!

Shortly after I checked out the US eBay site and that opened up a whole new market and line of lamps. What started out as an enjoyable, easily identifiable hobby of collecting and restoring lamps to their former beauty has turned into a journey into the past where I find man's ingenuity, diversity, and perseverance to adapt and refine the concept and principles of heating into so many different shapes, sizes, and applications. To me they all share the lasting warm glow of brass and copper...even the ones over a century old. Most lamps might be damaged and worn showing they had a working life which adds to their character."

Pierre Blaje of Villa Park, Illinois....welcome to our group.

Ted De Lauro of Forest Hill, New York started his torch collection just over ten years ago and has accumulated 140 torches. He has just a few polished pieces and most of his collection is displayed in an enclosed porch area of his home. He received his encouragement to start a blow torch collection from his grandfather who worked at the Hauck Mfg. Co. facility in Brooklyn, NY. He also has been collecting license plates for twenty five years and has some from all over the world.

Knud Hansen of Vemmelev, Denmark has been a lamp collector since 1995 when he visited a friend that owned ten highly polished lamps...Knud thought they looked great! As a result, in the last fifteen years he has amassed 950 lamps! Over 500 have been expertly restored and are on display in his home. Knud was interviewed during a program on Danish TV where he described his collection and details about the operation of a blowlamp. He has also displayed part of his collection in enclosed cases at a nearby library. Knud also collects vintage wrenches and old boat engines as seen on the right.



Arthur McNamara of McMahons Point, New South Wales, Australia is a long time collector...nearly thirty five years; however, he has doubled his collection in the last five years. Some of his 200 lamps, the more attractive ones, are displayed around his home, but most are on shelves in the garage. Arthur started his lamp collection by restoring his father's Burmos, and after being impressed with how great it looked, started looking for others to add to his collection. As a young Architect starting his own practice, time was scarce, but he always found some time to search the markets for more lamps. He remembers as a youngster using blowlamps to melt lead to make fishing sinkers. While on a trip to visit relatives in Canada many years ago he purchased two Butler torches. This purchase also started his interest in American style torches. Arthur's main hobby is collecting vintage cars along with sheep breeding and restoring his old railway station used as a house on his farm.

Al Rott of Kathleen, Florida starting collecting torches shortly after his retirement in 2007. He has a modest collection with most being restored and a few displayed in various relatives homes. Al entered two of his restored torches in the antique category at the 2008 Florida State Fair and won a third place ribbon. He spied his first torch at a flea market and realized that the brass torch would look good restored. Al also has a small soldering iron collection.

Mark Wright of Arvada, Colorado received his first blow torch from his father in the 1960s. The blow torch was used by his father in the family service station, and he passed it on to Mark when he retired. Mark purchased his second torch in 2008, and in 2009 purchased an entire collection from a friend that was moving to an assisted living facility. He also collects antique fire suppression devices and fishing reels.

WELCOME ABOARD!



NOTES FROM ALL OVER



Michel Duval recently purchased a late 1950s Z&W Machined Products Inc. blow torch on the US eBay site for \$383. For those of you not familiar with a Z&W torch....the fuel tank is made from extruded aluminum with a cast aluminum top and bottom welded in place. The torch is self-generated with no air pump, and it has dual drip cups machined into the top. The large handle is Bakelite and fuel entry in the bottom. What makes Michel's Z&W torch so valuable is the intact original heat shield. Only a few are known to exist with the heat shield.

For those of you not aware of Michel's goal, he plans on owning 500 different torches, and this Z&W torch →→ makes it number 483. (Note: since his Z&W acquisition his total now stands at 498!)

Bob Scheiderman was given the opportunity to display a portion of his torch collection at the Ocean County Library in Toms River, NJ in August and September, 2010. One of his daughters was at the library and brought home a brochure about displaying collectable items at the library. He submitted a number of photos and was contacted with an OK to display. Last year was his second year that he has displayed at the same library.





They have about twelve display cases available for public use, and the one they provided to him was ←← the largest of all. Unfortunately they contacted him at the last minute and Bob did not have enough refinished torches to fill the case...as you can see from the photo. There is a tall round case just to the left of the rectangular case that was large enough to display Bob's refinished C&L 500-A Fire Pot. One of the displayed torches was manufactured in Germany in 2000 and brought back from Germany by his son-in-law who was stationed there in the Army. Bob says that it

fires up nicely!

We have another artist in our group....**Gerard Muller**. At right is his interpretation of the Statue of Liberty, complete with two unidentified blow lamps. He also brought to our attention the Bartholdi Museum in Colmar, France. Colmar is the native home of Frédéric Auguste Bartholdi, the artist that created the Liberty Enlightening The World statue....more commonly known as the Statue of Liberty. The museum contains Bartholdi's most important collection of his work, thanks to the heritage his widow left to the town of Colmar.

As a coincidence we had another of our members, **Knut Hansen**, who also had the opportunity to display some of his enormous lamp collection at a nearby library in the city of Slagelse which is only 10km from his hometown of Vemmelev. The library provided two large 6 ft. tall display cases and Knud filled every shelf. Please let us know if you have had the opportunity to display your collection at a library.

We know **Wayne Poapst** reads our newsletters: *"After reading "The Torch" I now know that I have a "4 Star-Rated" Hull Halide torch. I have had it for six years, and since the pump assembly was an Otto Bernz design, I just took for granted it was one that was not listed. My Hull torch has two openings on the head and is the pint size. When I have displayed it at various shows I have told people it was different because very few torches have a cast burner. Looking down on it, the head looked like "an alien's head", with the two eyes."*



Here is a story sent in by **Les Taylor** that everyone should take heed if you are inclined to fire up any of your torches. *"I met a guy at a local swap meet who told me about a problem he had with one of his blow torches blocking up in the orifice. So....he drilled a larger hole to alleviate the problem. He filled the torch with high octane fuel, pumped it up, opened up the fuel valve, struck a match and a LARGE stream of ignited fuel ended up shooting over the next door neighbor's fence and burning the clothes that were hanging on the wash line. A costly mistake, no doubt!"*

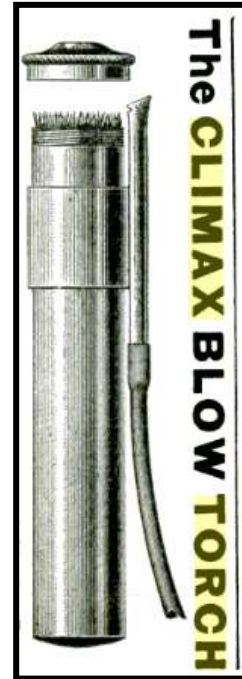


THE CLIMAX BLOW TORCH

Graham Stubbs uncovered a never seen before blow torch that was produced the Climax Mfg. Co. of Boston, MA. We believe that this is a different Climax that manufactured the somewhat rare Combination Paint Burner and Scraper shown on page 140 of *Vintage Blowtorches*.

Graham did some Internet research and found that both Climax companies were operating during the same period in Massachusetts. So...we now have Climax companies, one in Boston and the other in Hyannis.

The blow torch was listed in a 1905 *Popular Mechanics Magazine* and advertised as THE CLIMAX BLOW TORCH. No details were provided on its or composition, but it appears to be somewhat small and very similar in size style to some of the single tube Lenk torches as shown on pages 264 & 265 of *Vintage Blowtorches*. It was described as: "An improvement over every good quality soldering device. Carries its own heat supply. This torch is used by jewelers and electricians everywhere and every professional and amateur worker should have one. Price only 55 cents postpaid." Please, contact us if anyone owns one of these Climax torches. Consider it very rare.



by
Co.
as

two

size
and



EVERY TORCH HAS A STORY

By Lloyd Weber



Line #42A, would be a nice restoration.

"I met John McKusick when he came to our garden to interview us about a story for a magazine. He is the Publisher of the Minnesota Horticulture Society Magazine. After touring the garden, he noticed some of my un-restored torches in the garage and asked what they were. I gave him a tour of my restored torches, describing how they operated and how they were used.

A week later he called and said he was at an estate sale and bought a box full of torches. He asked if he could bring them over for me to evaluate. After looking them over, I thought one, a Turner Master

I offered to restore it for him and he thought that would be great since he had no idea on how to restore a blow torch.

When he returned the next week, I had his restored Turner torch on my kitchen counter under a towel. When I did the "great reveal" and pulled off the towel...he was ecstatic! I also restored a couple of soldering irons he had found. Who knows, maybe we might have a new member from this."



⌘ PREHEATING BLOW TORCHES ⌘

There are literally hundreds of applications for blow torches....everything from branding livestock to dentists making crowns. One particular application utilizes blow torches to preheat items prior to welding or brazing. One US manufacturer stands out as the leader in large torches for various types of preheating....the Hauck Mfg. Co. of Brooklyn, NY. Hauck was very proactive in promoting the process of preheating and provided a wide range of torches to meet the needs of most any preheating application.

In a 1917 letter to a company in Oregon from Arthur Hauck, President of the Hauck Mfg. Co., he reiterates the benefits of preheating: *"To weld without preheating is expensive and not successful, especially when repairing machinery. Heating a casting with a welding torch chills it; expansion and contraction is sure to set in and bring about another breakdown of the same part.*

Hauck preheating outfits not only eliminate failures but reduce the welding time and cut the oxygen and acetylene bills in half. Users would not be without preheating outfits at any cost.

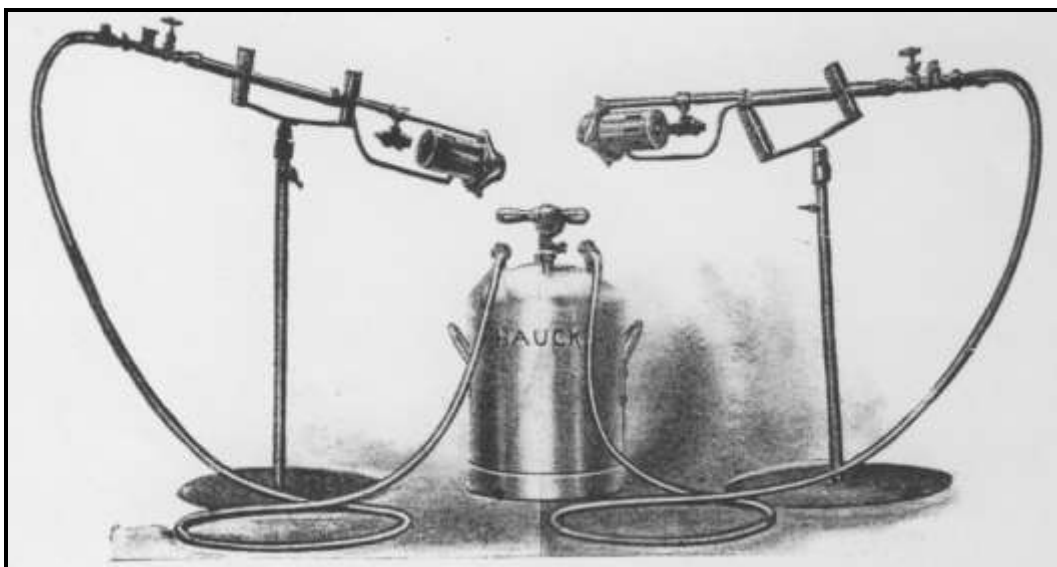
Many welders, although doing their best are not successful, because they do not realize the value of preheating. In our own plant we had that experience and now hardly do a welding or brazing job without preheating the part and are sure of good work.

Having sold many preheating outfits to other companies, we know the requirements and can recommend to you the preheating outfits mentioned below. They are sent on trial, upon request...get one now and eliminate failures, waste of time, labor, and fuel."

Yours very truly,

Arthur E. Hauck, President

The preheating outfits that Arthur Hauck recommended were the No. 8 Double Hand Pump Type Burner outfit burning kerosene as shown below, or the No. 2 Compressed Air Type outfit that burned any grade of crude or fuel oil.



Preheating in connection with oxy-acetylene welding is one of the principal factors of successful welding; it performs three important functions:

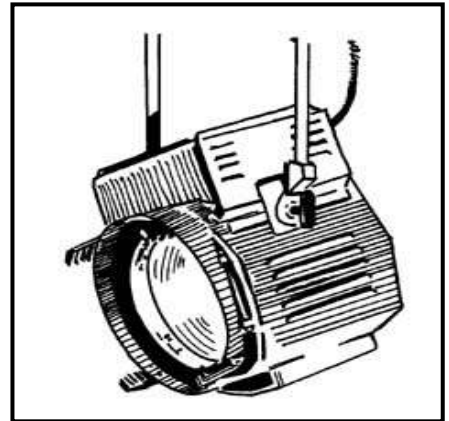
- Distributes expansion stresses uniformly throughout the part, preventing localized internal strains after the welding is completed.
- Reduces the time and cost of welding by utilizing a less expensive fuel for preheating.
- Raises the temperature of the metal around the weld so that the entire efficiency of the welding flame is utilized for welding.

Any torch could be utilized as a preheating torch...the size of the welding job would determine the size of the preheating torch. In many situations, the part to be welding would be surrounded by fire bricks for heat retention. Much larger parts would require more than one or two very large preheating torches, such as the No. 8 twelve gallon burner assembly shown on the previous page.



IN THE ~~SPOT~~ TORCH LIGHT

This is the fifth in a series of personal interviews with various BTCA members. This interview was conducted by **Graham Stubbs** in France during one of his European trips. **Michel Duval** and his lovely wife **Daniele** live in Longjumeau, a town just 10 miles south of Paris, France with a population of approximately 18,000 residents. Michel is well known to readers of *The Torch* from his frequent contributions of information and photographs to this newsletter. Like many European torch collectors, Michel is interested in American blow torches; he has examples of more than seventy makes and brands. His latest acquisition is a rare Z&W aluminum torch, with a heat shield.



TT: Tell us more about the town where you live.

MD: "Longjumeau" was the name of a notorious "highwayman" during the French Middle Ages. He burned the feet of his victims to force them to say where they hid their valuables. I don't know if "Longjumeau" used a blowtorch to do that. I have lived in Longjumeau for 31 years, and I was born in the Paris region.

TT: Did you see any of final stage of the Tour de France bicycle race in July 2010? I understand that the stage originated in Longjumeau?

MD: Yes, a friend of mine lives on the street across from the start of the final stage, and we watched and took photographs from there. →→

TT: Are you and Daniele retired or working?

MD: Daniele is retired from working in a bank and from professional child-care. I trained as a draftsman designer, and I worked for companies that provide industrial testing machines to the likes of Renault, Citroen, Michelin and Boeing. Later I worked for the French blowtorch maker Express, and when that company closed its French manufacturing operations, I started a new career as a driving instructor.



TT: How did you transition from a very technical position to a driving instructor?

MD: In March 2008, when I left my last job at Express, I decided to teach technical subjects (not at a school, but in-house training, a kind of vocational training for adults). I very quickly became unhappy with the training position and decided to look elsewhere. The sister of my daughter-in-law is the manager of a driving school and she was searching for a driving instructor. Why not I said? I attended a one-year training class and I received my diploma. I started as a driving instructor in July, 2010 and I am very pleased with the position. Driving instructors are in great demand in France.



TT: How long have you been collecting blowlamps, and how did you get started?

MD: I started collecting in 1980, when my father-in-law died. He had some old tools and I kept one of them. It was odd, dirty and black and I did not know what it was but I liked it. I cleaned and polished it and I found an Express blowtorch under the grime. Polished brass is very nice so I put my first blowtorch in our house as a decoration. My father, seeing this torch, told me he had my grandfather's torch. It was also an Express. A friend of mine, seeing these two blowtorches, told me he had the blowtorch from his grandfather. He gave it to me, it was also an Express!!! You know that Express blowtorches were very common in France, just as your Otto Bernz or C & L are common in the USA. It was the beginning of my collection...This collection has lasted for 30 years now.

TT: How do you display your torches, and do you clean them?



MD: Daniele is very supportive of my collecting. You can tell from the fact that in our home I have one room full of torches displayed on shelving, and a second room has a workshop (seen at left) for repairs and cleaning. After I polish the brass, I apply a coating of "Les Anciens Ébénistes"* buffing wax.

(**TT:** *a cabinet maker's wax, available at: www.classiquehardware.com/waxes.html)

TT: You have provided us with a lot of information and illustrations. Do you also collect other things related to blowtorches?

MD: I have always liked blowtorch literature, and now I am more and more interested in all sorts of "paper" about blowtorches. If we want to increase our knowledge about blowtorches, we have to save the literature. That's why I like very much your Vintage Blowtorches book and I am looking forward to your second book. I know that it is difficult to prepare blowtorch books because I made two of the "Recueil" books (Recueil means collection, in this case of literature) for the French Club.

TT: Do you find time to collect anything else?

MD: Before blowtorches, I had another passion: motorcycles. I got successively sixteen different bikes, among which were a Norton, three Harley-Davidsons, and also French, Italian, German and Japanese ones. I don't have a bike now, but when I retire I plan to ride again. Motorcycles are how Daniele first met. She was looking at a Norton bike, and asked who the owner was; me! (**TT:** Perhaps it's no coincidence that their son Vincent, who is 31, has the same name as a famous British motorbike!) Daniele and I also collect handmade pieces of earthenware from Brittany, the area in the northwest of France where Daniele is from. These pieces are decorated with pictures of traditionally-costumed dancers. →→→

TT: How many blowtorches do you have in your collection?

MD: I always liked the different, makes, brands and trademarks. So I started the same way to collect about the blowtorches. Today, I have 481 different blowtorch makes from 29 different countries. Generally I keep only one blowtorch of each make. In total, I have 550 blowtorches and soldering irons. If I find a second interesting model, I will keep the best one and I will exchange or sell the other one. Big or small blowtorch, brass or steel, vertical or horizontal burner, French or American... is not important for me. Only the MAKE, the new make for my collection is important. Of course, now



it is more and more difficult to find a new make or brand. I would like to reach five hundred; it makes a round number. Just 19 new ones to find; they will be the most difficult. Now, many friends and collectors, French or otherwise, know my particular way of collecting and some of them will tell me about a new make or they'll inform me about a blowtorch on eBay. I am so lucky to have their support!

TT: Do you have any favorite blowtorches?

MD: My favorites are the ones, which are rare manufacturers. Sometimes we know only one or two or three models from a maker. So I like to get one of these models, even if it is not a large or pretty blowtorch: it is a RARE make. Nevertheless, I also have favorite blowtorches because they are esthetic, decorative ones. I like my C.L.

(photo at left) (Clement Liotard and not a Clayton & Lambert...) because it dates from 1891/1892.



It is a French eolipyle with only one tank and it is the only Clement Liotard torch known.

I also like the Swiss Lyss because it uses a combination of copper, brass, steel and bronze materials in its construction. (See the [back page](#) for a Lyss photo.)

My third favorite blowtorch is the French Inexplosible N°4 with two burners. →→ I also have a patent copy and an advertisement for the same torch. The Inexplosible make is quite common but mine is the only known example of the N°4 model.



TT: Where do you find blowtorches?

MD: Originally it was at flea markets, but now it is mostly eBay and from other collectors.

TT: What do you consider to be your most valuable blowtorch??

MD: I do not have a really valuable blowtorch. I have never spent a lot of money for a blowtorch but I think that I have, all the same, an interesting collection. It proves that we can get good blowtorches with not much money, but with a lot of patience...

TT: Have you ever fired up one of your lamps?

MD: No, I am not brave enough. Since my restored blowtorches are varnished, the varnish does not like the heat.

TT: Any final comments?

MD: In my opinion, we collect for the pleasure and sometimes we are all like kids. Certainly, I am an old kid because I very much like all kind of "stuffs" related to blowtorches: stamps, post cards, miniatures, figurines, printing blocks, (as seen at right) lapel badges and other things.



I have also a chocolate blowtorch, wooden blowtorch, golden blowtorch, and a porcelain blowtorch. Collecting and studying blowtorches is a really interesting hobby and I will continue up until I reach 500 makes. But there are also the people, the fellow collectors and the friends that I have made in France and abroad.



Shapleigh Hardware Company Blowtorches and Firepots

The Shapleigh Hardware Co. of St. Louis, MO sold an extensive line of blowtorches and firepots, all of them made by other companies. Newly available information extends considerably our knowledge of torches sold by Shapleigh; some torches and firepots were offered under their original maker and brand names and model numbers, and some under Shapleigh's own model numbers. These latter torches usually carried a diamond-shaped brass plate affixed to the tank with the inscription:



“SHAPLEIGH HARDWARE CO. NORLEIGH DIAMOND”.

The large catalogs that were issued by the company, and which are highly sought after by tool collectors, carried advertisements for blow torches and firepots, some with the original maker's branding and others shown as Shapleigh products with their own unique model numbers. Almost all the Shapleigh torches and firepots can be identified as to the original maker and model.

During the 1920s, most Shapleigh torches were manufactured by the Otto Bernz Co.; a few were supplied by the Quick Meal Division of the American Stove Co. In the 1930s, Turner Brass Works became a supplier to Shapleigh, possibly replacing Bernz. At least one late model torch was from Wall.

The chart shown at right summarizes what is known from catalogs dating from about 1916 through 1935.

Regarding the referenced illustrations:

VB refers to *Vintage Blowtorches*, and *MVB* refers to *More Vintage Blowtorches*.

The reference year's c1923 or c1929 refers to the four full Shapleigh catalog pages at the end of this article.

The reference year 1935 refers to the illustrations on the next page from a Shapleigh catalog known to be dated 1935.

Shapleigh Model No.	Original Mfr. / Closest Model	Notes	Illustration /Photo
Torches			
ND1	Bernz 15	Two versions	c1923
ND1H	Bernz 17	SI holder	VB
ND2	Bernz 18	Two versions	c1923/1929
ND7	Bernz 57 (1925)		c1923/1929
ND8	Bernz 58 (1925)		VB /c1923/1929
ND11	Bernz 31		VB
ND11H	Bernz 21	SI holder	VB
ND17	Bernz 71		c1929
ND37	Turner	Shapleigh only	VB / 1935
ND150	Turner 150	Marked on burner	1935
NDA	Bernz 6	Auto torch	VB / c1923
NDB1	Bernz 23		
NDB1	Bernz 31		VB /c1923/1929
NDB3	Bernz 65		c1923/1929
NDB4	Bernz 66		c1923/1929
NDB10	Bernz 79		c1923/1929
NDF1	Bernz 27	Paint burner	VB
NDK1	Bernz 41	With bottom fill	VB
41	Amer. Stove 41	Quick Meal	c1929
150	Amer. Stove 36	Quick Meal	c1929
200	Amer. Stove 38	Quick Meal	c1929
Unknown	Turner 315	(Not C&L)	VB
Unknown	Wall	Pistol Grip	VB
Firepots			
NDF5	Bernz 50		c1923
NDF7	Bernz 60		c1923/1929
NDFK	Bernz B		MVB / c1923
NDFB	Bernz 1		c1923
NDFC	Bernz 2		c1923

The Shapleigh model No. ND37 blowtorch is unique in that it was made only for Shapleigh. The catalog description says “Originated by Us No Chance of Burning Hand when Pumping Air Into Tank While Using...” It has a horizontal pump mounted close to the bottom of the fuel tank. The pump design and burner are clearly from the Turner Brass Works. The details of the burner and control valve knob differ from the illustration and from other known examples of this very rare torch.

BLOW TORCHES

*SHAPLEIGH'S  *Non-Liquid Diamond*

TRADE MARK REG. IN THE U. S. PAT. OFFICE



Burns Gasoline Only

Brass Tank and Brass Pump; New Style, Originated by Us; Made of High Grade Materials; No Chance of Burning Hand when Pumping Air Into Tank While Using; Pump is Always Cool; Has Removable Soldering Copper Holder, Capacity, One Quart; Height Over All, 9 inches; Diam. of Base, 5½ ins.

Each

No. ND37—Weight Each, 4 lbs..... **\$6.70**
One in a Shipping Carton

*SHAPLEIGH'S  *Non-Liquid Diamond*

TRADE MARK REG. IN THE U. S. PAT. OFFICE



Burns Gasoline Only

Single Needle Blow Torch; Very Sturdily Built; Has a Bronze Burner with Long Under Flow which Perfectly Generates Present Day Fuel; Cast Handle Brackets and Substantial Handle Grip; Self Lubricating Pump; Bronzed Brass Tank with Steel Bottom; Capacity One Quart; Burns Gasoline Only; Has Removable Soldering Copper Holder; Pump in Body; Wood Handle

Grip with Handle Brackets Solidly Riveted to Torch Body; Height Over All, 8½ inches; Diameter at Base, 5½ inches.

Each

No. ND150—Weight Each, 4 lbs..... **\$5.00**
One in a Shipping Carton

This Shapleigh model No. ND150 torch was also made by the Turner Brass Works.



The catalog illustrations in the pages following, which are believed to be from 1923 and 1929, and the above extract from a 1935 catalog, became available only after *More Vintage Blowtorches* had gone to print, and are presented here for the first time. Note also the torches offered and identified as from Turner, C&L, and Lenk. Shapleigh also offered the Burgess “GEM” soldering furnace as a model GMF.

The Shapleigh illustrations in *Vintage Blowtorches (VB)* are from an earlier catalog. Comparison with figures from Bernz catalogs of known dates, suggests that it was from circa 1916 rather than 1926 as indicated in *VB*.

SOLDERING FURNACES

*NORLEIGH DIAMOND



Burns Gasoline or Kerosene

Heavy Galvanized Steel Tank, Seamless, Except Around Bottom which is Strongly Soldered and Protected by Malleable Iron Ring; Neverleak Brass Pump with Double Check and Positive Closing Needle Valve; Funnel Shaped Filler Opening; Flat Burner Giving Intensely Hot Flame, Free from Smoke; will Quickly Heat Heavy Irons and a Pot of Metal at Same Time; top Section may be Removed and Open Flame Used as a Torch for Brazing, Melting Out Lead Joints, Thawing Frozen Pipes, etc.

No. NDF5—Capacity One Gallon; Height 12 inches; Diameter of Base 8 1/2 inches; Weight Each 12 1/2 lbs. **\$21.00**

No. NDF7—Capacity Nine Pints; Height 12 1/2 inches; Diameter of Base 10 inches; Weight Each 16 1/2 lbs. **23.00**
One in a Wood Box



CLAYTON & LAMBERT

Burn Gasoline or Kerosene

Improved Double Blunt Needle Fire Pot is Noiseless, Smokeless, and Odorless. Has Sub-flame for the Generator which permits the Heating Flame to be Turned Low when not in use. Burner has Double Heating Services Producing Intensely Hot Blue Flames, which Burn from Each Side to the Center. Heats 8 lb. Coppers while Melting a Pot of Metal. Tank is Made of Drawn Steel, Tinned Inside and Out to Prevent Rust.

No. 72—Capacity Six Pints; Weight Each 13 1/2 lbs. **\$22.30**
No. 71—Capacity One Gallon; Weight Each 14 1/2 lbs. **24.50**
One in a Box

FIRE POTS

*NORLEIGH DIAMOND



Burns Gasoline Only

Heavy Galvanized Steel Tank; Funnel Shaped Filler Opening; Brass Nuts, Plug and Fittings; Extra Heavy Pipe Coils; Brass Neverleak Pump with Double Check; Removable Hood.

No. NDFC—Capacity One Gallon; Height 17 inches; Diameter of Base 7 1/2 inches; Weight Each 14 lbs. **\$15.00**
One in a Box



*NORLEIGH DIAMOND



Heavy Galvanized Steel Tank; Funnel Shaped Filler Opening; Brass Nuts, Plug and Fittings; Extra Heavy Pipe Coils; Best Quality Rubber Bulb and Hose; Removable Hood.

No. NDFB—Capacity One Gallon; Height 17 inches; Diameter of Base 7 1/2 inches; Weight Each 14 lbs. **\$13.50**
One in a Box

FIRE POTS

*NORLEIGH DIAMOND



Burns Kerosene Only



Fitted with Snail Burner; which Produces a Clear Blue Flame, Free from Smoke and Odor; to Clean Burner, Simply Remove Snail with Wrench Furnished with Furnace, Knock off Carbon, Re-insert Snail and Furnace is Ready for Use; Fitted with Neverleak Pump with Double Check; Heavy Seamless Steel Tank, Reinforced on Bottom with Malleable Ring; Tank has Funnel Shaped Filler Opening.

No. NDFK—Capacity One Gallon; Height 17 inches; Diameter Base 7 1/2 inches; Weight Each 17 lbs. **\$30.30**
One in a Box

CLAYTON & LAMBERT

Burns Gasoline Only



Heavy Galvanized Iron Tank Fitted with Galvanized Cast Iron Top Plate and Bottom Ring; Brass Nuts, Plug and Fittings; Cast Steel Burner; Extra Heavy Pipe Coils; Needle Point Valve Fitted with Stuffing Boxes are Always Tight and Give the user Perfect Control of the Fire.

No. 10—Capacity One Gallon; Weight Each, 13 lbs. **\$13.50**
One in a Wood Box

SOLDERING FURNACES

GEM

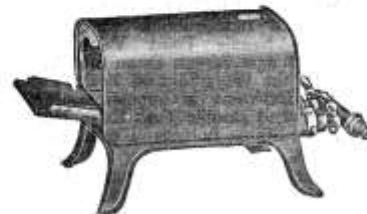
Burns Gasoline Only



The Heat is Distributed the Full Length of Coppers by a 4 inch Burner; Gas is Generated Without Smoke or Odor; will Take all Sizes of Coppers; Copper Rest Plate is but 5 inches from Workmans Bench.

Galvanized Steel Reservoir, with Regulating Valve; 21x7 inch Sheet Steel Base, Black Enameled; Improved Slotted Cast Iron Burner.

No. GMF—Capacity Three Quarts; Height Over All 14 1/2 inches; Weight Each 20 lbs. **\$26.60**
One in a Crate



*NORLEIGH DIAMOND



GAS

Consumes About 8 Feet of Gas per Hour Cast Iron Base and Burners; Polished Steel Top; Brick Lined; Burners are Drilled, and are Operated with Stop Cock and Adjustable Air Mixer; Very Economical.

No. GTF1—One Burner; Length 11 inches; Width 5 inches; Height 7 inches; Weight Each 9 lbs. **\$6.70**

No. GTF2—Two Burners; Length 11 inches; Width 6 1/2 inches; Height 7 inches; Weight Each 12 lbs. **8.00**
One in a Box

TINNERS STOVES



For Charcoal

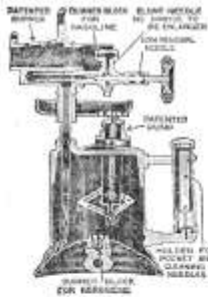
The Fire Pot is Constructed so that the Ashes Fall into a Pan Beneath the Coal, Keeping the Fire Clear and the Draft Good. Light and Easy to Carry.

Sheet Iron Body, Japanned; Cast Iron Base, Top, Legs and Door; Heavy Wrought Iron Bail.

No. P2—Height 15½ inches; Diameter 8 inches; Weight Each 180 lbs. **\$16.00**
Loose

BLOW TORCHES
*NORLEIGH DIAMOND

TRADE MARK REGISTERED  IN THE U. S. PAT. OFFICE



Burns Gasoline or Kerosene

Fitted with New Style Burner, Having Blunt Needle, Absolutely Overcoming the Possibility of Enlarging the Gas Orifice, a Fault Common to Most Torches; Needle Cannot be Removed, without Removing Stuffing Nut, a Safety Feature; Neverleak Pump in Body of Torch; Handle Forms Holder for Cleaning Tool and Needle; Burner Comes Fitted with Block for Burning Gasoline; to Burn Kerosene, Remove Gasoline Burner Block Marked "G" from Burner and Replace with Kerosene Burner Block, Marked "K" which is Located in Filler Plug; Complete with Soldering Copper Holder; Large Drip Cup.

No. NDB10—Capacity One Quart; Height Over All 10 inches; Diameter of Base 5½ inches; Weight Each 5½ lbs. **\$15.30**
One in a Box

Burns Gasoline or Kerosene

Fitted with Indestructible Compression Pump and Needle Point Valve, with Shoulder; Plunger Screws Down into Valve Seat out of the Way; Shut off Positive and Accidental Explosion is Impossible; Made with Reinforced Double Top; Extra Heavy Base with Brass Button; Extra Strong Throughout.

For Light Brazing on Wires up to ¾ inch in Diameter or Expanding Rings that are Shrunk on.

Polished Seamless Brass Tank; Bronze Metal Burner; Air Pump in Tank; Needle Point Valve, with Shoulder; Large Drip Cup.

No. NDB1—Capacity One Quart; Height Over All 9¾ inches; Diameter of Base 5½ inches; Weight Each 5½ lbs. **\$16.00**
One in a Box



BLOW TORCHES

*NORLEIGH DIAMOND

TRADE MARK REGISTERED  IN THE U. S. PAT. OFFICE

Burns Gasoline Only

Brass Pump, with Double Check Fitted into Body of Torch; Bronze Burner; Extra Large Drip Cup; Heavy Brass Body, Well Reinforced; Complete with Soldering Copper Holder.



No. NDB3—Capacity One Quart; Height Over All 9 inches; Diameter Base 5½ inches; Weight Each 4¾ lbs. **\$14.40**

No. NDB4—Capacity One Pint; Height Over All 8 inches; Diameter Base 4½ inches; Weight Each 3½ lbs. **13.00**
One in a Box

Burns Gasoline Only

Brass Pump with Double Check, Forming Handle of Torch; Burner Fitted with Removable Soldering Copper Holder; Brass Tank; Large Drip Cup.



No. ND1—Capacity One Quart; Height Over All 9 inches; Diameter Base 5½ inches; Weight Each 4 lbs. **\$12.30**

No. ND2—Capacity One Pint; Height Over All 8 inches; Diameter Base 4½ inches; Weight Each 3 lbs. **10.80**
One in a Box

Burns Gasoline Only

Brass Pump with Double Check, Forming Handle of Torch; Burner Complete with Removable Soldering Copper Holder; Brass Tank; Large Drip Cup; A Good Torch at the Price.



No. ND7—Capacity One Quart; Height Over All 9 inches; Diameter Base 5½ inches; Weight Each 4 lbs. **\$9.00**

No. ND8—Capacity One Pint; Height Over All 8 inches; Diameter Base 4½ inches; Weight Each 3 lbs. **8.00**
One in a Box

FLAT AUTO TORCHES

Burns Gasoline or Kerosene

Largely Used by Automobileists and Electrician in Narrow Places; Bottom Support Prevents Tipping.

Polished; Seamless Brass Tank and Handle; Bronze Metal Burner; Air Pump in Handle; Needle Point Valve; Large Drip Cup.



No. NDA—Capacity One Pint; Height Over All 8 inches; Size of Body 6x6½ inches; Weight Each 5 lbs. **\$15.00**
One in a Box

SOLDERING FURNACES

Neverleigh Diamond

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.



Burns Gasoline or Kerosene

Heavy Galvanized Steel Tank, Seamless Except Around Bottom which is Strongly Soldered and Protected by Malleable Iron Ring; Neverleak Brass Pump with Double Check and Positive Closing Needle

Valve; Funnel Shape Filler Openings; Flat Burner, Free from Smoke; will Quickly Heat Heavy Irons and a Pot of Metal at Same Time; Top Section may be Removed and Open Flame Used as a Torch for Brazing, Melting Out Lead Joints, Thawing Frozen Pipes, etc.; Capacity Nine Pints; Height, 12 1/2 inches; Diameter of Base, 10 inches.

Each
No. NDF7—Wt. Each, 16 1/2 lbs. \$16.80 20.60
One in a Wood Box

BLOW TORCHES

Neverleigh Diamond

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.



Burns Gasoline or Kerosene

Fitted with New Style Burner, Having Blunt Needle, Absolutely Overcoming the Possibility of Enlarging the Gas Orifice, a Fault Common to Most Torches; Needle Cannot be Removed, without Removing Stuffing Nut, a Safety Feature; Neverleak Pump in Body of Torch; Handle Forms Holder for Cleaning Tool and Needle;

Burner Comes Fitted with Block for Burning Gasoline; to Burn Kerosene, Remove Gasoline Burner Block Marked "G" from Burner and Replace with Kerosene Burner Block Marked "K" which is Located in Filler Plug; Complete with Soldering Copper Holder; Large Drip Cup; Capacity One Quart; Height Over All, 10 inches; Diameter of Base, 5 1/2 ins.

Each
No. NDB10—Weight Each, 5 1/2 lbs. \$10.80 18.00
One in a Box



Burns Gasoline or Kerosene

Fitted with Indestructible Compression Pump and Needle Point Valve, with Shoulder; Plunger Screws Down into Valve Seat out of the Way; Shut Off Positive and Accidental Explosion is Impossible; Made with Reinforced Double

Top; Extra Heavy Base with Brass Button; Extra Strong Throughout.

For Light Brazing on Wires up to 3/8 inch in Diameter or Expanding Rings that are Shrunk on.

Polished Seamless Brass Tank; Bronze Metal Burner; Air Pump in Tank; Needle Point Valve, with Shoulder; Large Drip Cup. Capacity One Quart; Height Over All, 9 3/4 inches; Diameter of Base, 5 1/2 inches.

Each
No. NDB1—Weight Each, 5 1/2 lbs. \$12.60 20.90
One in a Box

GEM

Burns Gasoline Only



Heat is Distributed the Full Length of Coppers by a 4 inch Burner; Gas is Generated Without Smoke or Odor; will Take all Sizes of Coppers; Copper Rest Plate is but 5 inches from Workman's Bench.

Galvanized Steel Reservoir with Regulating Valve; 21x7 inch Sheet Steel Base, Black Enamelled; Improved Slotted Cast Iron Burner; Capacity Three Quarts; Height Over All, 14 1/2 inches.

Each
No. GMP—Weight Each, 20 lbs. \$26.60
One in a Crate

BLOW TORCHES

Neverleigh Diamond

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.



Burns Gasoline Only

Brass Pump, with Double Check Fitted into Body of Torch; Bronze Burner; Extra Large Drip Cup; Heavy Brass Body; Well Reinforced; Complete with Soldering Copper Holder; Capacity One Pint; Height Over All, 8 inches; Diameter Base, 4 1/2 inches.

Each
No. NDB4—Weight Each, 3 1/2 lbs. \$9.60 16.00
One in a Box



Burns Gasoline Only

Brass Pump with Double Check, Forming Handle of Torch; Burner Fitted with Removable Soldering Copper Holder; Brass Tank; Large Drip Cup. Capacity One Pint; Height Over All, 8 inches; Diameter Base, 4 1/2 inches.

Each
No. ND2—Weight Each, 3 lbs. \$9.60 15.00
One in a Box



Burns Gasoline Only

Brass Pump with Double Check, Forming Handle of Torch; Burner Complete with Removable Soldering Copper Holder; Brass Tank; Large Drip Cup; A Good Torch at the Price.

Nos.	Capacity,	Ht. Over	Diam. Base,	Wt. Ea.,	Each
	All, ins.	ins.	ins.	lbs.	
ND7	1 Qt.	9	5 1/2	4	\$6.50
ND5	1 Pt.	8	4 1/2	3	6.00

One in a Box

BLOW TORCHES

Neverleigh Diamond

TRADE MARK REGISTERED IN THE U. S. PAT. OFFICE.



Burns Gasoline Only

Pump in Body; Double Check; Burner Complete with Removable Soldering Copper; Brass Tank; Large Drip Cup, A Strong Substantial Torch Throughout; Capacity One Quart; Height Over All, 9 inches; Diameter Base, 5 1/2 inches.

Each
No. ND17—Weight Each, 4 lbs. \$6.50
One in a Carton



Burns Gasoline Only

Used by Automobile Mechanics and Linemen to Get in Narrow, Tight Places; A Convenient Torch to Carry in Tool Kit; Provided with Swivel Base Attachment to Prevent Tipping; Soldering Iron Holder; Capacity 1 Pint; Polished; Seamless Brass Tank and Handle; Height Over All, 8 1/2 inches; Size of Tank, 3 1/2 x 5 inches.

Each
No. 41—Weight Each, 4 lbs. \$8.50
One in a Carton



Burns Gasoline Only

Oxidized Steel Body; Reinforced Top and Bottom; Pump in Handle; Hook and Rest on Top of Burner for Holding Soldering Iron. Throws a Very Strong and Powerful Blue Flame.

No. 200 Has a Soldering Iron Holder, While No. 120 is Without One.

Nos.	Capacity,	Hgt. Over	Diam. Base,	Wt. Ea.,	Each
	Pts.	All, ins.	ins.	lbs.	
150	1 1/2	11 3/4	5 3/4	2 3/4	\$7.20
200	2	11 3/4	5 3/4	3 1/4	8.00

One in a Box

CLAYTON & LAMBERT



Burns Gasoline Only

Polished Seamless Brass Tank; Black Japanned Heavy Steel Cushion Band at Bottom of Tank; Soldered Concave Bottom; Black Japanned Sharp-edged Wood Handle; Aluminium Handle Bracket; Cast Brass Burner; Air Pumps in Tank; Cast Iron Drip Cup and Pipe; Removable Solder Iron Holder on Burner.

Nos.	Capacity,	Ht. Over	Diam. Base,	Wt. Ea.,	Each
	All, ins.	ins.	ins.	lbs.	
32	1 Qt.	11	5 3/4	5 1/2	\$10.80 18.00
38	1 Pt.	10 3/4	4 3/4	3 1/2	10.20 17.00

One in a Box

c1929 BLOW TORCHES



TURNER
Burns Gasoline or Kerosene

Double Jet Burner Produces High Degree of Heat; Pump has Positive Check and Safety Air Release; Pump Leather Automatically Lubricated; Body of Heavy Gauge Brass; Suitable for Light Brazing in Addition to all Ordinary Use of a Blow Torch; Capacity One Quart; Height Over All, 8 $\frac{1}{2}$ inches; Diameter Base, 5 $\frac{1}{2}$ inches.

Each
No. 92—Weight Each, 4 $\frac{1}{2}$ lbs. . . . \$11.90 14.15
One in a Box



TURNER MASTER LINE
Burns Gasoline or Kerosene

Bronze Burner Specially Constructed with Baffle to Better Generate Low Grade Gasoline and Kerosene; Producing a High Degree of Heat; Shut Off and Needle Valves Separate, Eliminating

a Common Cause of Torch Troubles; Tank is of Heavy Brass and has but One Opening, which is on Top, Making it Impossible to Overfill and Reducing the Possibility of Leaks; Pump has Positive Check and Safety Air Release; Pump Leather Automatically Lubricated; Complete with Soldering Copper Holder; Capacity One Quart; Height Over All, 9 inches; Diameter Base, 5 $\frac{1}{2}$ inches.

Each
No. 45—Weight Each, 4 $\frac{1}{2}$ lbs. . . . \$11.40 13.00
One in a Box



TURNER

Bronze Burner Specially Constructed with Baffle to Better Generate Low Grade Gasoline and Kerosene; Producing a High Degree of Heat; Shut Off and Needle Valve Separate, Eliminating a Common Cause of Torch Trouble;

Tank is of Heavy Brass and has but One Opening, which is at the Top, Making it Impossible to Overfill and Reducing the Possibility of Leaks; Pump has Positive Check and Air Release; Pump Leather Automatically Lubricated; Complete with Soldering Copper Holder. Capacity One Quart; Height Over All, 9 inches; Diameter Base, 5 $\frac{1}{2}$ inches.

Each
No. 43—Weight Each, 4 lbs. . . . \$10.00 12.00
One in a Box

BLOW TORCHES

LENK IMP
Burns Gasoline



All Brass, Nickel Plated; is Entirely Automatic; no Pump or Valve; Burns Two Hours with One Filling; Produces a Perfect Bunsen Flame of Over 2000 Degrees Fahrenheit; Size, 7 x 1 $\frac{1}{2}$ inches.

Each
No. 175—Weight Each, 4 ozs. . . . \$2.30
One in a Carton



LENK AUTOMATIC NEW MODEL
Burns Alcohol

All Brass, Nickel Plated; No Pumping, Priming or Blowing; Non-Leakable and Produces a Flame Heat of 1400 Degrees. For Electricians, Motorists, Mechanics, Radio Workers; Size, 5 $\frac{1}{2}$ x 2x1 inches.

Each
No. 15—Weight Each, 4 ozs. . . . \$2.00
Six in a Handsome Display Carton



LENK IMPROVED
Burns Alcohol

Has Extension Base; Screw Top for Loading; Nozzle Cap Prevents Evaporation; Copper Heat Conductor Generates Quickly Blows Itself; Solid Base Makes it Mechanically Leak-Proof; Large Fuel Barrel; Size, 6 $\frac{1}{2}$ x 2 $\frac{1}{2}$ x 1 $\frac{1}{4}$ inches.

Each
No. 660—Weight Each, 8 ozs. . . . \$2.20
Six in a Carton



CHAMPION

Brass, Nickel Plated and Polished; All Parts Interchangeable; Has Detachable Shield for Protection from Drafts; Blows Itself; Operates About Three Hours on One Filling; Produces Flame Heat 1700 Degrees Fahrenheit; Sturdy Construction; Size Over All, 7x3 $\frac{1}{4}$ inches; Tank Diameter, 2 inches.

Each
No. 300—Weight Each, 13 ozs. . . . \$4.00
One in a Carton
Six in a Shipping Container

BLOW TORCHES

LENK DE LUXE ASSORTMENT



Has One Each, Nos. 300, 175, 15, 660, and 20 Mounted on Mahogany Display Board, Beautifully Finished; No Extra Charge for Board.

Each
No. 40—Weight per Assortment, 3 lbs. . . \$14.50
One in a Box



JUMBO
Burns Alcohol

All Brass, Nickel Plated; Ebony Finish Mouthpiece on Rubber Tube; Produces Intensive Heat; Sootless Flame, Size, 6x1 $\frac{1}{4}$ inches.

Each
No. 100—Weight Each, 3 ozs. . . . \$1.40
Six in Carton With Display Card

SOLDERING SETS



Sets Contain One 9 $\frac{3}{4}$ inch Soldering Copper with Hardwood Handle, Box of Rosin and a Piece of Tin.

Per Dozen Sets
No. XX—Weight per Dozen Sets, 3 $\frac{3}{4}$ lbs. . \$3.70
Twelfth Dozen in a Box

CLASSIFIED ADS

WANTED: Charles Smith is seeking early White Mfg. Co. pump knobs with their attached pump assemblies, and shut-off knobs with their attached threaded steel rods. The knobs are brass, outer margin knurled, 1 1/8 inch in diameter and about 1/8 inch thick. Examples are shown under Gleason on page 195 and under White on pages 430-431 in *Vintage Blowtorches*. Please contact Charles at: ccsmith2@charter.net.

FOR SALE: Mark Wright has approximately 125 blow torches for sale. He owns a variety of Clayton & Lambert, Bernz, Turner, Diener, Lenk and other known manufacturer's torches....some are very rare and not listed in either blow torch book. For more information you can reach Mark at 303-940-9869, or email to MARKWWRIGHT@HOTMAIL.COM, or in a couple weeks watch for them to be posted on eBay.

FOR SALE: Richard Carter has over eighty different types of blow torches for sale. No details were made available, so if interested please contact Richard for more information. You can call him at 978-768-7756 or write to 8 Apple Street, Essex, MA 01929.

FOR SALE: Carl Oxley's widow is selling off his modest collection of torches. Unfortunately his most valuable torch, a Z&W, was sold on eBay; however there are a few other torches worth considering. There remains a Turner No. 45A and what appears to be a pre-1910 Clayton & Lambert. For more information, you can contact Shirley Oxley, 6434 Amherst Circle, Ashtabula, OH 44004.

THE TORCH

Official publication of the Blow Torch Collectors Association is published
three times per year; March, June, & December.

Editor
Contributing Editor
Contributing Editor

Ronald M. Carr
Graham Stubbs
Dr. Charles Smith

THE PURPOSE of BTCA is to preserve the history of blow torches and related equipment, to encourage the identification, classification, and exhibiting of such equipment, also to promote the study and better understanding of operation, purpose, and application.

Membership in BTCA is open to any person sharing its interests and purposes. For membership information, write to: Blow Torch Collectors Association, 6908 April Wind Avenue, Las Vegas, NV 89131-0119, email to: RONLV@cox.net, or by phone: 702 395-3114.

THE TORCH encourages contributions from anyone interested in our purpose. Articles can be submitted in any format and should include supportive literature whenever possible. All submittals should be sent to Ron Carr at the above address.

No part of THE TORCH may be copied or reproduced without the written consent of BTCA.

COPYRIGHT MARCH 2011



A Swiss Lyss Blow Lamp from the Michel Duval Collection.



Various Blow Lamp Related Items from the Michel Duval Collection.