



N.J.B.A. Newsletter

Volume 4, Issue Number 4

Y2K is in the past!!

We made it! The horn didn't fall off my anvil, the handles off my hammers. Although I broke the handle to my 20# sledge, I think it had more to do with the age of the handle than the date of the year. It could be the plow frame I was straightening won this time. Well we're in a new year, a new decade, a new millennium. The anvils still work, the coal still burns, so lets get something hot and hit it!!

Upcoming events for 2000;

February: Chain link workshop (For the ABANA chain project) and T-shirt printing workshop at Marshall's shop, Sunday, Feb. 27th, 10 am. Lunch provided. IITH and tailgating. Directions on Page 3.

March: Joint meet with The Furnace Town Blacksmith Guild on March 25, 2000 with Bob Bergman. See details on page 2.

April: Doug Learn has set up a joint meet with PABA for a tour of the Mercer Museum in Doylestown, Pa. Saturday 15 April, 2000 See details below.

May: Meeting at Alex Parubchenko's Shop in Trenton on Sunday May 21, from 10 am—1 pm. See details on page 2 for directions.

June: Possible meet in Cold Spring Village

July / August: Smithing Magician Workshop

November: Possible meet in Peters Valley

April Meet At The Mercer Museum

The April meeting of NJBA will be a joint meeting with the Pennsylvania Artists Blacksmith Association, to be held on Saturday 15 April, 2000 at 10:00 AM at the Mercer Museum, 84 South Pine

Street, Doylestown, PA. Admission to the Museum is \$4.00. We will have a guided tour of the Museum, with emphasis on the blacksmithing display and a behind the scenes look at the wood-working collection. Also there is the Spruance Library of the Early American Industries Association, one of the best Early American technology libraries in the United States. After the museum tour, we will adjourn to my house (121 Pebble Hills Drive) for lunch, iron-in-the-hat, and other activities. Please make plans to attend, see one of the best and certainly the most unique collections of Americana anywhere, and meet your fellow smiths from the Keystone State. For information on the museum, go to <http://www.mercermuseum.org/>, or call 215-345-0210. My number is 215 489-1742, or cjfdlearn@mindspring.com. Hope to see you there.

Directions: From New Jersey, cross the Delaware to the PA Turnpike and exit at Willow Grove. Go North on 611 to Doylestown, exiting right just after the intersection with Edison-Furlong Road and immediately past a mountain of firewood onto the local route (old 611, Main Street). Proceed north approximately 1.5 miles and turn right at the first light at East Ashland Street then immediately right onto Green Street. The Museum is right in front of you when you make the turn onto East Ashland Street. The parking lot is off Scout Way (turn left just past the Museum).

Directions to my house: From the Museum parking lot, turn left onto Green Street. Pass under the 202 Bypass and turn right onto Turk Road (0.45 miles). Go approximately 0.5 miles and turn left onto Pebble Hills Drive (at the bottom of a small hill). The house is on the right about 0.25 miles from the Turk/Pebble Hills intersection.
Doug Learn

New Jersey Blacksmiths Newsletter

March Meeting With Furnacetown Blacksmith Guild

Bob Bergman + KA75 air hammer will be demonstrating on 25 March 2000. We are having the lunch catered and the cost of the lunch will be included with the day's registration cost. There will be a catered supper starting at 6 pm with a similar menu as last year. Some details need to be worked out but the cost will be around \$14 per person. Nana Schowalter will talk and present slides of her work after dinner. Bob will be leading a workshop on Sunday on the making and using of tools for the power hammer. At this time there may not be any openings available. We will require pre-registration this year so that we can have an accurate head count for lunch. A group of local Mennonites will be doing the lunch for us. I expect the cost of the meeting to be between \$15 and \$17.50 per person. Contact: Bruce Freeman, below.

May Meet at Alex Parubchenko's Shop In Trenton

The meet will be from 10 am—1 pm. We will most likely to meet for lunch at a local establishment for lunch after the meet.

Directions: You can get to Olden Ave., Trenton, from US Route 1 (Trenton Freeway) or from Interstate Route 295 or via Arena Drive from Interstate Route 195. From US 1, go SE about 1/2 mile to the shop. From I 295, go NW about 2 miles to the shop. From I 295 go NW about 2 miles, where Arena joins Olden, and then about 2 miles NW on Olden to the shop. The shop is at **334 N. Olden Ave.** There is a vacant lot next door where you can park. (Phone: 609-396-9583)

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13 Old Monmouth Rd., Freehold, NJ 07728
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Greg Phillips, Director until 2002
(914) 457-5671, Acorn Forge, 937 Route 17k,
Montgomery, NY 12549 suresign@frontiernet.net

February Meet At Marshall's

Marshall will be hosting a meet so all that desire to participate in the ABANA chain project can come and learn to make a chain link, practice forge welding. These links can be made fancy or plain, by experienced and non experienced smiths. The idea is that the group organizing this, The Saltfork Craftsmen, will assemble all the chain links and pieces sent to them for the conference and the resulting chain will be sold at auction. We will also be trying to organize printing NJBA T-shirts. If so part of the day will be spent in this endeavor.

Directions: Take any N-S route to Route I-195, to Route 9, travel North a few miles to Casino Drive. Marshall's farm is at 663 Casino Dr. Approximately 1/4 mile east of Route 9, on the right.

November Meet At

Peters Valley

Twenty members and prospective members attended the 14 November meeting at Peters Valley. In the morning, John Rais, resident blacksmith at Peters Valley, gave a demonstration of sinking steel sheet to make bowls. Starting with a 10 inch circle of 1/4" plate, he heated the plate in the coal forge and used a sinking tool made from a piece of 4" SCH 40 pipe to begin the dish. The tool has a upset and peened over lip to prevent marring the work.

John got the idea for the tool from Tom Joyce, and can be seen in the latest issue of Anvil Magazine in the interview with Tom. John held the piece with farrier's tongs, which hold well on flat stock but allow rapid manipulation of the material. By working the plate on the tool with a round faced hammer, John sank the plate by "forging on air", never hitting the same place twice and avoiding hitting the lips of the sinking tool.

He started in the center to establish the dish, working out in successive heats to establish a concentric dish and remove any uneven spots. Holding the dish up and rotating it in good light reveals any flat spots and irregularities. Once the plate was roughed out, planishing blows can be used to smooth the plate, either using the sinking tool or the face of the anvil, depend-

ing on the ultimate finish desired. The lip of the dish can be decorated by upsetting, peening or any other method. John showed several examples of this work, using several thicknesses of material and finishes. Thinner stock can almost be worked cold, but the thicker stock gives a more substantive look and feel to the piece. Either can work, depending on the desired appearance and feel for the piece.

After lunch, Iron in the Hat brought great interest from the crowd, the result being \$233 in the treasury. The highlight was an apple cake, donated by the bride of Tim Suter, won by Hector. Afterward, John hosted the group in his private studio space, discussing several commissions he has for the winter and early spring. The repaired anvil and two forge hoods for Peters Valley were also delivered by David Macauley in the early afternoon.

Thanks to John for the opportunity to visit Peters Valley and to all the participants for joining in a great day of blacksmithing.

Thanks to **Doug Learn** for the report on this event.

December Holiday Party

Although short notice was given, there was a good turn out of about 10 - 12 people at the holiday party hosted by Marshall and his wife Jan. The food and fellowship were excellent and we wish to extend our heart felt gratitude and thanks to Marshall and Jan for their hospitality.

Open Forges

We want to encourage all to join us at:

Monday Night Open Forge in N.J.

Marshall Bienstock is hosting an open forge in his shop at 7 pm almost every Monday night (Please call ahead on holidays to make sure , (732)780-0871)

Monday Night Open Forge

In Orange County

Greg Phillips will be hosting an open forge in his shop in Orange Co. NY. For more information Contact: Greg Phillips, Acorn Forge, 937 Route 17k, Montgomery, NY 12549, (914) 457-5672, Suresign@frontiernet.net

Open Forges continued next page;

New Jersey Blacksmiths Newsletter

Open Forges; continued

Tuesday Night Open Forge on L.I.

On Tuesdays, an open forge will be available at Jon Folk's shop in Central Islip. The forge is open to all N.J.B.A. members only every Tuesday from 3:00 pm to 8:00 pm. For information and directions, call (516) 625-5667

Touchstone Center for Crafts

R.D.#1, Box 60, Farmington, PA 15437
(724)329-1370 Fax: (724)329-1371

John C Campbell Folk School

One Folk School Rd.
Brasstown, NC 28902
1-800-365-5724 www.folkschool.com

Meets And Events Outside Of NJBA

Blacksmiths guild of the Potomac,
Spring Fling, April 14-16

Arlington, Va. ~~Warrenton~~, VA.

There will be a special demonstrator this year, and attendance will be limited, so get your registration form returned as soon as you can after you receive it.
Contact: Fay LeCompte (540) 743-1812 or
Tom Coker (301) 937-6538

Northeast Blacksmiths Meet

At Ashokan Field Campus,

Olivebridge, NY

The dates are the 5th, 6th & 7th of May. The Spring meet is always the first weekend in May, the Fall meet is always the first weekend in October. This meet will be a casting Demo and workshop led by Lory Wedow. This should be an event not to be missed.

Contact: Tim Neu (914) 657-8333

Carl Davison <carlrd@worldnet.att.net>

Blacksmithing

Workshops and Classes:

Peters Valley Craft Education Center

19 Kuhn Rd., Layton, NJ 07851 (973)948-5200
pv@warwick.net Http://www.pvcrafts.org/

Academy of Traditional Arts

Carrol County Farm Museum

500 South Center St. Westminster, MD 21157
(410)848-7775 (410)876-2667



Unclassified ad:

Wanted for my collection, eventually to be displayed with the Fisher & Norris archives:
Any Fisher & Norris anvils or vises.

Will buy outright or trade for post vises.

Over 20 post vises to choose from.

Contact Joshua Kavett

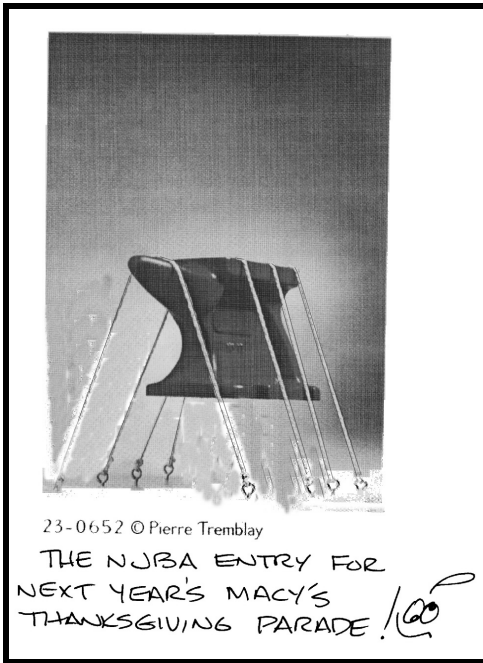
732-431-2152 E-mail: jakavett@aol.com

Editors corner

The schedule for publishing newsletters that I will try to keep to, is an issue in December, March, June and September. I have posted the newsletter to the web for the use of other editors. This is to try to cut down on the mailing costs to the many other chapters. I will make the newsletter available to the membership this way if anyone desires. The web site uses standard HTML fonts and formatting so it will look a little different.

Remember if you do a project and want to share it or see interesting ironwork and want to let others know where it is let me know, (718)967-4776.

Bruce, having so much free time after stepping down as editor, is working with the new ABANA web site to host a web site for us under their chapter page using our domain name, NJBlacksmiths.com. Our site will be a place to post upcoming events, show pictures of past events and galleries of members work. Thanks to Bruce for his work in this endeavor.



Our Scrap Corner

Send something in and help keep it full

Gas Forge Modifications;

I have a NC Whisper Daddy, three burner forge. I wanted the size capacity for larger pieces but I also do a lot of smaller work. It is a given that these are gas hogs, so I modified mine for economy when doing small work. With judical miter cuts I was able to make three single jet manifolds from the original three jet manifold. With 3/4 gas pipe I made a manifold with three 3/8 nipples that mounted to the existing manifold bolts. I bought two ball valves like the original, mounted the three to the manifold nipples and connected them to the burners with a loop of stainless tube. Now I have a one, two or three burner forge with easier to control heat and by placing fire bricks in the unneeded portion it is a very efficient one burner outfit for small work.

Tim Suter

Chinese anvils for sale;

This is not an ad for Fazzio's. (although it is my favorite candy store) It is a point of information for those still looking to buy an anvil. They have recently stocked a large number of anvils. These are cast steel from China, unfinished as cast. A few hours of judical grinding would make them serviceable. I checked some of them with a hammer, they seemed to have adequate rebound and good ring. I don't know about the hardness of them but if I needed an anvil I would chance hardening the surface with a rose bud and quenching with a water hose (ala hammer head) if needed. At the price I think they are a good gamble if you can't find the Peter Wright, Hay Budden or Fisher you lust for.

101# \$69.50, 141# \$79.50, 203# \$112.50,
83# \$189.50, 503# \$269.00

In case you are not familiar with **Fazzio's Contractor Supplies**, they are located;

East of Glassboro, NJ on Cross Keys Road
halfway between Delsea Drive, (New St. at
Delsea Dr.) and Cross Keys.

Phone # 856-881-3185

Found and reported by **Tim Suter**

Artisans are invited to demonstrate

and sell their crafts at Smithville Park,
Easthampton, Burlington County

This is a publicized event, photographs
of crafts are required with registration.

For more information and an applica-
tion. Please call (609) 265-5068

ABANA Demonstrators List

If you want to be listed as a
demonstrator on the new list you
must have an application in before ;

March 15, 2000

Rather than use up a page of the newsletter, printing
the application, if you are interested contact me and
I will send you the application by fax, mail or e-mail.

Editor , Larry Brown (718) 967-4776

New Jersey Blacksmiths Newsletter

Peters Valley;

Letter of appreciation and

Reduced tuition offer

The following is the letter of appreciation from Peters Valley Craft center for the donation of two side draft forge hoods and one repaired anvil. They are offering three reduced rate tuitions (50%) to our members. If you are interested send a letter **before April 1**, with your name, address, Phone# and desired class to;

NJBA, 222 Laurel Place, Neptune, NJ 07753.

Please read the following schedule and select a class that is appropriate to your skill level before applying. For more information Contact Peters Valley. If more than three applications are received the decision will be made by Peters Valley or drawn out of a hat. This offer is open to all members.

Peters Valley Craft Education Center 2000 Blacksmith Workshops

Courses are listed in order of dates offered.

Warm-up

John Rais

May 19-21 (3 days)

Tuition: \$244.00 Lab Fee: \$40.00

Damascus Steel Bladesmithing

J.D. Smith

May 26-30 (5 days)

Tuition: \$380.00 Lab Fee: \$75.00

Mining Tools of Metal: Aids to Interior Excavation

Daniel Miller

June 2-7 (6 days)

Tuition: \$420.00 Lab Fee: \$60.00

Smaller than a Breadbox

Frank Turley June 9-14 (6 days)

Tuition: \$420.00 Lab Fee: \$50.00

Hollow Construction

Sean Calyer

June 16-20 (5 days)

Tuition: \$380.00 Lab Fee: \$45.00

Edged Toolmaking

Phill Baldwin

June 23-27 (5 days)

Tuition: \$380.00 Lab Fee: \$75.00

Metal Works!

Paige Davis

June 30 - July 4 (5 days)

Tuition: \$380.00 Lab Fee: \$50.00

Gil Meeker

July 7-10 (4 days)

Tuition: \$312.00 Lab Fee: \$40.00

Forged Metals, Forged Sculpture

John Graney

July 14-18 (5 days)

Tuition: \$380.00 Lab Fee: \$75.00

Iron Furniture: Forms Beyond Function

Daniel Radven

July 21-26 (6 days)

Tuition: \$420.00 Lab Fee: \$55.00

Romancing the Vessel: Form, Meaning and Technique

Robert Griffith

July 28-31 (4 days)

Tuition: \$312.00 Lab Fee: \$45.00

Direct Metalsmithing

Peter Joseph

August 4-13 (10 days)

Tuition: \$600.00 Lab Fee: \$95.00

Production Blacksmithing

Doug Hendrickson

August 18-27 (10 days)

Tuition: \$600.00 Lab Fee: \$95.00

Titanium and Iron

John Rais

September 1-5 (5 days)

Tuition: \$380.00 Lab Fee: \$80.00

Sheet and Plate Forming with Copper and Steel

Ed Mack

September 8-10 (3 days)

Tuition: \$244.00 Lab Fee: \$60.00

Please contact Peters Valley for current course catalog:

Peters Valley Craft Education Center

19 Kuhn Rd., Layton, NJ 07851 (973)948-5200

pv@warwick.net [Http://www.pvcrafts.org/](http://www.pvcrafts.org/)

New Jersey Blacksmiths Newsletter



13 January 2000

Mr. Larry Brown, Editor/Director
NJ Blacksmithing Association
90 William Avenue
Staten Island, New York 10308

Dear Mr Brown:

The NJ Blacksmithing Association has been a wonderful source of support and encouragement for all of us at Peters Valley but especially to our Blacksmithing studio. The most recent example of your Association's generosity was the gift of two side-draft forge hoods, which were very much needed and appreciated by our studio. In addition, your members also refurbished an anvil, which was in great need of repair. The nice part about both these gifts was that both the anvil and the forge hoods were built and refinished at one of the Association's workshops.

We appreciate your members thinking of us even when they are not at our site. All of us at the Valley are very fortunate to have such a wonderful working relationship with your members. We appreciate all that the Association does for the Valley. Most importantly, we look forward to continuing our long history of working together. In this vein, we would like to offer another year of tuition awards to your membership. We would like to increase our offer to three 50% off tuition awards this year to NJ Blacksmithing Association members.

As always, we look forward to seeing you and your members around the Valley. Please let us know when you come by. Also let me know when you think we might work together to promote craft, blacksmithing or our organizations.

Thank you again and sincere best wishes,

Sincerely,

Kenneth Jones
Executive Director

cc: David Macauley, Assistant Editor

19 KUHN ROAD, LAYTON, NEW JERSEY 07851 (973)948-5200 FAX: (973)948-0011 WWW.PVCRAFTS.ORG
CONTINUING A TRADITION OF EXCELLENCE & INSPIRATION

Larry Brown, Editor Tim Suter, Assistant Editor David Macauley, Assistant Editor Page
Volume , Number

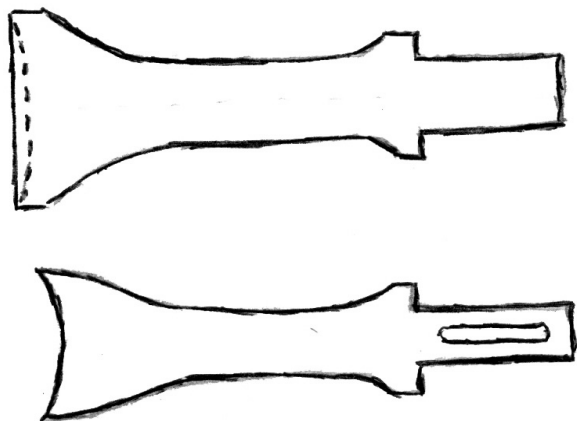
New Jersey Blacksmiths Newsletter

Northeast Blacksmiths Meet Oct 1- 3 1999, at Ashokan, NY

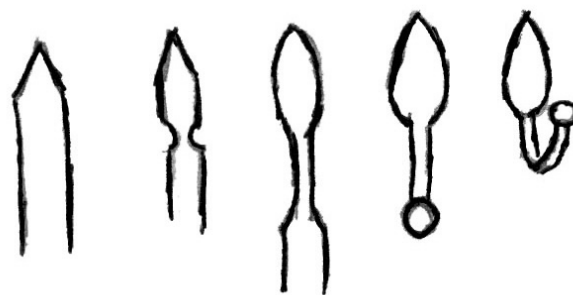
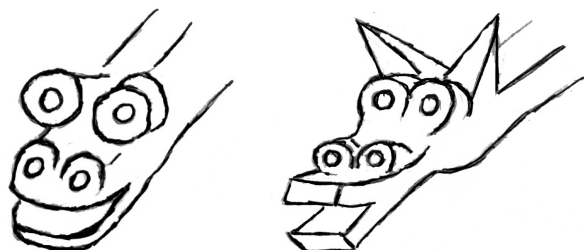
Glen Horr of Berkley springs, W.V. was the demonstrator at the fall meet of the North east Blacksmiths at Ashokan N.Y., Oct. 1-3.

The main part of the demonstration was the technique of forging with pneumatic (air) hammers. He recommended using a large bore pneumatic chisel of good quality. He was set up to use two different hammers at once off a manifold.

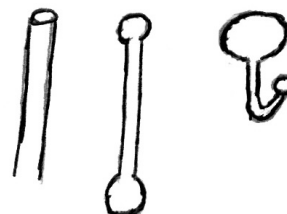
One air hammer had no bit retainer and the other had a 401 Parker shank retainer which keeps the chisel from turning. He also recommended using a large diameter hose and a manifold if using more than one tool. Ear protection is a must as is eye protection.



He had one chisel with a wide slightly convex face that he used for upsetting and several different ones for cutting and slitting. He also had a large collection of punches and fullers.



Forged aluminum coat hook



Forged brass coat hook

It was surprising to see how fast he was able to move metal this way. He made several animal heads very quickly. He also demonstrated using aluminum and brass for forging, making a coat hook and a leaf. He then made a basket handle poker and demonstrated a pineapple twist.

Glen has been an instructor at the Touchstone Center for Crafts

Tips and suppliers;

Using Hand held air hammer:

.401 SHANK (won't turn)

Eye & Ear Protection

Cutting, Upsetting, Carving Metal must be hot!

Hold tool securely

Use gloves when holding chisels

Keep tool and chisel pushed tightly to work

Start tool slowly at first "to set chisel to work"

Cool chisels in water

Be careful when using tool without retainer. Chisels can fly out.

Max air pressure 90 PSI

FRL=filter, regulator, lubricator Don't use a small hose.

New Jersey Blacksmiths Newsletter

Power Hammer:
Safety, check hammer before use, bolts, pins, die wedges
Oil guides, arms, etc.
Keep hands away from dies
Forge hot metal
Think about what you are doing

Chisels
Alloy: AISI# 9260
Quench at 1630° in warm oil
Draw to 4000 to 800°

Supplies;
Peistee
Box 1268
Wilmington, DE 19899

Ajax Tool Works (makes non-turn tools)
10801 Franklin Ave
Franklin Park, IL 60131

Air manifold
Manastrip Corp.
P.O. Box 210
Rexford, NY 12148 Tel: 518-399-0889 Fax: 518-399-0130

Hose couplings
Foster Mfg.
2324 West Battlefield
Springfield, MO 65807

Hansen Coupling Div.
4050 W. 1 50th St.
Cleveland, OH 44135

Stainless steel welding rod Use 312-16 to weld on handles, etc.

Metals:
non Fe Forging alloys

Aluminum alloy designation # 6061, 6151, 2014 MAX.
forge temp. 840°F

Brass, bronze forging alloys:
Low fuming brazing rod
Designation alloy #s
Forging brass #337 forge ability % 100 { base line)
Naval brass #464 % 90
Silicon bronze #655 MAX. forge temp. 1300/1600° F
forge ability % 40
Silicon Aluminum bronze #642 MAX. forge temp.
1400/1500° F

Aluminum bronze #954

Highland Forge
Glenn Horr
Route 2 Box 2880
Berkeley Springs, WV 25411-9614
(304) 258-4058
ridgart@intrepid.net

The dates for the next meet are the 5th, 6th & 7th of May. The Spring meet is always the first weekend in May, the Fall meet is always the first weekend in October.

This meet will be a casting Demo and workshop led by Lory Wedow.



**EAGLE
ANVILS**

The Guaranteed Kind
Fully Warranted

First-Class Blacksmiths, Machinists, Toolmakers and craftsmen have used EAGLE Anvils in this country and abroad for more than a century; EAGLE Anvils have no peer! The superior production techniques and high-grade materials used in their manufacture have kept pace with the demands of modern industry for quality tools which give continued superior performance.

DIMENSIONS - STOCK ANVILS

Wt. Lbs.	FACE				HORN
	Length Inches	Width Inches	Hardie Hole Sq. in.	Pritch- el Hole	Length Inches
50	10	3	5/8	7/16	6 1/4
80	11 1/2	3 3/4	3/4	1/2	7 1/2
100	12 3/4	3 3/4	3/4	9/16	9
120	13 1/2	3 1/2	3/4	9/16	9
150	15 3/4	4	7/8	9/16	10 1/4
160	16	4 1/4	1	9/16	10 1/4
180	16 1/2	4 3/4	1	9/16	10 1/4
200	17 1/4	4 3/4	1 1/8	5/8	11 1/4
225	18	4 3/4	1 1/8	5/8	11 1/4
250	18 1/2	5 1/4	1 1/4	5/8	12 1/4
300	19 3/4	5 1/4	1 1/4	5/8	12 1/4
350	21	6	1 3/8	3/4	13 1/4
400	22	6	1 3/8	3/4	13 1/4
450	22	6	1 3/8	3/4	13 1/4
500	23	6 1/2	1 1/2	13/16	14 1/4
600	24 1/4	6 3/4	1 1/2	13/16	14 1/4
700	25 1/4	7 1/4	1 1/2	13/16	14 1/4