1. BOLTON GUN WORKS

K. Bound Volumes
6. Miscellaneous

b. Memoranda, rules of the factory, some productionnrecords
1814-1821

No 1.

Waste Book.

Jos & Wm. Henry

Boulton April 15th 1815.

Christian Giersch Dr
To the following forged locks.
which were delivered to him
from time to time.

1814				
March	7	50	sett Rifle locks	
—	15	27	Small Musket locks.	
April	13	26	ditto do. do.	
—	7	10	ditto do. do.	
—	29	50	ditto do. do.	
May	6	30	Rifle locks	
—	23	24	sett Son. Musk. locks	
—	27	24	Rifle locks	
June	16	24	ditto do.	
—	25	20	ditto do.	
—	29	36	ditto do.	
July	9	30	ditto do.	770
	20	50	ditto do.	675
Aug	11	24	ditto do.	155
—	19	30	ditto do.	
Sept.	1	24	ditto do.	
—	17	24	ditto do.	"
Oct	7	24	ditto do.	"
—	18	36	ditto do.	"
Nov	11	24	ditto do.	"
18				770
Jan	3d	192	ditto do.	
March	17	144	ditto do.	
—	27	24	ditto do.	

Settled

Recapitulation

770 Rifle locks rec. by CG.
127 Small Musk. locks.

Boulton April 20th 1815 $ Cts

Articles lent to Micheal Bossler
— See Day Book April 7th

agreeable to agreement he is to Pay lawful Interest for the use of those articles named on the 7th April 1815 which are specifically there noted
say amt $150.

Charged to his A/c

Interest — 9 $ 00 cts

~~Matthew S Henry Dr~~
~~To a Scoup lent him in August 1815~~
~~worth 5 $~~

Inventory
Houses 1700
Tools — 1000
Land — 5000
Improv — 1500
8200

1250 debts
1000
1700
7950
1250
8200

2500
1250

Boulton May 5th 1815 $ Cts

Articles Sent to Messrs Young & Dingler at Easton to be sold by them on Comission —

		per day
1 doz American 13 in R files		$6 40
1 do ditto — 12 Inch ditto		6 00
1/2 do English 12 do Bast		5 60
1/2 do ditto — 11 do mill Saw		6 —
1/2 do ditto — 11 do Bastard		5 25
1/12 do ditto — 11 do CS ~~saw~~ file		7 20
1/12 do ditto — 9 do hr Smooth		5 75
1 do ditto — 5 do CS Δ files		2 40
1/2 do Plain Rifle locks	2.50	15 00
1/2 do Single Roller do	2.80	16 80

Settled

Tools lent to David Roth
Muskt — See Day Book March 15th

2 suages & 1 punch for Hammers
2 ditto — 1 Sett for small pins
2 ditto — 1 do for Cock pins
1 ditto — 1 do do Bridles
1 ditto — 1 do do Seers
2 Punches for Cocks
Total weight is 36 lb

Returned March 10th 1819
by Wm Hawkins

Tools lent to Samuel Snyder
Muskt — See Day Book March 15th

1/2 Plate suage 2 Plate suages
1 punch for Plates
2 setts for Tumblers
3 Punches for Sundry work.
1 Tumbler pin tool
1 upper jaw suage
2 Suages & 1 sett for Springs
Total weight is 38 lb

Returned Dec 1818

Tools lent to John Miller
— See March 27th Day Book.

1 Guard vize
1 suage anvil
1 suage

Boulton June 8th 1815

Young & Dingler Dr

Sent 1/2 doz. 12 Rough hr files $ 3 . 50 per 1/2 doz
1/2 do 11 do do do 3 . 12
1/2 do 10 do do do 2 . 75
1/2 do 9 do do do 2 . 40

Settled a/c

Peter Steiner ~~John Edmonds~~ Brot the following files to be recut.

3 . 11 Inch flats
2 . 11 do CS fl.
4 . 9 do hr
3 . 10 do hr
2 . 10 do flat
2 . 9 do flat
1 . 11 do Δ
1 . 10 do Δ

returned

Joseph Giersch Brought the following files to be recut.

2 . 11 Inch C Steel flat
9 do flat
10 do flat
1 . 13 do flat
1 . 10 do Δ
~~1 . 14~~

returned

Sent a Musket lock as a pattern to Willm Henry Clewells shop it is one of CG make also one to Jno Staedtler.

returned

Jno Peissel sent the following files to be recut

2 . 14 Inch CAM
1 . 13 do MIK
3 . 12 do Bott
2 . 11 do CAM
1 . 10 do Hall
1 . 11 do CS Ghall
1 . 10 do CS Ghall
1 . 11 do Δ Bramel

returned

Other files brot to be recut supposed to be Jos Giersches

1 . 14 Inch G Hall
2 . 10 do Cauwood & Tricker

returned

Boulton June 20th 1814

John Staedtler Dr

see Day Book April [illegible] 1815

To 50 forged Musket locks to be filed
1 filed Pattern lock
200 sett forged Muskt locks July 11th 1815

Settled

1816 folio 14 May 11 Lent to MS Henry
3 Good Picks with handles

see folio 14 May 16 Lent to John Edmonds
a tumbler grinder

July 27th 1815

Memo.
Lent Peter Steiner two picks to be returned in a few days

returned

Lent Daniel Ward.
folio 14 1 Grubhoe
1 wheelbarrow
1 Shovel
1 Scythe

Lent Adam Stenger
1 small sieve

returned

Lent
folio 14 Christian Giersch
a good sound filing vize.

Saml Snydir
To 1 lock forgers vize } returned 1817 Feby
1 pr bellows
3 hand hammers
2 pr tongs
1 sete Pistol Cockpin tools
1 large sett plate

Boulton Aug 20th 1815

Christian Giersch has had the following forged locks.—

settled

July 11th 342 sett Muskt locks
do 24 Rifle locks JD.—

William H Clewell Dr has had the following forged locks.—

settled

July 11. 111 sett muskt locks
— 25. 12 forged Rifle locks
Aug 5. 60 forged Rifle locks.
March 17. 96 forged Rifle do.—
279
168

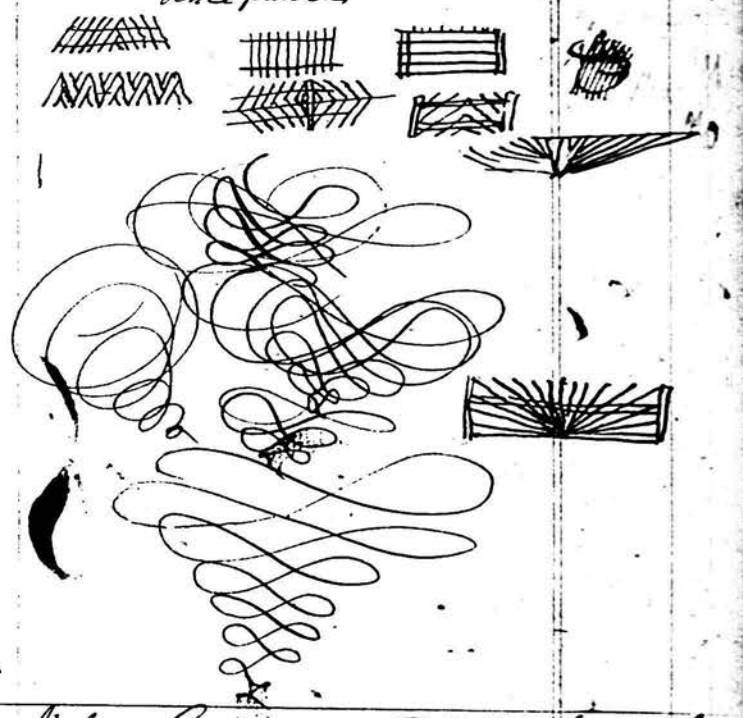
Boulton August 20th 1815—

Peter Steiner has had the following Forged locks.—

settled

July 11 54 sett Muskt locks
March 17 24 do Rifle locks

Fence pattern



John Edmonds Dr has had the following forged lock work.—

settled

July 11 54 sett fo Muskt locks 85

6/ Boulton Oct. 2d 1815

Returned to David Roth the following parts of locks to be delivered good.

See Day Book April 9th 1818

44 Tumblers
140 main Springs
5 upper jaws
52 Seer Springs
25 Plates
36 Hammer Springs
all Small Rifle locks forgeing

Oct 20th

Coal received during Autumn

Joseph Titus jr	1400
Robert Titus	300
George Hahn	980
Andrew Buskirk	270
	2950

Jan 30th 1816
Wm Henry senr Dr
To making 8 Plane Iron
1. 12 In bast
1. 11 do do CS.
1. 9 Δ bast.
1. 6 equal do.

No charge

April 16th 1816
Received 86 Bursted musket barrells from Philadn. Marks as follow

11 JA. & 43 JR
7 8. 17 S ✠
& 8 without any mark
86 No

Memorandum of Barrells sent to Philadn at different times & of of Different workmens make

Number				Burst ones returned
104	Jacob Andrews	1st Parcel		
31	do do	2d do	32	
79	do do	3d do	30	62 returned
40	do do	4th do		
10	do Nov 11th	5 do		

Number				
20	do	do	1st Parcel	5 Burst
42	do	do	2d do	15 Burst
49	do	do Nov 5th	3d do	

do John Ray's Barrells
15 musket barrells. 1st Par. Nov 11th
4 do as Ship Barrell 2d

171

Christian Giersch Dr.

1814			Number of locks received
March 27	To	770 Rifle locks forged	770
1815		204 Small Musket locks	204
July 11	—	342 Musket locks large ½ Setts SS	342
—	—	24 Rifle locks per Dr Dermath	24

Settled

Recapitulated Dr.

Forged Rifle locks	794
Sm. Musket do	204
½ setts. large Musket do SS	342

Per Contra Cr.

1814			Number of locks delivered
March 28	By	1 Roller lock rifle	
April 7	—	37 Son Musket locks	
— 18	—	10 do do do	
— 7	—	6 Rifle locks	
— 29	—	39 Son Musket locks	
May 16	—	37 do do do	
— 27	—	30 do do do	
June 6	—	22 do do do	
— 10	—	29 do do do	
— 23	—	52 Rifle locks	
July 5	—	2 do do	
— 9	—	33 do do	
— 21	—	34 do do	
Augt. 6	—	36 do do	
— 19	—	33 do do	
Sept. 3	—	29 do do	
— 6	—	1 do do	
— 17	—	28 do do	
Oct. 3	—	9 do do	
— 9	—	26 do do	
— 21	—	15 Rifle do	
— 27	—	17 do do	
Nov 19	—	20 do do	
— 26	—	25 do do	
— 12	—	33 do do	
Dec 10	—	28 do do	
— 23	—	36 do do	
— 28	—	13 do do	
Janz 14	—	37 do do	
March 9	—	41 do do	
April 6	—	14 do do	
— do	—	79 do do	
Febz 20	—	34 do do	
April 17	—	14 do do	
— 20	—	34 Musket locks	
May 5	—	11 Rifle locks	
— 19	—	53 Musket locks	
— 22	—	14 do do	
— do	—	11 Rifle do	
June 1	—	21 Musket do	
— 16	—	39 do do	
— do	—	6 Rifle do	

204
127
77

Recapitulation

Filed Rifle locks	724
Small Musket locks	204
large Musket do	161

B, | William H Clewell | Dr.

1814			
March 24	To	12	forged Rifle locks.
April 22	—	12	do. — do. — do.
May 16	—	12	do — do. — do.
— 27	—	24	do. — do. — do.
June 10	—	24	do. — do. — do.
July 23	—	12	do. — do. — do.
— 27	—	12	do. — do. — do.
aug. 8	—	40	do. — do. — do.
Sept. 22	—	40	do. — do. — do.
— do.	—	18	do. Musket locks.
Oct 27	—	30	do. Rifle locks.
Nov 5	—	6	do. Musket do.
— 19	—	Rifle	finish locks returned 10.
Dec 12	—		filed Musket lock set 1
— "	—	12	forged Musket locks.
— 23	—		filed Rifle do. set 1
1815 — 24	—		do. Musket do. — 3.
Jany. 23	—		do. do. — returned 10
— "	—		do. Rifle do. — 3
Feby. 13	—	24	forged Musket locks —
March 17	—	96	forged Rifle locks.
April 4	—		finished Rifle do set 1
— 11	—	24	Rifle locks forged.
May 5	—	24	do. — do. — do.
June 2	—	12	do. — do. — do.
— 16	—	12	do. — do. — do.
— 21	—	12	do. — do. — do.
July 11	—	111	filed sets Musket locks 55.
— 25	—	12	forged Rifle locks.
— "	—	15	filed Musket do. returned 15.
aug. 5	—	60	forged Rifle locks.
Oct 16	—	7	filed Rifle do.

Sums added up 492 Rifle locks forged.
89 sets Musket locks
111 ½ sets do. do.

492
168
324

Settled

3

Per Contra | Cr.

1814			
May 4	By	6	Rifle locks filed
— 27	—	13	do. — do. — do.
June 3	—	8	do. — do. — do.
— 10	—	12	do. — do. — do.
July 9	—	18	do. — do. — do.
— 23	—	13	do. — do. — do.
— 27	—	5	do. — do. — do.
aug. 13	—	15	do. — do. — do.
Sept. 1	—	19	do. — do. — do.
— 22	—	33	do. — do. — do.
Oct. 9	—	12	Musket do. filed.
— "	—	8	Rifle do. — do.
— 27	—	16	Rifle do. — do.
— "	—	6	Musket locks do.
Nov 5	—	6	do. — do. — do.
— "	—	6	Rifle locks — do.
— 19	—	15	do. — do. — do.
— do	—	5	Musket do. — do.
Dec 2	—	11	Rifle do. — do.
— 23	—	14	Musket do. — do.
— "	—	30	Rifle do. — do.
Jany. 20	—	34	ditto do. — do.
— "	—	15	Musket. do. — do.
— "	—	10	Rifle locks — do.
March 6	—	34	do. — do. — do.
— 11	—	25	do. — do. — do.
April 11	—	10	Musket do. do.
— "	—	25	Rifle locks do.
May 5	—	16	do. — do. — do.
— "	—	14	Musket do. — do.
— 19	—	7	Rifle locks do.
— 27	—	12	do. — do. — do.
— do	—	3	Musket do. — do.
— 30	—	27	do. — do. — do.
— do	—	1	Rifle do. — do.
June 5	—	4	do. — do. — do.
— "	—	2	Musket do. — do.
— 16	—	3	do. — do. — do.
aug. 5	—	57	Rifle do. — do.
— "	—	48	Musket do. — do.
— 20	—	5	Rifle locks filed
Sept 18	—	11	do. — do. — do.
— "	—	33	Musket do. — do.
Oct 16	—	25	do. — do. — do.
— "	—	8	Rifle locks do.
— 17	—	8	filed Rifle locks
Nov 1	—	3	do. — do. — do.

483 Rifle locks.
223 Musket locks

8

Christian Giersch Dr.

		Number received
	To the follow balances of locks forged trot. over	
	Rifle locks forged	70
	1/2 setts Musket locks do.	181
May 13th	To 24 forged Rifle locks	
1816 Jany 7th	— 192 whole Musket locks } D Roth.	
	— 547 1/2 setts do. do. }	
1815 Sept. 22d	— 97 1/2 do. do. SS	
Jany 29, 1816	— 111 1/2 do. do. SS.	
	Result Cast up	84
	Forged Rifle locks	84
	whole setts musket locks — 762	762
	half setts do. do. 158	158

Christian Giersch has upon hand Jany 30th 1816

19 forged Rifle locks.
261 whole setts Musket do.
158 half setts do. do.

Settled a/c
& charged 79 forged Musket locks & 2 filed dec Feby 23 1816

Per Contra Cr.

			Number Delivered
1815 June	26	By 35 Musket locks	
	29	— 12 do. do.	
July	13	— 27 filed Musket locks	
	25	— 27 do. do. do.	
	27	— 3 Rifle locks	
Aug	20	— 65 filed Musket locks	
	23	— 34 do. Rifle locks	
	30	— 43 do. Musket locks	
Sept	15	— 35 do. do. do.	
	29	— 42 do. do. do.	
Oct	12	— 27 do. do. do.	
	27	— 34 do. do. do.	
	do.	— 1 Rifle locks	
Nov	10	— 37 Musket locks filed	
Dec	2d	— 73 do. do. do.	
	28	— 18 do. do. do.	
	30	— 26 do. do. do.	
		Musket locks	501
		Rifle locks	65

Saml. Snyder C^o. delivered the following forged locks — Jany 24th 1816

1814		
March	21	— 40 forged Rifle locks
—	26	— 44 d^o — d^o — d^o
April	2^d	— 50 d^o — d^o — d^o
—	15	— 60 d^o — d^o — d^o
—	22	— 50 d^o — d^o — d^o
May	6	— 126 half setts — Rifle d^o
—	23	— 153 d^o — d^o — d^o
—	28	— 100 d^o — d^o — d^o
June	6	— 80 d^o — d^o — d^o
—	18	— 244 d^o — d^o — d^o
July	5	— 86 d^o — d^o — d^o
Aug	19	— 355 d^o — d^o — d^o
Sept.	3	— 30 d^o — d^o — d^o
1815		
Jany	7	— 48 Rifle locks to W^m H Elewell
—	"	— 152 d^o — d^o — to C Giersch
March	17	— 182 d^o — d^o — to C.G. W^m H C. & PS
July	11	— 761 half sett musket locks
Sept.	22	— 139 d^o — d^o — ditto d^o
Dec	23	— 129 d^o — d^o — d^o — d^o

Recapitulation

	No.
Whole setts Rifle locks	626
Half setts d^o — d^o	1174
Half setts Musk^t. locks	1029

David Roth delivered the following forged locks

1814		
March	22^d	— 25 sett small Musk^t. locks
—	"	— 20 sett large d^o — d^o
	23	— 25 sett small d^o — d^o
	24	— 25 d^o — d^o — d^o — d^o
	26	— 25 d^o — d^o — d^o — d^o
	28	— 27 d^o — d^o — d^o — d^o
April	13	— 26 d^o — d^o — d^o — d^o
	d^o	— 10 d^o — d^o — d^o — d^o
	22	— 55 d^o — d^o — d^o — d^o — 218 Sm.
May	4	— 100 d^o. Rifle locks. ½ setts.
	16	— 140 ½ sett d^o — d^o — d^o
	25	— 177 ½ sett d^o — d^o — d^o
June	6	— 104 ½ d^o — d^o — d^o — d^o
	18	— 277 ½ d^o — d^o — d^o — d^o
July	9	— 164 ½ d^o — d^o — d^o — d^o
	23	— 171 ½ d^o — d^o — d^o — d^o
1815 July	8th	— 623 ½ d^o. Musket locks large.
1816 Jany	7	— 192 whole setts Musk^t. locks d^o
	"	— 657 ½ setts d^o — d^o — d^o

Recapitulation

	No.
Whole setts Sm Musk^t. lo.	218
Half setts Rifle locks	1133
Half d^o Musk^t. d^o	1280
Whole d^o Musk^t d^o	212

NB Since the above was Cast up we found that David Roth only had 1047 half setts of Musket locks of course he is to be charged with 233 half setts Musk^t. locks.

Charged

John Edmonds Dr

1815					
July 11	To	54	½ Sett Musket locks		SS
Sept. 22	—	30	½ setts ditto	do	SS

Per Contra Cr

[illegible]	9	By	14	Musket locks	filed	
[illegible]	19	—	6	do	do	do
[illegible]	19	—	7	do	do	do
July	28	—	24	do	do	do
Sept.	22	—	18	do	do	do
July	16	—	10	do	do	do

Total 69

~~6~~ 12

Wm. Henry Clewell Dr.

1815 Nov 1	To a balance of Rifle locks from folio 2 — 9 Rifle locks.	
1816 Jany. 7th	To 66 ½ Sett musket locks	DR.
— 29	— 18 ½ do. do. do.	SS.
	— 84 ½ do. do. do.	DR see Recpts.

Settled a/c recounting it appeared that Mr Clewell had 24 ½ setts of musket locks on hand and 5 whole setts of ditto forged which are charged to him.

returned

47 ½ Locks
22 R locks.

Per Contra Cr.

1	By 23 ~~½ half~~ sett musket locks	
11	— 6 Filed musket locks	
11	— 6 do. Rifle do.	
13	— 3 do. do. do.	
2	— 1 do. do. do.	
6	— 5 do. do. do.	
11	— 7 do. do. do.	
"	— 18 do. Musket locks.	

Engagements

Jacob Hanke promised to deliver in the course of 2 months after date between 700 & 800 bushels, good clean Pine charcoal

delivered

Capt George Hahn engaged to deliver in the course of 12 or 14 days after date 500 or 600 bushels good clean Pine charcoal at 12 $ a hundred not Cash

delivered

Matthew S Henry engaged to deliver about 3000 bushels coal during autumn next at 11.50 per 100 bushels

delivered

1819

July 1st Doct. J Rodgers borrow a saw for trimming trees about 6 weeks ago

returned

June 30th Lieut Saml. Snyder sundry Musket Brichpin forgers tools viz.

One Screw Hammer Saage &
One Suage anvil Screw suage
One do. do. Shoulder suage
One Screw Suage punch
One forked suage

returned
Nov. 28th 1819

#13 Memorandum of articles rec.d from Micheal Bossler on his removal from [illegible] property of Jos & W.m J.s Henry — April 10th 1816

George Kleinfelter takes into use the following [illegible]t of articles for which he will pay a lawfull Interest for such length of time as he may [illegible]ve the use of them, & at the expiration of our agreement will deliver the same in the [illegible]me sound state that he has rec.d them

		value		
$1	3 Cow chains	30 cts		90
30 cts	1 Dutch spade	45		45
25 cts	1 pair fire tongs	25		25
Sold $5.10	4 good oak barrells	55	2	20
20 cts	1 7 Gallon vineg. cask	20		20
	1 10 d.o Cucumber d.o	40		40
60 cts	1 frying pan with hand	90		90
$3	3 Middle sized Iron pots	125	1	25
	1 Tin lamp	25		25
50 cts	1 Coffee grinder	50		50
20 cts	2 Cedar buckets	20		40
	1 d.o Iron bound	10		10
	1 d.o d.o d.o	12½		12½
18 cts	½ Gallon tea Canister	18		18
10 cts	½ d.o Sugar box	15		15
50 cts	1 good Coffee roast	80		80
	2 old tin Coffee pots	10		20
20 cts	2 Iron ladles	20		40
	1 white tea pot	15		15
	17 knives	10	1	70
	15 forks	10	1	50
	7 table spoons	2		14
	12 Tea spoons (pewter)	1		12
wanting $1.40	7 large pewter plates	20	1	40
22 wanting	3 good white plates	12½		37½
	2 bad d.o d.o	5		10
40 cts	1 Deep pewter dish	60		60
	2 d.o tin d.o	15		30
2 w	4 earthen dishes	5		20
	1 sm funnel	6		6
$1	3 benches	50	1	50
25 cts	2 tables	75	1	50
	1 Square frying pan	25		25
80 cts	1 Buckw.t Bake plate	50		50
75 cts	6 bread baskets	12½		75
	1 ½ barrell oak	40		40
48 cts	1 Dough trough	48		48
75 cts	3 3 bushel bags (nearly new)	75	2	25
87 cts	1 Bushel basket	60		60
21 cts	1 ½ bushel d.o	30		30
			$ 24	83

		value		
10 cts	1 Speck basket	10		10
18 cts	1 small axe in cellar	18 cts		18
	1 German scythe & handle	100	1	00
20 $	1 old plain stove, 8 ft pipe	$20	20	
25 $	1 N Hunter d.o 12 ft d.o	$25	25	
	2 flour barrells	5 cts		10
	2 Tin Quarts	10		20
10 cts	2 d.o Pints	5		10
	1 fire hook	50		50
50 cts	1 dung fork	50		50
50 cts	4 double Bedsteads 3 18 p.o 3 $		12	
	3 single d.o 1 $0.50 p.o 1.50 cts		4	50
	11 Sm. blankets 6 15 65 cts p.o	180	19	80
6	10 large d.o	225	22	50
	3 sm ruggs 2 5 cts p.o	20		60
2	3 large Cover lids 3 2 p.o $2		6	
2	1 Feather bed	3.50	3	50
	6 Feather pillows 2 50 cts p.o	$1	6	
	5 Straw bolsters 4 50 cts p.o	40	2	
4	4 Single Strawbags 5 50 cts p.o	80	3	20
	7 double d.o 2 at 80 cts	$1	7	
	8 bed sheets	75	6	
	1 Callico quilt	1.50	1	50
	amt. brot. over		24	83
			$ 167	11

Memo.

30 cts	Give in use ½ Gallon bottle		30
$20	2 Milk cows	24 $	$48
			$ 215

$1 — 1 [illegible] Glass
50 cts [illegible]
75 cts 1 [illegible]

Rule's — Boulton Factory.

Welders.	Welding rifle Barrells, the welder is to responsible for the goodness of his work & in case a Barrell breaks or bursts is to repair the same at his own expence & pay for reboring & regrinding; — is bound to keep in proper repair, all hammers, sledges, mandrills &c: which he has or may have in use, —	1816 1817 1818 1819 1820 1821
Borer.	Is also responsible for the goodness of his work, and any barrell he may injure or ruin by undue usage he must make up the losses	& keep all tools in ... without be... specially p... for them
Grinder.	The same as the borer —	

Memorandum of Articles lent to Sundry person & not returned to this date May 16th 1816 — D

Daniel Ward Dr

Returned — To 1 Grubbing hoe
1 Wheel barrow — Sold
1 Shovel returned

Christian Giersch Dr

Sold — To 1 good filers vize.

Matthew S Henry Dr.

To 3 picks all marked (Henry)
1 nut wrench returned August 1817.

Sold — John Edmonds Dr

To 1 Tumbler grinder.

Returned — David Roth borrowed June 10th
1 pair Smith bellows's —

Michael Bossler Dr. 3½ pr. 1 knee pipe

Returned — To 1 ten plate Stove lent him this 13th Day Jany 1817 with 12 ft. gripe.

Bought — April 12th 1817 Borrowed an anvil from Col. David Roth which is to be returned at his request.

Settled — June 6th John Klewell put his two horses into pasture to day

June 10th To day was with Martin Fry jr he engaged to search for 2 grind stones & I promised if he makes any for us 4 ft. 4 In or 4 ft. 6 or 8 & not less than 14 In thick to pay him 55$ for 2 or probably if he can find more in the same proportion —

1817

Dec 31 ret Jacob Culver 1 brass Bullet mould.

July 22d. 1816

Sent to Henry Jorge the following there to exposed for Sale by MSH.

sold — 5 cwt. 0 Qr. 13 lb. Bar Steel — Sold MSH.

sold + 1 grind stone 130 lb. a 3½ cents — to Jno. Rismiller & charged to

1 ditto " — 119 a 3

1 ditto " — 116 a 3

1 ditto " — 21 a 5 cts.

Feby 1817 Matthew S Henry Dr.

Has in use, belonging to us,

1 pr. returned 2 pair light log chains 1 chain sold 1 pr. returned

returned 1 pair large smith tongs

May 27, 1817 We entered our Co. name as surety in a note of 60 $ due by Geo. Klinefelter to Christ. H Beck payl. 27 Feby 1818 "

Paid

June 10th. Give our Note to John Meixell payl the 10th September next for 20 Dollars NB. payl at Boulton only "

Paid

July 11th. Give our Note to George Hahn payl the 10th August next for 22 $. 40 cents payl at Boulton only

Settled

Aug 25th. Give our Note to John Bautel or payl to order due 6 month after Date which is 25th Feby. 1818 " $80 " 00.

Paid

Sundry engagements for Charcoal.

Peter Micheal	+ 2200 Oliver	400	Oct. 18th 1817.
George Reb	"	600	Nov 1st
Robert Titus jr.	"	500	Nov 1st
Joseph George	"	400	Nov 20th
John Heiny	"	700	Nov. 20th
		2600	Bushels

April 24th 1817.

Improvements done at Boulton by Jos and Wm. Henry " in March & April, Covered the stable partly with a new & partly with an old Shingel roof & relaid the floor in the fodder gang, altered the two old rooms in the house on the west side of Buskill, tore out the old petetion, made a new one & relaid the floor in one room new, tore out the old stair case, & made another window in front, also repaired the casings &c: of 3 other windows, mended the floors in 2. Story,

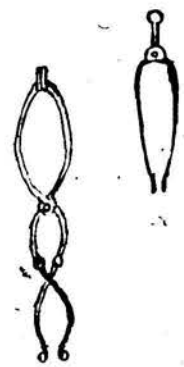
In 2 Story log house tore out the two fireplaces, & tore one chimney down, laid in a floor, mended the upper floor & repaired the gabel ends & roof, cut another window in the east gabel end of the building & place the door on the south side and had the in and out side plastered &c

Memorandum of Musket barrels sent to M T Wickham from June 1816.

When sent. 1816	whose forging	whose finishing	Number burst &c.	Returned.	U.S. use.	What number sent.
June 14	TW.	TW.	2.		10	15.
Aug. 12	TW.	TW.				56

Memo: Sent to be sold by Mr. J F Wolle the following Shot guns & Rifles. May 10th 1818.

1 Rifle priced at	$20 "	$20 "
1 ditto ditto a	18 "	18 "
1 Shot gun (Rifle 6 Bar)	19 "	19 "
1 Shot do. "	15 "	15 "
1 ditto do. "	13 "	13 "
1 ditto "	12.75	12.75



Memorandum of Barrells Created and how many of each were sent to Stood

Prices of Barrells.

Rifle barrells under 4 feet long and not exceeding 7lb. in weight sized balls.

from 20 to 80 to the lb.	No. 1	$ 3 . 50	
80 to 100	ditto No 2	4 . 25	
100 to 120	ditto No 3	5 . 00	
120 to 140	ditto No 4	5 . 50	
140 to 160	ditto No 5	6 . —	
160 to 180	ditto No 6	6 . 50	
180 to 200	ditto No 7	7 . 00	

every inch above 4 feet to be rated a 10ct until it arrives to 5 feet.

Shot Gun Barrells of common dimensions say not exceeding 5lb. weight — lb and under 4 feet in length.

from 20 to 60 to the lb.		$ 3 . 25
60 to 100	ditto	4 . —
10 to 20	ditto	3 . 50

Ducking pieces, 6 & 7lb. weight

from 10 to 20. under 4 ft. 6 Inches in length. $ 4 . 50

10 to 20 between 4½ feet & 5 feet in length. $ 5 . 00

Any superiour quality of Iron particularly such as is made of Boring dust 50 cents is to be charged on each of the above rated barrells. July 1817

rates for workmen rifle barrells

	weighing	finish	Grind	Total
20 to 80 bore to the lb.	20ct.	18ct.	12ct.	— 50
80 to 100 do. do.	38 .	36 .	12 .	86
100 to 120 do. do.	56 .	54 .	12 .	122
120 to 140 do. do.	81 .	79 .	12 .	172
140 to 160 do. do.	106 .	104 .	12	222
160 to 180 do. do.	130 .	130 .	12	272
180 to 200 do. do.	155 .	155 .	12	322

prices lowered see Folio 18.

Ducking pieces Sale prices.

wide bores. length	4 ft. 6	$ 4 . 75
	5 ft	5 . 75
	5 ft 6	7 . —
	6 feet	8 . 00

Memorandum of different kinds of barrells made at the works from the first January AD 1817.

			Total
Month of Jany	35	Rifle barrells.	57
	22	Musket ditto	
February	38	Rifle barrells	79
	32	Musket ditto	
	8	Shot Gun do.	
March and Aprie	39	Rifle barrells	154
	85	Musket ditto	
	30	Shot Gun do	
May	23	Rifle barrells	25
	2	Shot gun do.	
June	45	Rifle barrells	63
July		Ducking pieces 9	68
	59	rifle barrells	
August	72	rifle barrells	102
	30	Shot Gun do	
Septem:	47	rifle barrells	63
	16	ditto Shot do.	
			731
			1142

Offer to Septem bail of Morris town Augt 1818.

Steam gauge under 4 feet a 3 . 25

4 ft 6 & under 5 3 . 65

18

Workmens wages

Rifle barrells & others not exceeding 4 ft. in length & of common dimensions.

Balls to the lb.	Roughboring	Finishing, Grinding.		Total.
				50 cents
20 to 80	— 20 cents	18 cents	12 cents	80 —
80 to 100	— 35 —	33 —	12 —	100 —
100 to 120	— 45 —	43 —	12 —	130 —
120 to 140	— 60 —	58 —	12 —	160 —
140 to 160	— 75 —	73 —	12 —	190 —
160 to 180	— 90 —	88 —	12 —	220 —
180 to 200	105 —	103 —	12 —	

All below

Barrell forger.

	welding	striker
20 to 100	45 cents	25 cents
100 to 150	60 —	33 —
150 to 200	75 —	40 —

August: 1817.

Rifle & other barrells not exceeding 4 feet in length & common demensions

Balls to the Pound	Rough Boring	Finishing	Grinding	Total Sum.
				50 cents
20 & 80	1st 20 cents	18 cents	12 cents	50 cents
80 & 100	2nd 35 "	33 "	12 "	80 —
100 & 120	3rd 50 "	48 "	12 "	108 —
120 & 140	4th 65 "	63 "	12 "	140 —
140 & 160	5th 80 "	78 "	12 "	170 —
160 & 180	6th 95 "	93 "	12 "	200 —
180 & 200	7th 110 "	108 "	12 "	230 —

	Welding	Striker.
20 to 120	115 cents	25 cents
120 to 160	55 —	30 —
160 to 200	70 —	35 —

Established 25 August 1817.

Price reduced Aug 10th 1818 —

No.	roughboring	Smooth boring	grinding	Total.
1	16	14	10	40 10
2	28	19	10	50 30
3	30	28	10	68 40
4	40	38	10	88 50
5	50	48	10	108 60
6	60	58	10	128 70
7	70	68	10	148 —

Memo. Article &c: from Lt Hall Oct 22d 1817.

3 3 6

Settled Adam Daniel's debt of 27/

JJ & Wm Smith	Lt Miller allowing			28 — 6
JJ & Wm Hall	Widow Giersch	"		16 — —
Wm	One shovel - per Mrs Henry		10/-	1. 34.
Wm	6 ℔ Coffee		27 cts	1. 62
Wm	6 ℔ Sugar		18¾	1. 12½
Wm	6 ℔ rice		9 cts	6½
Wm	1 Bushel Coarse salt			1 34
Wm	1 Peck fine salt		1.34	33½
Wm	1 Paint brush			12½
Wm	1 pair gloves			1. 25
Wm	8 yds calico	per Mrs Henry	50	4 —
Wm	1¾ Roseate muslin	cop. 4/6.		
Wm	½ yd. Cambric	do. cop 3/9		
Wm	1 yd. lace	7/6		75.
Wm	3 yds. tape			
Wm	1 Skain silk thread	6 cts		
Wm	½ yd. Brown holland			
Wm	6 Skains white thread			
Wm	1 Ball cotton thread			
Wm	¼ ℔ pepper			
Wm	7 ℔ Sugar	cop. per Mrs Albright	18¾	1. 31
Wm	½ doz. eggs		5 cts	4 5
JJ & Wm	Order favr. William Henry			10. 00.
Wm	Bank Sprigged muslin	per Wm		
JJ & Wm	Order favr. Jesse Worley			25. 00.
JJ & Wm	12M lathing nails		15 cts	1. 10.
JJ & Wm	10 ℔ Shingle nails		10.	1. 11½
Wm	2½ yd. Oil cloth		44/8	1. 55.
Wm	1 piece Bobbin		11 cts	4 22
Wm	¼ ℔ Stone ocre		6	4 24
Wm	10 yds. Wooden tape			
Wm	3 knives & forks		1.25.	1. 25.

Settled

19/ Memo: Oct 31st 1817.

It is understood between Jno. Jos Henry & Wm Henry jr that Wm Henry jr shall have the use of the house he now resides in rent free & the lot of ground in use by him at present probably containing between 6 & 8 acres, without any charge, provided he continues to improves the ground by Cultivation;

Said Wm shall receive from the 1st of April last to the 1st of April 1818 as a compensation for Superintending Boulton works, twenty cents from the the firm of Jno. Jos & Wm Henry for every Barrell made under his said Wms directions

Said Jno. Jos Henry it is agreed between the parties shall receive from the firm of Jno. Jos & Wm Henry 4 per cent interest on the sum of Three thousand six hundred & eighty six Dollars & seventy eight cents Due by firm to said Jno. Joseph from the 1st of April 1817 untill such times when it shall be convenient to said firm to discharge the said principal — Further it is agreed that said Jno. Jos Henry shall for transacting the business of firm in the city of Philadelphia receive a compensation of two per cent upon all articles sent to said Jno. Jos for disposal —

William Henry jr

Memo.

Sent Decr. 1817. 100 pair of Pistol barrells to J Jos Henry for Sale

paid Daniel Kind promised his monday till Saturday week from Feby 4th 1818

Surety: our firms name

pd for Klinefetter	vs Doudt	$20	
Klinefetter	vs C H Beck	80	
pd Loamis	vs Derringer	18	
paid ditto	vs Culver	16	
ditto	vs F Haeny	5	57

Memo April 1st 1818

~~No. 1 Supt wages 25 cts a piece~~

~~No. 2 " 32~~

~~No. 3 " 37 cts~~

No. 1 a 25 cts Superintendants wages

2	30	5	No. 1 say	25 cts	5
3	34	4	No. 2	30	4
4	37	3	No. 3	34	3
5	40	1	No. 4	37	3
			No. 5	40	2
			No. 6	42	1
			No. 7	43	

Sent Fredrick Bodine Nov. 15th 1818.

returned 19 rifle Barrell mandrills —

1 Barrell welders anvil —

20) Memorandum of Barrells made under the direction of William Henry jr from the 1st April 1817.

1817.		Rifle,	Shot gun,	Musket,	Total	
April	3d	8	"	"	8	
—	7	"	16	"	16	
—	10	"	"	85	85	
—	11	16	13	"	29	
—	26	15	1	"	16	April 154
May	1	5	2	"	7	
—	15	5	"	"	5	
—	24	13	"	"	13	May 25
June	1	17	"	"	17	
—	14	26	"	"	26	
—	20	9	"	"	9	
—	30	9	"	"	9	June 61
July	13	20	9	"	29	
—	27	39	"	"	39	July 68
August	4	39	5	"	44	
—	7	12	19	"	31	
—	20	13	16	"	29	
—	25	7	"	"	7	August 111
Sept.	6	34	"	"	34	
—	13	13	11	"	24	
	20	"	5	"	5	Sept. 63
Octr.	2d	26	"	"	26	
—	29	5	"	"	5	Oct. 31
		R. 332	SG. 97	M. 85	514	
Novr.	1	4	15	"		
—	10	12	~~12~~	"		
—	14	24	~~24~~	"		
—	24	26	~~26~~	"		
—	29	26	"	"	Novr. 102	
Decr.	—	20				
—	17	23				
—	"	2				
—	20	38				
—	27	14				
—	29	18	"	"	" 115	

From April 1st 1817 to Jany 1st 1818 731

NB. Among the above number of Barrells there were
14 Swivel barrells — sold at $5
1 Duck. Gun do. 6 feet long — $8
2 do. do. do. 5 ft. 6 inches $7
2 do. do. do. 5 feet long $6
8 do. do. do. 4 ft. 6 do. $5

Memorandum of Barrells made under the direction William Henry jr from and after the 1st of January one thousand eight hundred & eighteen.

January		Rifle	Sh. Gun	D. Piece	Number per Month	
	3d	13	"	"		
	5th	6	"	"		
	6th	6	"	"		
	11	20	19	"		
	17	26	"	"	"	
	22	32	"	"	"	
	29	41	"	"	"	
					163	Jany
Feby	19	20	15			
—	22	10				
—	28	54			99	
					3	
					102	
March	9	19	"	"		
—	16th	23				
—	19	30				
—	29	41				
in mill		12			125	

In the year, ending on April 1st 1818 we made 1121 Barrells.

April	10	29	22	"		
—	25	42			93	
May	1st	19				
	8	10				
	14	25				
	30	42	1*			* Steam cylinder equals 4 Barrells
		100			100	
June	13	46	Barrells			
		3			49	

Memorandum September 10th 1818

Agreed with John Beutel of Nazareth, he promises to forward Barrells to such places as I may direct at ½ cent a piece —

Sept. 25th	Sent 20 barrells for Philad.a		10 cts
$2 paid	6 for Bloomsburg		3
2 paid			
$4	20 Barrells for Philad.a freight 3 cts		60 cts
	6 ditto for Bloomburg		37½
Oct. 2			

Sept. 11th 1819

Engaged of J. J. Henry

2 doz Kornbracher's stamp roller & swivel locks, $1 ea

Lock 12 sent not at the prices limited

1 doz bright single roller — abt. $1.25

1 doz plain ¾ Bridled — ab $1 —

Boulton March 30th 1818.

Agreed between George Klinefelter & Jno. Jos & Wm Henry — Any rifle or Gun Barrell bursting being over and above one ½ welded in thickness, the welder to be at no loss — if any barrells burst not being ½ welded the Welder is to take the said barrells & piece the same & paying One Dollar for the finishing of said barrells or barrell — unless said Henrie's choose to take them without repairs in case they should not much injured.

George Klinefelter (L.S.)

Jno. Jos & Wm Henry (L.S.)

Lucian Lamie (L.S.)

May 17th 1818

Memo. Agreed with George Klinefelter upon the following terms viz:

Said George while assisting at making tools &c: in mill of Jno. Jos & Wm Henry is to receive one dollar & fifty cents for every days faithful work, while so employed, he said George further engages to endeavour & attain a knowledge of the Barrell finishing & work for said Henries, said George is to receive for the first twenty six days work the sum of Thirty two dollars & fifty cents.

fulfilled

George Klinefelter

August 1819

George Klinefelter agreed to finish musket Barrells at thirty cents a piece —

Also agreed to weld 100 musket Barrells at 60 cts a piece, if more than 5 burst out of 100 is to pay us One dollar per piece if more than 95 stand proof and are otherwise good, he is said George to receive one dollar per piece up to 5 out of every hundred.

musket Barrells

William Henry Jr

1819
January
4th Memorandum of Grain raised last year on Boulton tract

Wm Hy Oats 32 bushels
Wm Hy Buckwheat ⅔ share — 38½ Bushels
Rye 51 Bushels and 3 peck

Horse feed bought.
August 1818 of J Jos & Wm Henry 32 bushels a 40 $12.80
April 1819 of Peter Hahn 30 bushels a 40 12

1818 Brade 2¼ tons hay a $10 22.50
Jany 1819 Bought Wm Henry 3 tons 12 36

Godfrey Belling & Wm Henry Jr
Dr To Calf hide $1
By leather 40 ct
To Calf hide 13d 1.30 ct
By leather 17/6 2.33

Taken to Pasture June 28th 1819
Daniel Ward 3 Cattle $ per month
John F Wolle 2 ditto

Loan John Diemer April 4th 1820
Books Russell on the Drill
Returned Duane's hand Book for Riflemen

Notified 19th August 1820 Fred. Bodine to leave the premises three months after date, at least that I would not be responsible for work after that date agreeable to contract

Refd

Barrells manufactured under the Direction of William Henry Jr

Nos	1.	2	3	4	5	6.	7.			Total	
July 30	88	28	24	"	"	demand	"	"	"	140	1
Aug 31	46	36	6	"	"	dull expans detained the works about 2 weeks this month				88	2
Sept	25	81	69	1	"	"	great demand	"	"	176	3
Octobr	51	43	51	"	"	"	great demand	"	"	145	4
Novemr	31	41	87	"	"	"	great demand	"	"	159	5
Decemr	21	55	69	"	"	"	brisk demand	"	"	145	6
1819 1 Janr	45	119	74	"	"	brisk demand	"	"	"	238	7
2 Febry	125	108	2	"	"	"	demand	"	"	235	8
3 March	58	70	"	"	"	"	no demand	"	"	128	9
In the year ending April 1st 1819 we manufactured 1697 Rifle, Shot gun & Steam barrells											
4 April	13	80	19	Musket B.	"	dulle	"	"		112	10
5 May	60	111	"		"	demand	"	"		171	11
6 June	59	45	"		"	no demand		"		104	12
7 July	Begun at Musket Barrells none finished										1145
8 August	"	"	"	75	"	"	Low water			75	
9 September	1	2	"	86	"	"	Low water		"	89	
10 October	12	"	"	54	"	Low water			"	66	
11 Novemb	40	10	"	42	"	Low water		"	"	92	
12 December	"	"	"	47		Low water				47	
1820 January	22	"	"	33		Low water				55	1st 1820
February	10	"	"	201		high water after 8th Feb				211	2
March	45	3		68	& 7	Swivel Barrels				123	3. 1145
In the year ending April 1st 1820 we manufactured 1145 Rifle & Musket Barrells											
April	73	13	"	"	"	Musket Barrells				136	4
May	61	"	"	"	"	50 144	"	"	"	205	5
June	6	23	6	6	6	184	"	"	"	231	6
July	1	"	"	"	"	"	"	"	"	1	7
August	9					61	"	"	"	70	8
Septr	91	17	20	"	"	18	"	"	"	146	9
Octobr	57	"	"	"	"	"	"	"	"	57	10
Novemr	94	"	"	"	"	"	"	"	"	94	11
Decr	86	7	11	"	"	"	"	"	"	104	12
										1433	

Water sufficient all the year last little demand

Mar S Henry's Iron July 1821

J S & W H.
W H Crewell [illegible] 20
ditto 15
ditto 60 ½

Memorandum Work engaged & promised
September 1st 1818.

John Jos: Henry x 20 Barrells pr. week.
George W. Kyser 15 Barrells pr. week.
Jacob Kuntz 1 Shot gun barrells 3 feet 7 inches
Calibre ½ Oz ball squares only
6 inches all very light

John Jos Henry Pistol barrells 20 pair
8 square Butt 1 inch full
Muzzle 3/4 do — & 12 inches long
Calibre about 32 balls to ℔.

Stephen Vail 9 steam guages 4 feet
~~Sept 15 October~~ 9 do do 4 ft 6 in
15 October 1818

M S Henry Cr.

Oct. 14	151 bushels coal	
15	130	1st heap
16	127½	
17	130	
19	130	
	761½ Bushels	
21st	130 ditto	
22	130 ditto	
23	130 ditto	2d heap
do	136 ditto	
	57½	
	1352½ total	

1820
Nov. 6th Engaged of M T Wickham
½ doz 14 Inch rough files flat
½ doz 12 Inch smooth flat
½ doz 12 Inch h r rough
½ doz 9 Inch h r Bastard
½ doz 6 Inch h r ditto.
1 doz 8 Inch flat ditto.
1 doz 6 Inch do. do.
1 doz 5 Inch Δ Saw files best kind.
½ doz 6 In flat smooth,

Memorandum August 22d 1818

1818 George Tayon in a/c &c:

Aug. 22	To Sundry Barrells	$57.40		
Sept. 5	" Sundry Barrells	120		
Sept. 11	" Sundry Barrells	59.80		$237.20
Octob. 1	By Aft Ms Henry 10 days sight for $100	$100		
Sept. 25	" Aft McRoss 30 days	50		
		$150		
— 26	To Sund Barrells			39.20
Oct 6	By Aft fav. J F Wolle	$126		$276.40
		276.0		
	To balance	40		
		$276.40		276.40

Oct 1st	To balance		40
— 17	" 17 Barrells transfer d a/c		$59.50
Oct 1	" Sund Barrells		60.20
— 17	" Sund Barrells		80.80
Nov. 1	By Aft fav. J F Wolle	$200	
	To balance to new a/c	90	
		$200.90	$200.90
Nov. 2d	To balance brot. down		90
— 9	" 15 Barrells		59.80
— 15	" 12 Barrells		50
— 30	" 33 Barrells		134.60
Dec. 5th	By Aft fav. Ms Henry	$245	
	To balance new a/c	30	
		$245.30	$245.30
Dec. 1	To balance brot. down		30
— 13	" 19 Barrells		72.20
— 19	" 18 Barrells		64.40
— 24	" 20 Barrells		82.0
1819 Jany 5th	By Accept. fav. J F Wolle	218.90	
		$218.90	$218.90
Jany 2	To 16 Barrells		$65.60
— 6	" 24 ditto		91.20
— 20	" 29 ditto		121.40
— 25	By 9 Barrells returned	$35.0	
Feby 1st	" Aft fav. C H Miller	200	
—	" Aft fav. J F Wolle see 26th Feby	43	
	By Balance to new a/c	20	
		$278.20	$278.20

Memorandum August 22d 1818

1818 John Ms: Henry D. & Co.

August 22d	To Sundry Barrells	$76.40	
— 28	By Sundries per bill		31.90
Sept. 5th	To Sundry barrells	161.60	
— 13	By Sundries pr. bill		35.00
— 18	To Sundry barrells	162.80	
— 23	By Aft McRoss 20 days		45
— 28	By Aft Henry Albright 10 days sight		25.50
— 28	" Steel & Barrells		24.41½
Oct 17	" a/c 17 Bar: transf. to Geo Tayon		59.50
— 6	" Aft. J F Wolle		140
	To Balance	39.48½	
		$400.80	$400.80
Oct 1st	To balance		39.48½
Sept 26	" Sundry Barrells		39.20
Oct 1	" Sundry Barrells		120.10
— 17	" Sundry Barrells		118.80
Oct 23	By Aft Ms Henry 100 & Sund:	$81.45	186.45
Nov 1st	" Aft J F Wolle 100	100	
	To Balance	36.13½	
		$317.58½	$317.58½
Nov. 2	To balance carried over		$36.13½
—	" Sundry Barrells		56.80
—	By Sundries	$25.75	
— 9	To Barrells &c:		122.35
— 15	" Barrells		65.85
—	By feathers	10.50	
— 30	To Sundry Barrells		180.80
Dec. 5	By Aft fav. Ms Henry	350	
—	" Aft fav. Wm Henry sen.	50	
	To balance to new a/c	25.68½	
		$461.93½	$461.93½
Dec. 1	To balance brot down		25.68½
— 8	By Sundries pr. bill	$35.45	
— 13	To Sundry barrells 17		65.40
— 19	" 18 Barrells		67.20
— 24	" 20 Barrells		84
—	By Sundry Coal &c:	33.20	
Jany 5	" Acceptance fav. J F Wolle	173	
	Balance	63½	
		$242.28½	$242.28½
Jany 5	To balance		63½
— 2	" Sund Barrells 16		66.40
— 6	" 24 Barrells		93.60
— 20	" 29 ditto		121.40
—	By Cash	$3.0	
	To balance to new a/c	279.3½	
		$282.3½	$282.3½
Feby 1st	To balance brot. down		$279.3½
—	" 37 No 2 & 8 No 3 Barrells		174.20
— 16th	" 25 Barrells		89
—	By a/c of old debt 2 months	$6	
	To balance to new a/c	$482.23½	
		$542.23½	$542.23½
	To balance brot. down		482.23½

Account current with George W Tryon 1819

1819 Feby 1st	To Balance brot over		20ct
Feby 2d	— 45 No. 2 rif Barrells		$171 —
March 9	By Aft fav. J Ford & F & K	$171 —	
	— Balance to new a/c	20	
		$171.20	$171.20
March 1st	To Balance brot. down		20
March	— 25 No. 1 Barrells see Feby 9th		85 —
—	— 43 No. 1 ditto see Feby 11th		146.20
— 2d	— 40 No. 2 & 2 No. 1 Barrells		160 —
March 1st	To Balance brot. down		20st
— 21	— 121 Barrells	544.40	$430 —
— 24	— 6 No. 1 Barrells a 3.40		$20.40
April 1	By Note discounted East. Bank	430	
	By balance to new a/c	20.60	
Mar 17th	Omitted 6 Bar: $23.	450.60	$450.60
April 1	To Balance as above		$20.60
June 2	— Dft. of Jonathan Demuth		16 —
June 22	By Sundries	36.60	
		$36.60	$36.60
June 23	By Aft on Konigmacher & Co.	$151.00	
Aug 30th	To 6 No. 2 Barrells		$22.80

Account current with J Joseph Henry 1819

1819 March 1st	To Balance brot over		$482.72½
— 2d	— a/c Peter Steiner		55.50
—	— 60 No. 2 rif Barrells a 3.80		228.00
1819 February 1	To Balance brot. over		$279.32½
— 1	— 37 No. 2 & 8 No. 3 Barrells		174.20
—	By Aft fav. M S Henry Jany 25th 60 days	$280	
March 2d	To a/c Peter Steiner		$59 —
— 10	By Aft M S H — 60 days	174	
— 17	To 136 Barrells		506.80
— 20th	By 3 months pay on old a/c	90	to April 1st 1819
	To Balance to new a/c	475.32½	
		$1019.32½	$1019.32½
March 21st	To Balance brot. down		$475.32½
— 23	By Sund. Steel, Oil &c.	$54.91	
— 24	To 40 Barrells	~~145~~	148 —
April 1	By W Henry $50 M S H $8	58	
	By balance to new a/c	510.12½	
		$623.32½	$623.32½
April 1	To Balance brot. down		$510.12½
— 16	— 20 Barrells		84 —
— 22	By your notes J F W & M S H	544.9	
—	— Gudgeon & a/c M S Henry	16.82	
May 5th	— a/c Henry Albright	6.35	
May 1	— One months pay on old a/c	30	
June 1st	— One ditto do. do.	30	
—	— Sundry Bar. on 6 no Credit		$51 —
	By balance to new a/c	17.86½	
		$645.12½	$645.12½
June 1st	To Balance from above		$17.86½
—	— a/c Peter Steiner		
—	— By Aft fav. Abr Faust	40	3.40
— 2d	— 1 Barrell		
—	By trusted Barrells 19.40 a/c M S H		
—	To a/c G W Tryon	22.40	13 —
—	By Sundry locks &c. &c.	82.60	
— 19	To Sundry Barrells		196.25
— 20	— Cash to Anlay		2 —
— 21	By Sund. Coal locks &c.	65.60	
July 1	By One months old a/c	30	

George W. Tryon Acc on 6 months credit

1819					
Feby 2.	By 33	Barrells	@ 3.40		$112.20
March 21	— 11	Ditto	@ 3.40		37.40
—	23 — 13	Ditto	@ 3.40		$149.60
					44.20
					$193.80
By note to Wd Henry date April 1st 1819 due in Sept.					$193.80
					430
					623.80

John Vos: Henry Acc 6 mo — Credit

1819					
March 21	By	1 Barrell	@ 3	—	$51 —

(carried to foregoing page)

Memo, Janry 3d 1820 Entered his name as Security on a Note due Heller & Corell by David Ward payable 6 months after date with interest for $41.74 paid to the Prop. $41.74

J Vos & Wm H Henry

Memo. March 11th Entered our name as security on a note to J F Weller by D Ward payable 1st April 1821 with Int. $60.3ct

Memo. Entered our name as Security on a note given by David Bardile abt. 20th May last 1820 for Ward to Abr Stadler $53

Promised by Stadler to pay for Ward $11.59 ct on or abt 27th Nov. 1820

Heller & Corell	$41.74	Paid	
J F Weller	60.3		for D Ward $154.77
3 Bardile	20 —		
Stadler	53 —	Paid Mr. off	
	$173.33		

Entered our name as a note due J Kitchen by Fredrick Bodine payable March 15th 1820 due Twelve months after date with interest amt. paid $100 —

Valentine Boyer put his Cows (2) to pasture on the 15th June 1821 at 1½ p.r Mo. Each.

Memorandum of an agreement made & concluded this twenty fifth day of February eighteen hundred and nineteen by and between Fredrick Bodine and J Vos & Wm Henry of Bakkile township

J Vos: & Wm Henry agree to let a house, garden and a potatoe patch (about ½ of an acre of ground) lately occupied by matthew Rose upon the annexed conditions, viz:

Firstly, Said Fredrick Bodine agrees to work for said J Vos: & Wm Henry and receive the customary prices for such work as he may do — prices for welding rifle barrells at forty cents a piece when not exceeding four feet in length. Day work in the shop at One dollar and thirty seven ½ cents.

Secondly Said Fredrick Bodine agree to pay half yearly rent to said J Vos & Wm Henry, that is to say at the expiration of every six months to pay Twelve dollars for such time as he said Fredrick may occupy said house and lot. —

Thirdly Said Fredrick Bodine agrees to do his work in a workmanlike manner, and agrees in case any of his welded barrels should burst, by proving or on grinding not being above one half welded that is to say the half thickness of Iron either to appear the said blasted barrells and pay One Dollar to the said J Vos & Wm Henry, or in case he does not choose to repair the same to pay the sum of Three dollars for each & every one barrell so returned. Any Barrells being above one half welded in thickness of the Iron to be at no loss or expence

Fourthly any extraordinary deduction on prices of Barrells being made, it is understood and agreed to by said parties, that they may at any time agree as to prices different from what they are above stated. —

Fifthly Said parties hereby agree to give each other three months notice before either wishes to do away or render null & void the above articles of agreement.

Sixthly. Said parties have agreed to settle and pay up at the expiration of every six months, comencing on the date said Fredrick moves on the premises of said J Vos & Wm Henry

J Vos & Wm Henry

high water (5) 8 in at foot Bridge

Expences repairing Dam June 182[1] brake on the 29th M[ay]

June 12 – 30, July 1 – 3	Name
[illegible]	P Siegfried
[illegible]	I Siegfried
[illegible]	C Henkler
[illegible]	Peter Smith
[illegible]	Geo. Klinefelter
[illegible]	F Bodine
[illegible]	Wm Ward
[illegible]	P Meyer
[illegible]	
[illegible]	G Stadtler's 4 horse team
[illegible]	Board-mea[ls]
[illegible]	Whiskey

July 1821 (4 – 17)	Name
[illegible]	P. Smith
[illegible]	P Meyer
[illegible]	Geo. Klinef.
[illegible]	F Bodine
[illegible]	A Ward
[illegible]	P Bender
[illegible]	P Siegfried
[illegible]	
[illegible]	Whiskey
[illegible]	Board

Timber &c: used at repairing dam.

14 ps. 14 ft long 10 by 10
1 ps. 16 by 18 . 14 ft. long
3 ps. 10 by 10 , 10 ft. do.
1 ps. 8 by 8 . 20 ft. do.

940 feet 5/4 In yell. Pine
1003 feet 5/4 " ditto

Besides small timber &
Spike clamp – 50
Steeling 2 ends of a grubbing hoe
13 . 25 lb. Iron Bars
4460 new Spikes
Lever bar 0.2.6 lb.

12th Musket, rifle & Pistol Barrells of Iron

13th $5000

14th The establishment during the years 1817 & 15 was employed not only at Musket, rifle & Pistol Barrell making but on File making, Lock making & Musket mounting making; at that time the ~~subscribers~~ manufacture consumed more than double the quantity materials, employed 12 Men at Barrell making ~~employed~~ & all the machinery, from 10 to 14 men at fileing & forging locks 4 men at the filemaking and three at the Mounting forging & fileing, at that time the market value of the articles was from thirty to fifty per cent higher than at present & very brisk sales of all the different qualities of work, since 1816 the value as well as the sale of all the articles manufactured fell off to this time, the sales have become very limited & the decrease of workmen employed followed of course, the Filemaking was first entirely relinquished, then the Lock & mounting making, the inferiour qualities of work at present unsaleable

Memorandum of an agreement made and concluded this twenty second day of March AD one thousand eight hundred & twenty by and between Fredrick Bodine barrell Welder of Bushkill township in the county of Northampton of the One part & I Jos: & Wm Jr Henry Gun Makers of the other part to wit:

1st I Jos: & Wm Jr Henry agree to let to said Fredrick Bodine a certain house & lot occupied by said Fredrick at present upon the following condition that is to say said Fredrick is to pay Ten $ rent at the end of six months successively from and after the first day of April next ensuing the date hereof and keep in proper order, such as it was when said Fredrick rented, the house and garden

2d. Said Fredrick Bodine agrees to work for said I Jos & Wm Jr Henry and receive the customary prices for such work as he may do & for work special agreements, may by the parties be made memorandums of which shall be kept in book for that purpose singed by the parties or their representatives:

3d. Said Fredrick Bodine agrees to give the said I Jos & Wm Jr Henry three months notice either in person or writing before leaving the work or employ of said I Jos & Wm Jr Henry and in such case agrees to leave the house and lot on or before the expiration of the term of three months previously adjusting all accounts between the said parties.

4th Said I Jos & Wm Jr Henry agree to give said Fred: three months notice in manner above mentioned by said Fredrick, before leaving their premises or before they wish said Fredrick to leave the same They said I Jos & Wm Jr Henry promise during the next summer to erect a Bake oven convenient to the house said Fredrick resides in at their expence as also to lath & plaster the lower room in the house said Fredrick occupies — in witness whereof the parties have hereunto interchangeably set their hands & seals the day & year first above written

Witness present at signing George Kleinefelter

I Jos & Wm Jr Henry L.S.

Frederick Bodine L.S.

1820.
Aug 19th witness Dan Ward declared agreement null & void by giving notice of leaving work 3 months after date —

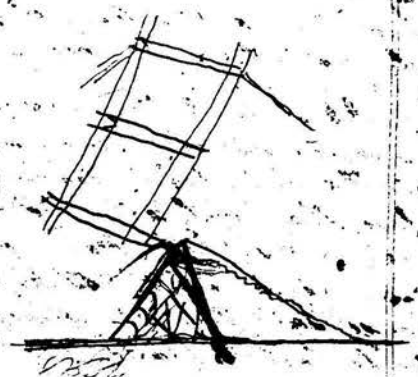
April 4th 1820.

agreed with Fredrick Bodine to pay him thirty nine cents, a piece for each and every musket Barrell said Fredrick may weld under the tilt hamer we I Jos: & Wm Jr Henry finding striker — respecting proof it is understood by & between the said parties, that if (95) ninety five Barrells out of each & every hundred said Fredrick may weld stands proof or inspection neither charge or credit is to be given on the ace, as five per cent is allowed on each & every hundred ~~[illegible]~~ ready for proof, whatsoever number above 95 out of the hundred may stand proof even up to the 100 + said I Jos & Wm Jr Henry agreed to pay One dollar for welding the same and said Fredrick Bodine agrees to pay in case more than five per cent should burst to pay at the rate of One dollar per piece — said I Jos & Wm Jr Henry agreed to find striker to sinking of and at the rate of Ten Barrells out of each hundred said Fredrick Bodine may weld

N.B. ~~altered the~~ number to 101 One hundred ~~[illegible]~~ One +

+ N.B. also in case some wants ~~[illegible]~~ piecing witness present

Jno Jos & Wm Jr Henry
Frederick Bodine



August 26th 1820

"Northampton Greens"

Purchased through the agency of I Dowler

4 vulcan feathers	a 1,50		$6 —
12 Heckel feathers	a 1		12 —
Mr. Dowlers trouble			1 —
			$19 —
Ditto 4 yds. green Linnen Oil cloth, 75cts			$3 —
Prices to Sales. Vulcan feathers	ea 1.50		$6 —
Heckel feathers	ea 1.8½cts		13 —
			$19 —

Lieut. Reitmauer	to 1 Vulcan feather	pd	$1.50
Ensign Engel	to 1 do. do.	pd	1.50
Sergt. Kitchen	to 1 Heckel feather	pd	1.8½
George Doudt	to 1 do. Day book do.	settled	1.8½
William Engel	to 1 do. do.	do	1.8½
John Ward Jr	to 1 do. do.	settled	1.8½

Henry Engel Day book	to 2 oil cloths	14½	29	
	2½ yds green binding		3¾	
	3 Plated buckels		6	38¾
George Doudt Day book	to 1 oil cloth for hat	3	14½	
	3 Buckels		6	
	2½ yds binding		3¾	24¼
Charles Kitchen	1 oil cloth for hat	3	14½	
pd	3 Plated buckels		6	
	2½ yds binding		3¾	24¼
George Faust Day book	1 oil cloth	5	14½	
	3 Buckels		6	
	2½ yds green binding		3¾	24¼
John Ward Jr Day book	1 oil cloth	6	14½	
	3 Plated buckels		6	
	2½ yds binding		3¾	24¼
George Smith	1 Heckel feather		$1.8½	
	1 Oil cloth	7	14½	$1.23
George Steinmetz	1 oil cloth	8	14½	
Ace [illegible]	[illegible] binding		3¾	18¼
Andrew Diehl	1 heckel feather		1.8½	
	1 oil cloth	9	14½	$1.23
Christopher Reitmauer	1 oil cloth	10	14½	
	3 buckels		6	
	2½ yds binding		3¾	24¼
Christian Daly	1 heckel feather		1.8½	$1.8½
	1 oil cloth [illegible]		14½	14½
				$1.22½
George Meyer	1 heckel feather		1.8½	
	1 oil cloth	12	14½	$1.23
Daniel Schaeffer	pr Lieut Reitmauer to 1 heckel feather			$1.8½
	1 oil cloth	13	14½	14½
				$1.22½

Boulton September 4th 1820.

Ordered for Philad.

3 doz red & green Heckel feathers $36
12 doz Plated buckels (this size) 3 —
1 Good drum & sticks — 8 —
$47 —

Rec. Oct 2d 1820.
3 doz red & green heckel feathers $1. 6¼
2 white & red do. do. 1. 25
Box &c. 25 cts freight 12½ — 3 72 —
Buckels 9 a

Sold William Michler 1 heckel feather $1. 6¼
~~Charles Kind 1 white & red top do 1. 25~~
25 cts p. No. 4 — 25 p. Dec 2 — Isaac Kind 1 do. do. 1. 25
Jonathan Yunker 1 heckel feather $1. 6¼
Northampton Green's 1 Drum &c. $7.
expences to Reason 25 7. 25
50 cts paid — John Ward (Cond. son) 1 heckel feather $1. 6¼
Christian Beissert 1 do. do. 1. 6¼ ×
Charles Kunkler 1 do. do. 1. 6¼ ×
Jonathan Romig 1 do. do. 1. 6¼
Fredrich Knecht 1 do. do. 1. 6¼
Jacob Wright 1 do. do. 1. 6¼
Thomas Gold 14 1 Oil cloth CR. 14½ cts
Christian Beissert 15 1 do. do. CR. 14½ ×
Jonathan Romig 16 1 do. do. CR. 14½
Jacob Meyer 17 1 do. do. CR. 14½
Jacob Wright 18 1 do. do. CR. 14½
Friedrich Knecht 19 1 do. do. CR. 14½
John Ward (Cond. son) 1 do. do. CR. 20 14½
Jacob Meyer 1 heckel feather $1. 6¼
Jacob Stant 1 do. do. 1. 6¼
Joseph Meyer 1 do. do. 1. 6¼

48
30
18

Mem: Charles Kind requested an order on Drum Major Charles Horn for Isaac Kind to be instructed, He said Horn had told him if the Brigade inspector would not pay for the instruction, he would not have any thing for his instruction, so I granted the order

William Henry Jr
Jany 19th 1820

Boulton May 26th 1821

paid Lieut R.C. 1 George Thomas 1 feather $1. 6¼
2 Joseph Engler do 1. 6¼
Charles Kunkler do 1. 6¼
1. 50¼
1. 6¼
1. 6¼
1. 6¼
1. 6¼
1. 6¼
1. 6¼

Charles Kunkler
1 heckel feather $1. 6¼

Jonathan Romig
1 heckel feather $1. 6¼
1 Oil cloth 14½
$1. 20¾

Fredrick Knecht
1 heckel feather 1. 6¼
1 Oil cloth 14½
$1. 20¾

Jacob Wright
1 Heckel feather $1. 6¼
1 Oil cloth 14½
$1. 20¾

Thomas Gold
1 Oil cloth 14½

Jacob Meyer
1 Oil cloth 14½
1 heckel feather 1. 6¼
$1. 20¾

Money to be collected for B Benade painting Oil cloths 25 cts a piece.

C Reitenauer × 25 — by W.H. p. by C.R.
G. H Engel × 25 — by W.H.
C Kitchen × 25 — by W.H.
Geo. Doudt × 25 — by W.H.
Wm Engel 25 — by W.H.
J Ward Jr 25 — by W.H.
J Ward × 25
Geo. Faust × 25
Geo. Smith 9 25 Sage 11 & 10¼
Geo Steinmetz 10 25 1. 48 9
Geo. Meyer 11 × 25 1. 48
And. Diehl 12 25 1 48
C Deily 13 × 25 1 6¼
D Straeffer 14 × 25 1 45¾
Thom. Gold 15 × 25 1 45¾
C Beissert 16 × 25 50
J Romig 17 × 25 1. 48
Jacob Meyer 18 × 25 1. 6¼
Jacob Wright 19 × 25 75
Fred: Knecht 20 × 25 1 6¼
$5. 00 94¼
Wm Henry Jr 21 25 39½
$5. 25. 30¼
3. 37½
19. 74½

5. 79
1. 74¾
4. 4¾
25
3. 79¾
1. 21¼

Joseph Meyer Dr.
To 1 heckel feather $1. 6¼

39½
39½
39½
39½
39½
39½
39½
39½
39½
39½
39½
39½
39½
1. 6¼
37½
$1. 6¼

Boulton September 4th 1820.

Ordered 3 doz red & green Heckel feathers $31.
fr 12 doz
Philad. 1 Good

Rec. Oct 2d 1820
3 doz
2 whe
Box
Bucke

Sold Willia

~~1.25 pd~~ ~~Charles~~
25 pd. Nov 4th
25 pd. Dec 2d
Isaac
Jonatha
Northam

50 cts paid John Wa
~~Christian~~
~~Charles~~
Jonatha
Fredrick
Jacob W
Thomas
~~Christal~~
Jonathan
Jacob W
Jacob Wr
Friedrich
John Wa
Jacob Mey
Jacob Sta
Joseph M

Mem: Charle
Major Ch
instructed
if the B
for the in
any thing
the order

"Northampton Greens" Oct. 28th

Lieut C Reitmauer
1 Vulcan feather 1.50
1 Oil cloth 14½
3 Buckels 6
2½ yds binding 3¾
$1.74¼

Sergt. C Kitchen
1 oil cloth 14½
3 Buckels 6
2½ yds binding 3¾
$0.24¼

George Smith
1 Heckel feather $1.8½
1 Oil cloth 14½
$1.23

George Steinmetz 6.10 / 9.40 14½ / 25 / 39½
1 Oil cloth 14½
2½ yds binding 3¾
18¼

Andrew Diehl
1 Heckel feather $1.8½
1 Oil cloth 14½
$1.23

Christian Deily
1 Heckel feather $1.8½
1 Oil cloth CR. 14½
$1.23

George Meyer
1 Heckel feather $1.8½
1 Oil cloth 14½
$1.23

Daniel Schaeffer
1 Heckel feather $1.8½
1 Oil cloth CR. 14½

William Michler
1 heckel feather $1.6¼

Charles Kind
~~1 white~~ heckel feather $1.25 ~~pd 1.25~~

Isaac Kind
1 white heckel feather 50 cts pd 1.25

Jonathan Junker
1 heckel feather 1.6¼

John Ward (Con. son) 50 cts pd.
1 heckel feather 1.6¼
1 oil cloth 14½
$1.20¾

Christian Beisert
~~1 heckel feather~~ 1.6¼
~~1 Oil~~ 14½
$1.20¾

Jany 19th 1820

Boulton May 26th 1821

be paid Lieut Rec. 1 George Thomas 1 feather $1.6¼
2 Joseph Engler do 1.6¼
3 Charles Heimer do 1.6¼
4 George Kuhn do 1.50
5 Phillip Belling do 1.6¼
6 George Johnson do 1.6¼
7 Thomas Stant do 1.6¼
8 ~~Benjamin~~ Alexander Davis do 1.6¼
9 George Hoch do 1.6¼
Sept 1st 1821 Abraham Knaus do 1.6¼

Oct. 9th 1821 as pr. C Reitmauer bill
Charles Kunkler 1 Oil cloth 39½
Charles Heimer Ditto 39½
George Johnson Ditto 39½
George Kuhn Ditto 39½
pr CR. Alexander Davis Ditto 39½
Jonathan Junker Do 39½
see PS. a/c John Steinmetz Do 39½
Joseph Meyer Do 39½
Phillip Belling Do 39½
Abraham Knaus Do 39½
× William Michler Do 39½
Nov. 1821 Peter Kehler to 1 feather 30. 1.6¼
May 7 1822 ~~Thomas~~ George Thomas to 1 woollen sash 37½ cts
paid Peter Dreisbach ~~on~~ heckel ~~feather~~ $1.6¼

No. total of Oil cloths made 21 / 12 / 33
of Heckle feathers &c: bought 48
4 Vulcan feathers 7
2 white & red feathers 8

Sold 4 Vulcan feathers 3 off. & bugler
2 white & red
31 Heckel feathers on a/c
32 oil cloths
33 oil cloth Painting

+ says he did not receive any oil cloth.

Barrells manufactured by William Henry

1821.	Rifle & Shot Gun,					Musket.	Total p.r Month.
Month	1	2	3	4	5		
JANY.	"	"	"	"	"	72. MB. Dull	72 -
Febr.	118	5.	"	"	"	" some demand	123 .
March.	49.	39	1.	10	28	" Several orders	127.
April	"	"	"	"	"	58. Dull "	58.
May.	"	"	26	"	"	32 " Dull "	58
June	19	"	22	"	"	" Dam Broke	41 -
July.	11	"	4	"	"	Repairs .	15 —

After the first of August 1821 commenced for

William Henry & Co.

Aug:					
Sept.					
Octo.r					
Nov.r					
Dec.r					

Wm Henry & Co 1821.

Sept. 3d — Offered Fred. Bodine 30ct a piece for Musket welding Musket Banells 50ct a piece he is to pay for all those returned burst or welders fault unfit for U.S. service & for those he repairs 10 cents credit will be allowed

not agreed to

September 5th

Memorandum of an Agreement made by & between William Henry & Co with Fredrick Bodine to wit:

Said Fredrick Bodine agrees to weld ~~musket~~ Musket Banells for which said W.H. & Co are to pay him (F.B.) Thirty cents apr for U.S. service they are to be done in a workmanlike manner, W.H. & Co to find the assistant — All musket Banells if found faulty previous to boring said Fredrick Bodine is to be at liberty to repair without any charge for coal, iron or other materials being made by said W.H. & Co. — Such M Banells as are found faulty previous to being sent to Philad. after they are bored & ground, said F Bodine is to repair & pay forty cents for the boring, grinding &c: NB also such as he (F.B.) repairs after inspection 40ct pr piece — Such M Banells as said Fredrick cannot repair after a due inspection he agrees to pay toward the expence of said Banells for each & every piece seventy five cents to W.H. & Co. — Those he pieces (said Fred. Bod.) he is only at a risk for ½ the Banell & that part where to be attached a new piece

Rent said (F.B.) is to pay seven Doll: & fifty cents every six months for house & lot now in his occupancy after 1st October 1821 Wm Henry & Co. will erect during 1821 a Bake oven near the said house

Boulton September 182[illegible]

12do

To Matthew's team horse to care & keep he finding feed & medicine — H Henry

7
2
5
3
3
20.

Deposited in M. S. Henry Mill 100 bushel of Rye. subject to my orders.

Daniel Hard my own use 7 bushel	
Jacob Dau[illegible] 2 bushels	
Ab. Hard order for 5 B.	
March 26 Jacob Dau[illegible] 3 bushels	
Jan Young 3 bushels Ry. Paid 1 18[illegible]	
J Hard 15 bush my own use	

Boulton 1826

J. Joseph Henry

Boulton 1826.

J. Joseph Henry

Questions to be addressed to the persons concerned in Manufacturing establishments by the Marshalls & their Assistants in taking the Acc. of Manufactures ——— 1820.

Name of the Cy Parish township town or city where the Manuf. exists } Northampton County, Buskill township

Raw materials employed } 1 The kind?
2 The quantity annually consumed?
3 The cost of the annual consumption?

Numbers of Persons employ } 4 Men?
5 women?
6 Boys & girls?

Machinery } 7 whole quantity & kind of Machinery?
8 Quantity of machinery in operation?

Expenditures } 9 Amount of Capital invested?
10 Amt. paid annually for wages?
11 Amt. of contingent expenses

Production } 12 The nature & names of articles manufact.?
13 Market value of the articles which are annually manufactured

14 General remarks concerning the establishment as to its actual & past condition the demand for & sale of its Manufactures.

1st. Iron and Steel

2d. 10 Tons Iron 10 Cwt. differents kinds steel

3. 1450 Dollars

4th. Eight workmen

5th. None

6th. None

7th. 4500 $ worth, Trip hammers 2, fires 4, drilling 2 1 Rough & 2 Smooth boring benches & turning machine 2 Barrells grindstones, 1 lesser Bit grindstone, with requisite lesser tools, the whole worked by water power, head & fall 21 ft. 6 in, fall 16 ft. head 5 ft. 6 in.

8th. 2000 $ worth

9 $16,000

10 $2000 -

11th. $350. — 400

Sundry expences by J. Ros & Wm. Henry

1814	Built a neeling & hardning house	$ 105
	Sustained a loss by the race breaking just above the forbay repairs cost	$ 250
	removing ground &c: conveyed by the water into the tilt house	10
	repairs at fences 1000 rails	50
		$ 415
1815	Raised the dam wale 2 ft 6 in & also raised the the dam frame 16 inches	$ 78
	Alterations in factory	150
	Built an addition to Boarding house 24 by 26 abt	750
	Built a new roughboring machine	100
	ditto a drilling machine	60
	ditto 2 grinders & milling benches	30
	repairs & alterations — cost	50
		$ 1218
1816	Made 50 perches new fence	25
	Partly dug a place for another mill	15
	repairs at grinding machinery	50
	filling ground on dam	20
	Expences in clearing a piece of ground	10
		$ 120
1817	Alteration in a story log house the smith fires &c: were removed	70
	Improved G Klinef: house	40
	Sundry alterations at old stable	15
	One new Smoothing bench	50
		$ 175
1818	Built a new barn	400
	Fencing gardens & yards & surfields	150
	1 new Smoothing bench	50
	Grindstone affairs altered	35
	Cellar & room in G K house	30
	Shaking to a house	60
	various other improvements pr memo	180
	1818	$ 905
	1817	175
	1816	120
	1815	1280
	1814	415
		$ 2895

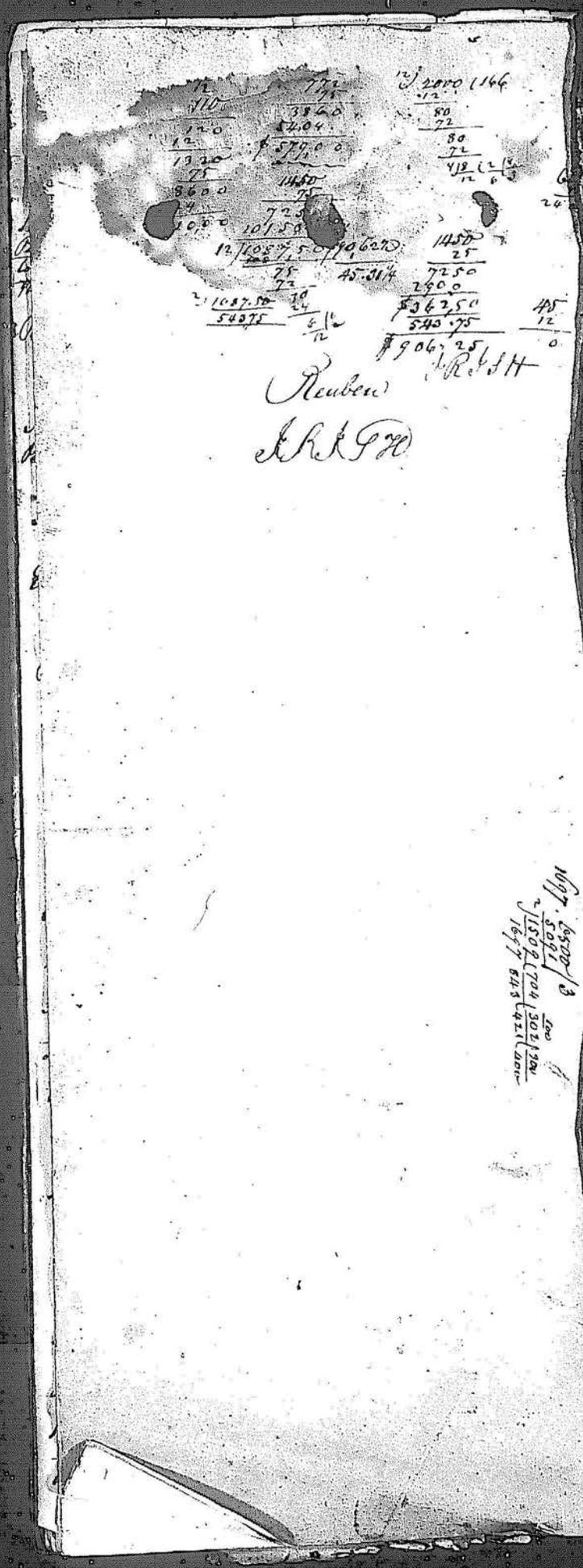
This amount is $1000 less than is supposed to have been laid out on improvements not here enumerated

Overrated

No	weigh	Sm:	Weld	Striker	cts
1	20	18	40	20	98
2	26	26	40	20	112
3	36	36	40	20	132
4	46	46	40	20	152
5	56	56	40	20	172
6	66	66	40	20	192
7	76	76	40	20	212

Prices Journeymen's wages making Barrells. July 1818. — reduced.

Numbers	Welder	Strikers	Roughboring	Smoothboring	Grinding	Total cost	Reduced	In what proportion reduced
	cts	cts	cts	cts	cts	cts	cts	
1	35	20	16	14	10	95	25	
2	35	20	22	20	10	107	43	18
3	35	20	34	32	10	131	49	6
4	40	22	46	44	10	158	67	18
5	40	22	56	54	10	182	73	6
6	48	26	66	64	10	214	91	18
7	48	26	76	74	10	234	101	10
	2d Calculation							
1	35	20	16	14	10	95	25	
2	35	20	22	20	10	107	43	18
3	35	20	35	33	10	133	51	8
4	40	22	44	42	10	154	63	14
5	40	22	58	56	10	186	77	10
6	48	26	64	62	10	210	95	14
7	48	26	76	74	10	234	101	6
	3d No. 1		16	14	10	40	10	
		2	21	19	10	50	10	
		3	26	24	10	60	10	
		4	31	29	10	70	10	
		5	36	34	10	80	10	
		6	41	39	10	90	10	
		7	46	44	10	100	10	
		1	16	14	10	40	10	
		2	22	20	10	52	[illegible]	12
		3	30	28	10	68	42	14
		4	40	38	10	88	52	10
		5	50	48	10	108	62	10
		6	60	58	10	128	72	10
		7	70	68	10	148	82	10
		8						
1	35	20	15	14	10	94	26	
2	35	20	21	20	10	106	44	18
3	35	20	29	27	10	120	64	20
4	40	22	38	37	10	147	70	6
5	40	22	48	47	10	167	96	26
6	48	26	58	57	10	199	106	10
7	48	26	68	67	10	219	116	10

weld	Forging	total	redu	total reduced
35	20	50	15	25
35	20	55	do	43
do	do	do	do	57
40	22	62	23	75
do	do	do	do	85
48	26	74	31	103
do	do	do	31	113

14