

**CIHM  
Microfiche  
Series  
(Monographs)**

**ICMH  
Collection de  
microfiches  
(monographies)**



**Canadian Institute for Historical Microreproductions / Institut canadien de microreproductions historiques**

**© 1994**

Technical and Bibliographic Notes / Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.

- Coloured covers/  
Couverture de couleur
- Covers damaged/  
Couverture endommagée
- Covers restored and/or laminated/  
Couverture restaurée et/ou pelliculée
- Cover title missing/  
Le titre de couverture manque
- Coloured maps/  
Cartes géographiques en couleur
- Coloured ink (i.e. other than blue or black)/  
Encre de couleur (i.e. autre que bleue ou noire)
- Coloured plates and/or illustrations/  
Planches et/ou illustrations en couleur
- Bound with other material/  
Relié avec d'autres documents
- Tight binding may cause shadows or distortion  
along interior margin/  
La reliure serrée peut causer de l'ombre ou de la  
distorsion le long de la marge intérieure
- Blank leaves added during restoration may appear  
within the text. Whenever possible, these have  
been omitted from filming/  
Il se peut que certaines pages blanches ajoutées  
lors d'une restauration apparaissent dans le texte,  
mais, lorsque cela était possible, ces pages n'ont  
pas été filmées.

- Coloured pages/  
Pages de couleur
- Pages damaged/  
Pages endommagées
- Pages restored and/or laminated/  
Pages restaurées et/ou pelliculées
- Pages discoloured, stained or foxed/  
Pages décolorées, tachetées ou piquées
- Pages detached/  
Pages détachées
- Showthrough/  
Transparence
- Quality of print varies/  
Qualité inégale de l'impression
- Continuous pagination/  
Pagination continue
- Includes index(es)/  
Comprend un (des) index
- Title on header taken from: /  
Le titre de l'en-tête provient:
- Title page of issue/  
Page de titre de la livraison
- Caption of issue/  
Titre de départ de la livraison
- Masthead/  
Générique (périodiques) de la livraison

- Additional comments: / Part of pages 5-8 is missing.  
Commentaires supplémentaires: Copy has manuscript annotations.

This item is filmed at the reduction ratio checked below/  
Ce document est filmé au taux de réduction indiqué ci-dessous.

10X	12X	14X	16X	18X	20X	22X	24X	26X	28X	30X	32X
							✓				

The copy filmed here has been reproduced thanks to the generosity of:

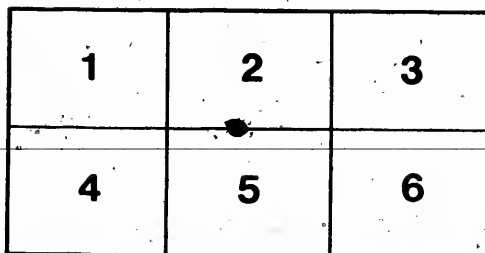
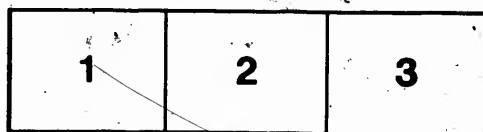
Thomas Fisher Rare Book Library,  
University of Toronto Library

The images appearing here are the best quality possible considering the condition and legibility of the original copy and in keeping with the filming contract specifications.

Original copies in printed paper covers are filmed beginning with the front cover and ending on the last page with a printed or illustrated impression, or the back cover when appropriate. All other original copies are filmed beginning on the first page with a printed or illustrated impression, and ending on the last page with a printed or illustrated impression.

The last recorded frame on each microfiche shall contain the symbol → (meaning "CONTINUED"), or the symbol ∇ (meaning "END"), whichever applies.

Maps, plates, charts, etc., may be filmed at different reduction ratios. Those too large to be entirely included in one exposure are filmed beginning in the upper left hand corner, left to right and top to bottom, as many frames as required. The following diagrams illustrate the method:



L'exemplaire filmé fut reproduit grâce à la générosité de:

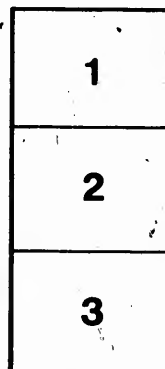
Thomas Fisher Rare Book Library,  
University of Toronto Library

Les images suivantes ont été reproduites avec le plus grand soin, compte tenu de la condition et de la netteté de l'exemplaire filmé, et en conformité avec les conditions du contrat de filmage.

Les exemplaires originaux dont la couverture en papier est imprimée sont filmés en commençant par le premier plat et en terminant soit par la dernière page qui comporte une empreinte d'impression ou d'illustration, soit par le second plat, selon le cas. Tous les autres exemplaires originaux sont filmés en commençant par la première page qui comporte une empreinte d'impression ou d'illustration et en terminant par la dernière page qui comporte une telle empreinte.

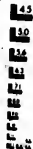
Un des symboles suivants apparaîtra sur la dernière image de chaque microfiche, selon le cas: le symbole → signifie "A SUIVRE", le symbole ∇ signifie "FIN".

Les cartes, planches, tableaux, etc., peuvent être filmés à des taux de réduction différents. Lorsque le document est trop grand pour être reproduit en un seul cliché, il est filmé à partir de l'angle supérieur gauche, de gauche à droite, et de haut en bas, en prenant le nombre d'images nécessaire. Les diagrammes suivants illustrent la méthode.



MICROCOPY RESOLUTION TEST CHART

(ANSI and ISO TEST CHART No. 2)



APPLIED IMAGE Inc

1653 East Main Street  
Rochester, New York 14609 USA  
(716) 482-0300 - Phone  
(716) 288-5989 - Fax



**The James Smart Manufacturing Co's. Works, Brockville, Ont.**

The James Smart Manufacturing Co.'s Works, Brockville, Ont.

THE

JAMES SMART MANUFACTURING CO.

BROCKVILLE

(LIMITED)

HARDWARE  
-  
CATALOGUE

1885

OFFICE, WAREHOUSES, AND WORKS

*BROCKVILLE, ONT.*

CANADA

McKAY BROS., PRINTERS, TORONTO.

America  
Ames S  
Anvils a  
Automat  
Auger G  
Axle Pu

Babbit M  
Bagger  
Ball Pol  
Ball Sha  
Bands, C  
Barn Do  
Barn Do  
Barn Do  
Barn Do  
Barn Do  
Barrel J  
Bed Cas  
Bed Fas  
Bedstea  
Bells, D  
Bells, D  
Bench S  
Bird Cap  
Blacksm  
Blind H  
Blower S  
Bolster I  
Bolts, B  
Bolts, C  
Bolts, F  
Bolts, S  
Bolts, S  
Bolts, S  
Book Ra  
Bolt Jac  
Boring M  
Boring M  
"Boss"  
Brace D  
Braces,  
Brackets  
Brackets  
Brass Sc  
Bread P  
Bread P  
Building S  
Buttom,  
Butts, L

	PAGE.
American Meat and Vegetable Choppers	108
Ames' Sausage Stuffers	110
Anvils and Vices	148
Automatic Boring Machines	145
Automatic Tire Upsetters	155
Auger Gate Hinges	81
Axle Pulleys	58

### B

Babbit Metal	162
Baggage Trucks	161
Ball Pole Sockets	168
Ball Shaft Sockets	167
Bands, Carriage	169-173
Barn Door Latches	13-14
Barn Door Hangers	70-73
Barn Door Hasps and Latches	15
Barn Door Rail	70-73
Barn Door Rollers	73
Barrel Bolts	49
Bed Casters	133
Bed Fasteners	130-131
Bedsteads, Iron	115
Bells, Door	62-65
Bells, Dumb	112
Bench Screws	140
Bird Cage Hooks	38
Blacksmith's Drill	151-153
Blind Hinges	60-61
Blower Stands	97
Bolster Plates	162
Bolts, Barrel	49
Bolts, Chain Door	46
Bolts, Foot	47
Bolts, Spring Bar	166
Bolts, Square	49
Bolts, Square Casel	48
Book Racks	185
Boot Jacks	87
Boring Machines	143-145
Boring Machine Augers	144
"Boss" Drilling Machines	153
Brace Drills	150
Braces, Iron	142
Brackets, Shell	50-51
Brackets, Towel Roller	101
Brass Scale Weights	127
Bread Pans, "Vienna"	103
Bread Strap Slides	165
Buffing Washers	76
Buttons, Door	57
Butts, Loose Pin	67-69

### C

	PAGE.
Cake and Roll Pans	103
Can Handles, Milk	122
Carpenters' Boring Machines	141-145
Carpenters' Cramp Screws	140
Carpet Sweepers	105
Carriage Bands	169-173
Cart Boxes	163
Cars, Hand	161
Carvers' Friend	100
Casters, Bed	133
Casters, Curd Sink	123
Casters, Organ	134
Casters, Philadelphia	132
Casters, Plate	132
Casters, Sink	123
Casters, Store Truck	134
Catches, Cupboard	48
Chain Door Bolts	46
Chair Pivots	137
Chair Screws	137
Chandelier Hooks	37
Charcoal Irons	90
Check Valves	203
Cheese Hoop Handles	122
Cheese Press Screws	123
Cheese Vat Gates	124
Chest Handles	43-45
Cider Press Setwos	121
Cistern Pumps	187-190
Clamps, Quilt Frame	110
Clamps, Screw	139
Clark's Blind Hinges	61
Clark's Gate Fixtures	82
Climax Barn Door Hangers	71
Clips, Paper	176
Clothes Reel Irons, Revolving	85
Clothes Line Hooks	84
Clothes Line Pulleys	84
Clothes Wringers	106-107
Cochmakers' Vices	149
Coat and Hat Hooks	22-29
Coal Shovels	93-94
Coals for Force Pumps	217
Coe's Drills	152
Coffe Pot Stands	92
Coffee Pot Stands	105
Combination Mops and Brush Holders	181-183
Copying Presses	112
Cork Pressers	118
Corn Shellers	118
Cottage Latches	17
Cramp Screws, Carpenters	140
Crank Door Bells	65
Creamer Gates	124
Cupboard Catches	48
Curd Sink Casters	123



Door Hangers, Barn	10-19
Door Hangers, Parlor	70-73
Door Knockers	75
Door Latches, Barn	65
Door Pulls	13-14-15
Door Rail, Sliding	20-21
Door Rail, Barn	74
Door Rings, Flush Trap	70-73
Door Rollers, Barn	44
Door Sheaves, Sliding	71
Door Springs, Spiral	74
Double Plate Barn Door Hangers	66
Drawer Pulls	72
Drills, Blacksmiths	39-42
Drills, Coe's	151-153
Drills, Coe's	150
Drills, Coe's	152
Drilling Machines	152-153
Drive Well Points	223
Pump Bells	112

**E**

Eclipse Stove Pipe Dampers	114
Encaued Screw Pulleys	59
Excelsior Barn Door Hangers	73
Extra Large Upright Drills	153
Engine Well Pumps	109-201
Eureka Tire Unsetters	155

**F**

Files, Paper	174-175
Fire Iron Stands	95-96
Fire Shovels	93-94
Fire Tong	91
Fixtures, Gate	82-83
Fixtures, Grindstone	141
Floor Registers	114
Flush Chest Handles	44-45
Flush Sash Lifts	52
Flush Trap Door Rings	44
Fluters, Geneva	107
Foot Bolts	47
Foot Scrapers	86
Foot Valves	203
Force Pumps	204-216
Force Pump Cocks	217
Force Pump Couplings	217
Fruit, Lard and Jelly Presses	109

**G**

Garretson's Blind Hinges	61
Garden Rollers	117
Gate Hinges	78-81
Gate Fixtures	82-83
Gate Latches	77
Gates, Cheese Vat	124-125
Gates, Creamer	124
Gates, Molasses	125
Geneva Fluters	107
Grindstone Fixtures	141
Grindstones, Kitchen	118

Handles, Cheese Hoop	89
Handles, Chest	89
Handles, Door	89
Handles, Store Door	11-12-18-19
Handles, Milk Can	292
Hangers, Barn Door	70-73
Hangers, Parlor Door	75
Hatchets, Shingling	102
Harpoon Hay Forks	119
Hat and Coat Hooks	21-29
Hat Rack Pans	136
Hay Forks	119
Hay Fork Pulleys	119
Hay Press Screws	121
Hearse Rollers	133
Hinges, Gate	78-81
Hinges, Blind	60-61
Hollow Ware	104
Hooks, Bird Cage	38
Hooks, Chandelier	17
Hooks, Clothes Line	84
Hooks, Hall	33-34
Hooks, Harness	35
Hooks, Hat and Coat	23-29
Hooks, Hotel or School House	32-33
Hooks, Lamp	37
Hooks, School House	30-31
Hooks, Wardrobe	36
Horse Pokes	120
Horse Lawn Mowers	116
Horse Weights	162
Hose for Force Pumps	218
Hose Reels	218
Hose Couplings	218
Hotel or School House Hooks	30-32

**I**

Iron Bedsteads	178
Iron Bedsteads	115
Iron Bench Screws	140
Iron Braces	142
Iron Cutters	156
Iron Pipe	203
Iron Scale Weights	126
Iron Sinks	224
Iron Stove Pipe Thimbles	113
Irons, Charcoal	90
Irons, Clothes Reel	85
Irons, Sad	88
Irons, Tailors	90
Irons, Tuzere	150

**J**

Jack Screws	157-158
Jacks, Boot	87
Jelly Presses	109

**K**

Kettles, Sugar	104
Kettles, Tea	104
Kitchen Grindstones	118
Knife Sharpeners	150
Knockers, Door	65

Lamp Hooks	
Lard Presses	
Latches, Barn	
Latches, Gate	
Latches, Gate	
Latches, Thru	
Lawn Mower	
Lawn Rakes	
Lawn Roller	
Leeli's Gate	
Letter Box	
Lever Door	
Lever, Door	
Lifts, Sash	
Lifts, Shutters	
Loose Pin	
Match Safes	
Meat Cutters	
Meat and Ve	
Meat Pounder	
Miles' Meat	
Milk Can Ho	
Mills, Paint	
Molasses	
Mortising M	
Mortising M	
Mops	
Mowers, La	
Mrs. Potts	
Nail Hammer	
N. E. Gate	
New York G	
Niagara Mo	
Novelty Clo	
Nozzles for	
Organ Cater	
Paint Mills	
Pans, Cake	
Paper Clips	
Paper Files	
Paper Weigh	
Paragon Set	
Paragon Sch	
Parallel Vice	
Parker's Blin	
Parker's Gat	
Parlor Door	
Pen Racks	
Pen Racks	
Petroleum F	
Philadelphia	
Piano Stool	
Piano Stool	
Piano Stool	
Pitcher Spot	
Plain Pole S	
Plain Shaft	

Netherland

James Smart Manufacturing Co., Brookville, Ont.

INDEX

L

Lamp Hooks	37
Lard Presses	109
Latches, Barn Door	113-14
Latches, Cottage	15
Latches, Gate	17
Latches, Thru	77
Lawn Mowers	10-10
Lawn Rakes	116
Lawn Rollers	117
Leeb's Gate Fixtures	117
Letter Box Plates	83
Lever Door Bells	66
Levers, Door Bell	62
Lifts, Sash	63-64
Lifts, Shutter	52
Loose Pin Butts	54
	67-69

M

Match Safes	100
Meat Cutters	109
Meat and Vegetable Choppers	108
Meat Pounders	101
Miles' Meat Cutters	109
Milk Can Handles	122
Mills, Paint	138
Molasses Cans	125
Mortising Machines	146
Mortising Machine Chisels	146
Mops	105
Mowers, Lawn	116
Mrs. Potts' Irons	89

N

Nail Hammers	102
N. E. Gate Hinges	79
New York Gate Hinges	81
Niagara Mops	105
Novelty Clothes Wringers	107
Nozzles for Hose	218

O

Organ Cutters	134
---------------	-----

P

Paint Mills	138
Pans, Cake and Roll	103
Paper Clips	176
Paper Files	174-175
Paper Weights	177
Paragon School Seats	184
Paragon Seetees	185
Parallel Vices	147-149
Parker's Blind Hinges	60
Parker's Gate Hinges	78
Parlor Door Hangers	75
Pen Racks	179-180
Pen Racks and Inkstands	178
Petroleum Faucets	126
Philadelphia Casters	132
Philadelphia Lawn Mowers	116
Piano Stool Legs	135
Piano Stool Screws	136
Piano Stools	135
Picher Spout Pumps	188-190
Plain Pole Sockets	168
Plain Shaft Sockets	167

P

Plate Casters	112
Plates, Stair	79
Plumb Bolt	142
Pokes, Horse	120
Polishing Irons	88-89
Pots	104
Pounders, Meat	101
Prentiss' Parallel Vices	148
Presses, Cupping	181-181
Pulleys, Axle	58
Pulleys, Clothes Line	84
Pulleys, Hay Fork	110
Pulleys, Screw	59
Pulleys, Side	58
Pulls, Door	20-21
Pulls, Drawer	39-42
Pulls, Window	51
Pumps	186-216
Pump Cylinders	202
Pump Repairs	219-222

Q

Quilt Frame Clamps	139
--------------------	-----

R

Rail, Barn Door	73
Rail, Sliding Door	74
Railway Traversing Jacks	159
Rakes, Lawn	117
Registers	114
Revolving Clothes Reel Irons	85
Rollers, Barn Door	73
Rollers, Lawn and Garden	117
Roll Pans	101
Royal Canadian Wringers	106
Royal Dominion Wringers	106

S

Sad Irons	88
Sad Iron Stands	91
Sap Spouts	121
Sash Lifts	52
Sash Weights	56
Sausage Stuffers	110
Saw Filers' Vices	139
Scale Weights, Brass	127
Scale Weights, Iron	126
School House Hooks	30-32
School Seats	184
School Seat Castings	184
School Ink Wells	185
Scrapers, Foot	86
Screw Clamps	139
Screw Pulleys	59
Screws, Bench	140
Screws, Carpenters' Cramp	140
Screws, Chair	137
Screws, Cheese Press	123
Screws, Cider Press	121
Screws, Hay Press	121
Screws, Jack	157-158
Screws, Piano Stool	136
Screws, Shutter	55
Screws, Wine Press	121
Sectional Sash Weights	56
Self-adjustable Whip Sockets	165
Seetees	185
Sewer Traps	223
Shaft Sockets	167

# France

The James Smart Manufacturing Co., Brookville, O.

## \* INDEX \*

	PAGE.	PAGE.	
<b>S</b>			
(Continued.)			
Sheaves, Sliding Door	74	Tea Kettles	104
Shingling Hatches	102	Thumb Latches	10-16
Shell Brackets	50-51	Tire Benders	154
Shovels, Coal	93-94	Tire Upsetters	155
Shutter Lifts	54	Tobacco Cutters	111
Shutter Screws	55	Towel Roller Brackets	101
Side Pulleys	58	Tongs, Fire	91
Sinks	224	Trap Door Rings	44
Sink Casters	123	Traversing Jacks	159
Skeins, Wagon	163	Tripod Piano Stools	135
Skeleton Whip Sockets	164	Trucks, Baggage	161
Sliding Door Rail	74	Trucks, Warehouse	160
Sliding Door Sheaves	74	Truck Casters, Store	134
Sockets, Pole	168	Tuyere Irons	150
Sockets, Shaft	167	Twine Boxes	128-129
Sockets, Whip	164-165		
Spiders	104	<b>U</b>	
Spiral Door Springs	66	Umbrella Stands	98-99
Spiral Spring Gate Latches	77	Upright Drilling Machines	152-153
Square Bolts	49		
Square Case Bolts	48	<b>V</b>	
Spring Bar Bolts	166	Vienna Roll Pans	103
Stair Plates	76	Vices	147-149
Stands, Blower	97		
Stands, Fire Iron	95-96	<b>W</b>	
Stands, Coffee Pot	92	Wagon Skeins	163
Stands, Sad Iron	91	Wardrobe Hooks	36
Stands, Umbrella	98-99	Warehouse Trucks	160
Stebbins' Molasses Gates	125	Washers, Building	76
Store Door Handles	11-12-18-19	Water Bowls	180
Store Stools	76	Weights, Horse	162
Store Truck Casters	134	Weights, Paper	177
Stove Pipe Dampers	113	Weights, Sash	56
Stove Pipe Thimbles	113	Weights, Scale	126-127
Stow's Sausage Stuffers	110	Well Pumps	191-198
Stubs and Plates	55	Well Pump Cylinders	202
Stuffers, Sausage	110	Whip Racks	165
Suction Rod	203	Whip Sockets	164-165
Sugar Kettles	104	Window Pulls	53
Surface Chest Handles	43-45	Wine Press Screws	121
Surface Gate Hinges	80	Wringers, Clothes	106-107
<b>T</b>			
Tack Hammers	102		
Tailors' Irons	90		



S-PAIN

PAGE.  
104  
10-16  
154  
155  
111  
101  
91  
44  
159  
135  
161  
160  
134  
150  
128-129

98-99  
152-153

103  
147 149

163  
36  
160  
76  
180  
162  
177  
56  
126-127  
191-198  
202  
165  
164-165  
53  
121  
106-107

**HARDWARE CATALOGUE,**

The James Smart Manufacturing Company,

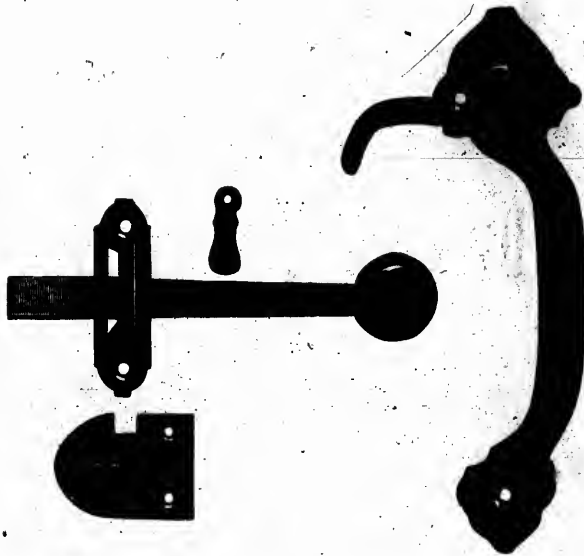
BROCKVILLE, ONT.

1885.

*[Handwritten scribbles and signatures]*

The James Smart Manufacturing Co., Brockville, Ont.

ITALY  
THUMB LATCHES.



HALF SIZE CUT No. 2.

JAPANNED.

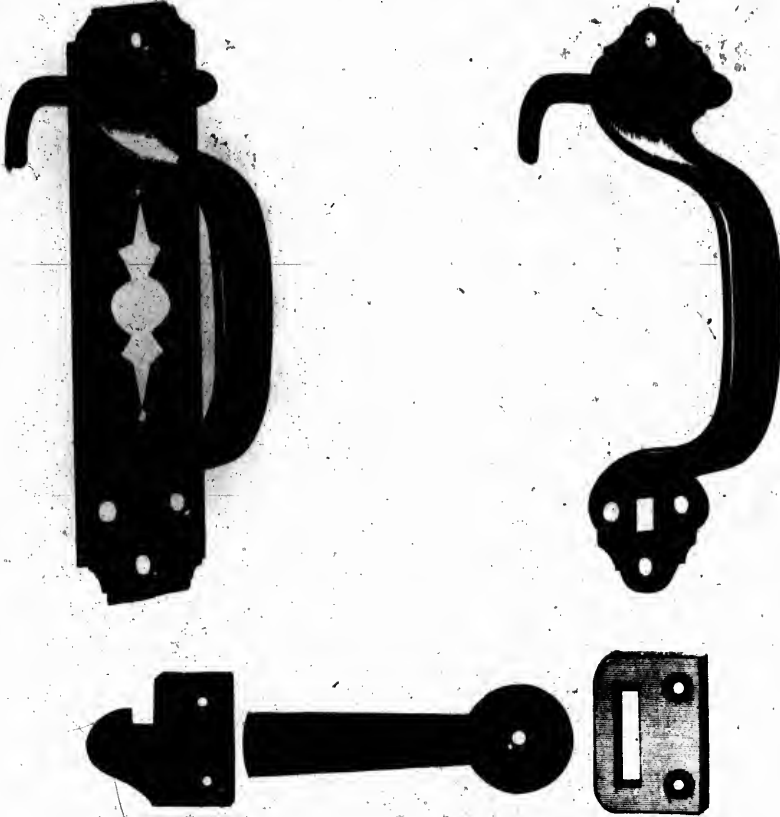
No. 1,	per dozen, \$0 80
No. 2,	per dozen, 90
No. 3,	per dozen, 1 00
No. 4,	per dozen, 1 25

Each set papered separately. One dozen in a box; twenty dozen in a case.

The James Smart Manufacturing Co., Brockville, Ont.

# STORE DOOR HANDLES.

*Russia*



HALF SIZE CUTS.

Reversible, either Right or Left Hand.

## EXTRA HEAVY LATCH, CATCH, AND SLIDE.

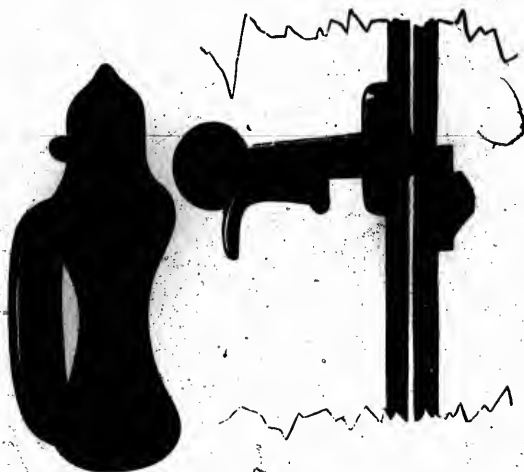
4-INCH. LATCHES. 7¼-INCH HANDLES.

No. 5, with plates,	per dozen, \$3 00
No. 105, without plates,	per dozen, 2 40

Each set papered separately. One dozen in box. Plates for No. 5 in separate package.  
Twelve dozen in case.

The James Smart Manufacturing Co., Brookville, Ont.

*Japan*  
STORE DOOR HANDLES.



HALF SIZE CUT.

Reversible, either Right or Left Hand.

HANDLE, INCLUDING PLATE, 6½ INCHES LONG. LATCH, 4 INCHES.

JAPANNED.

No. 9,

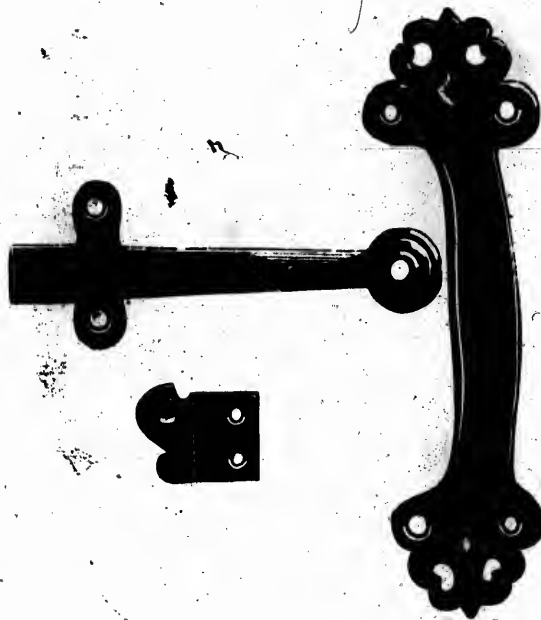
per dozen, \$3 00

Each set papered separately. Half dozen in box; twelve dozen in case.

The James Smart Manufacturing Co., Brockville, Ont.

*China*  
BARN DOOR LATCHES.

HEAVY.



HALF SIZE CUT.

HANDLE  $9\frac{1}{2}$  INCHES LONG. LATCH  $6\frac{1}{2}$  INCHES.

JAPANNED.

No. 6, complete, as per cut, - - - - - per dozen, \$2 50  
No. 106, without handles, - - - - - per dozen, 1 50

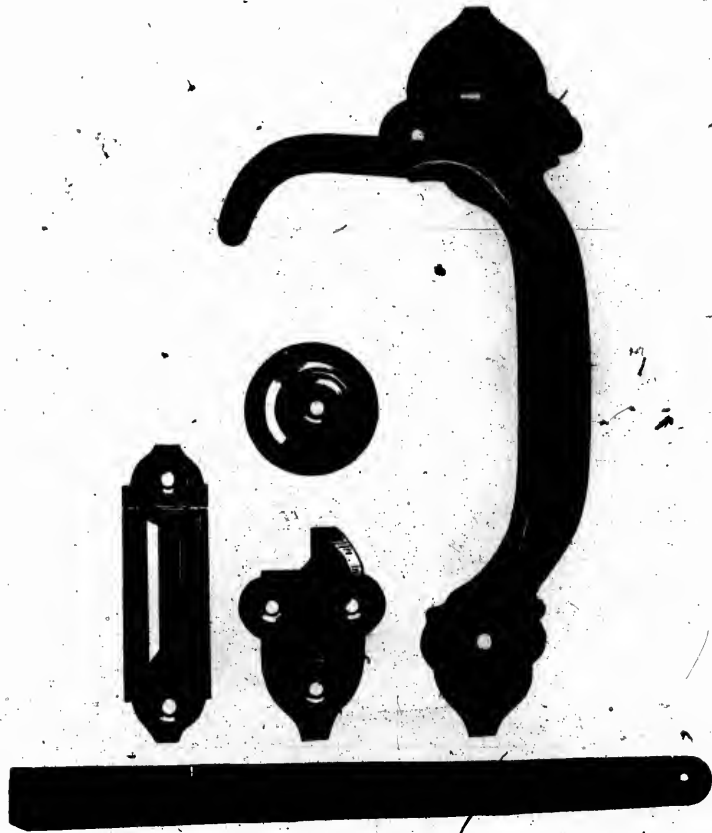
Each set papered separately. Half dozen in box ; six dozen in case.



The James Smart Manufacturing Co., Brockville, Ont.

# BARN DOOR LATCHES.

EXTRA HEAVY.



HALF SIZE CUT.

WITH WROUGHT LATCH. 9½-INCH HANDLE; 9-INCH LATCH.

## J A P A N N E D.

No. 7, complete as per cut,	- - - - -	per dozen, \$4 00
No. 107, without handles,	- - - - -	per dozen, 2 00

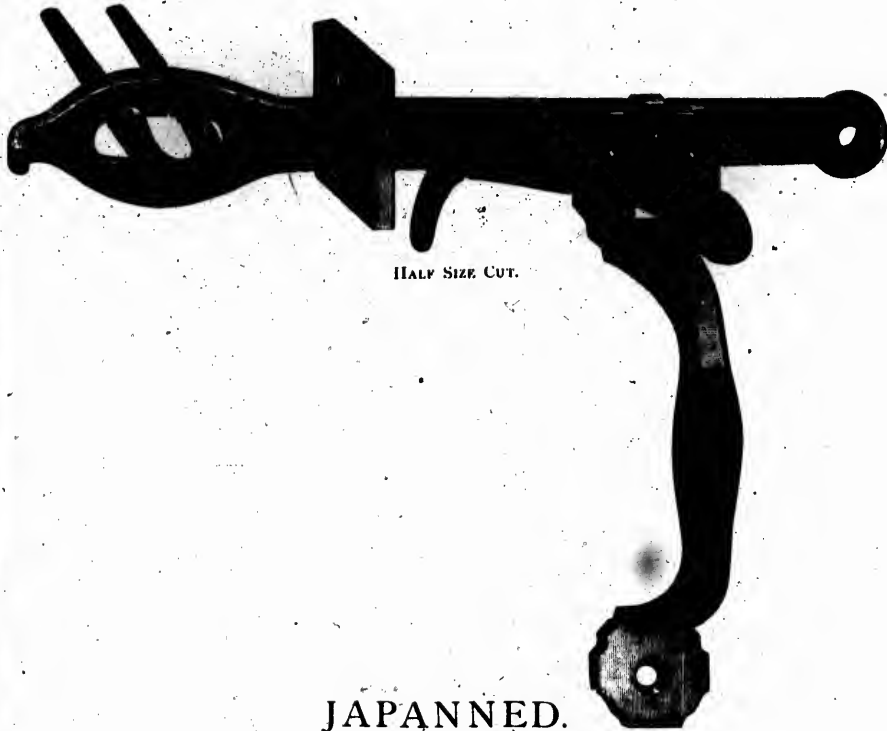
Each set papered separately. Half dozen in box; six dozen in case.

Ont.

The James Smart Manufacturing Co., Brockville, Ont.

# BARN DOOR LATCHES.

WITH HASP.



HALF SIZE CUT.

JAPANNED.

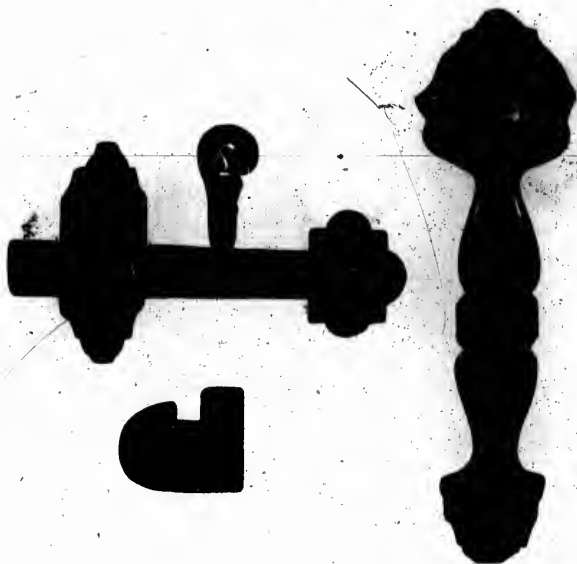
EXTRA HEAVY TWELVE-INCH HASP, WITH MALLEABLE STAPLE CATCH.  
NINE-INCH HANDLE.

No. 8, complete, as per cut, - - - - - per dozen, \$4 20

Each set papered separately. One dozen in box; six dozen in case.

1, \$4 00  
1, 2 00

## THUMB LATCHES.



HALF SIZE CUT.

HANDLE,  $6\frac{1}{2}$  INCHES LONG. LATCH,  $4\frac{1}{4}$  INCHES.

**BERLIN BRONZED, POLISHED.**

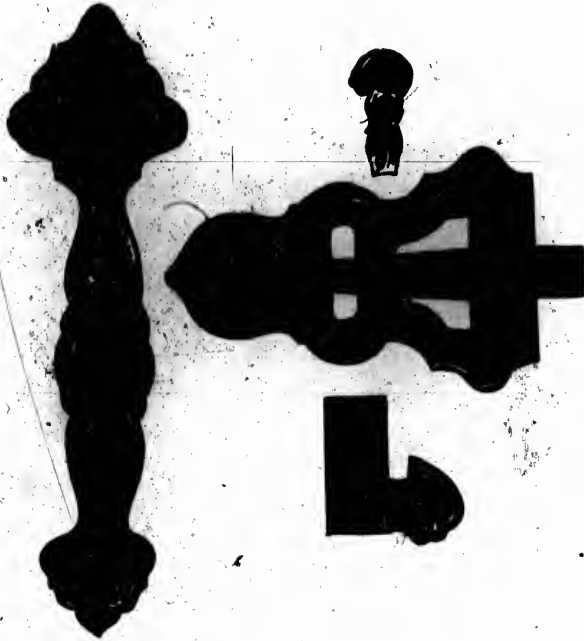
No. 15, packed with screws, - - - - - per dozen, \$2 50

**BERLIN BRONZED, PLAIN.**

No. 115, packed with screws, - - - - - per dozen, \$2 00

Each set papered separately. One dozen in box; twenty dozen in case.

## COTTAGE LATCHES.



HALF SIZE CUT.

HANDLE,  $7\frac{1}{4}$  INCHES. LATCH,  $4\frac{1}{4}$  INCHES.

**BERLIN BRONZED, POLISHED.**

No. 25, packed with screws, - - - - - per dozen, \$2 50

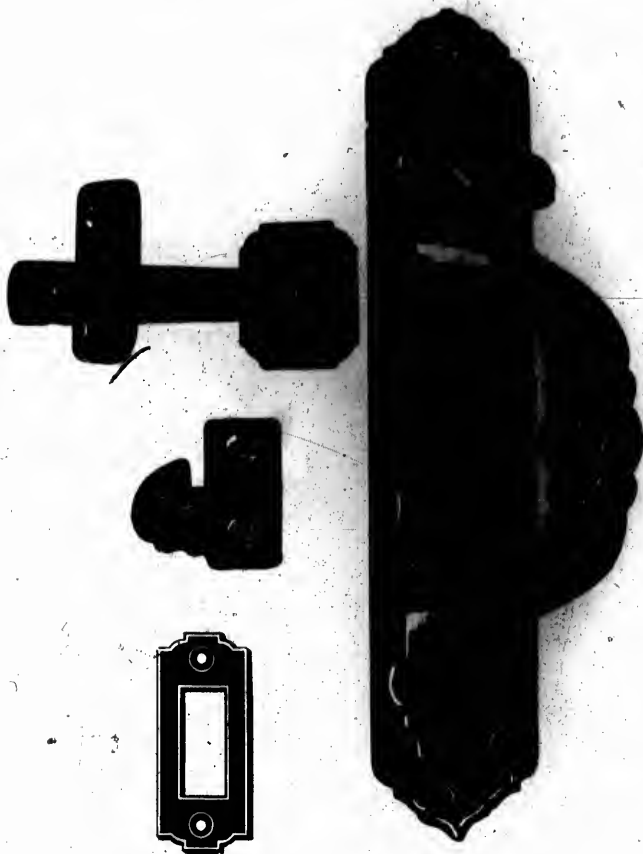
**BERLIN BRONZED, PLAIN.**

No. 125, packed with screws, - - - - - per dozen, \$2 00

Each set papered separately. Half dozen in box ; twelve dozen in case.

The James Smart Manufacturing Co., Brockville, Ont.

## STORE DOOR HANDLES.



TWO-THIRDS SIZE CUT.

HANDLE, 8 INCHES. PLATE,  $9\frac{1}{4}$  INCHES. LATCH,  $3\frac{1}{8}$  INCHES.

Reversible, either Right or Left Hand.

### BERLIN BRONZED, POLISHED.

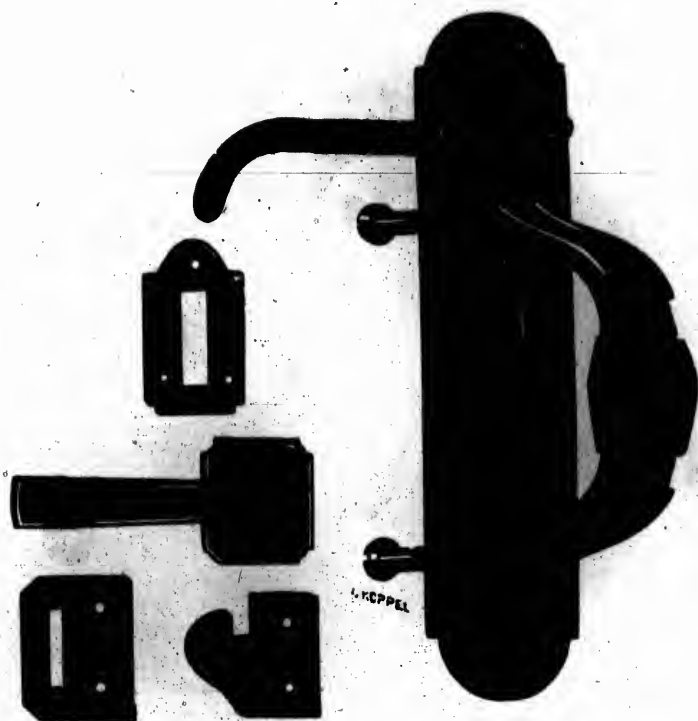
No. 20, with plates, packed with screws, - - - - - per dozen, \$5 50  
No. 201, without plates, packed with screws, - - - - - per dozen, 4 65

### BERLIN BRONZED, PLAIN.

No. 120, with plates, packed with screws, - - - - - per dozen, \$4 50  
No. 1201, without plates, packed with screws, - - - - - per dozen, 3 80

Each set papered separately. Half dozen in box; eight dozen in case.

## STORE DOOR HANDLES.



HALF SIZE CUT.

HANDLE, 5 $\frac{1}{4}$  INCHES. PLATE, 9 INCHES. LATCH, 3 $\frac{1}{2}$  INCHES.

Reversible, either Right or Left Hand.

**BERLIN BRONZED, POLISHED.**

No 30, Packed with screws, - - - - - per dozen, \$6 00

Each set papered separately. One-third dozen in box. Six dozen in case.

## DOOR PULLS.



No. 1.  
For Two Screws.



No. 2.  
For six Screws.  
HALF SIZE CUTS.



No. 3.  
For four Screws.

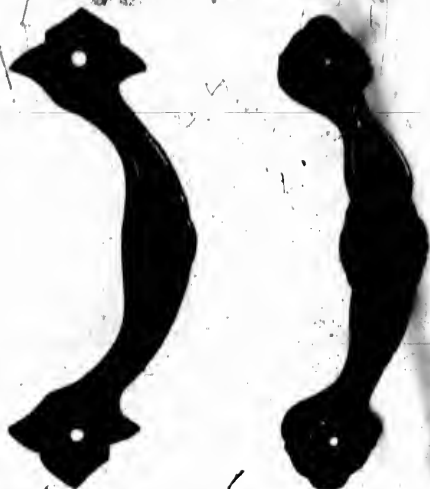
## JAPANNED.

No. 1, 6 inches long, - - - - -	per gross, \$ 5 50
No. 2, 6 1/4 inches long, - - - - -	per gross, 6 50
No. 3, 7 1/2 inches long, - - - - -	per gross, 14 40

NO. 3 IS EXTRA HEAVY.

Two dozen in a box.

## DOOR PULLS.



HALF SIZE CUTS.

No. 15 and 115.  
6 1/2 INCHES LONG.  
For two Screws.

No. 20 and 120  
6 1/4 INCHES LONG.  
For two Screws.

### BERLIN BRONZED, POLISHED.

No. 15, packed with screws,  
No. 20, packed with screws,

per dozen, \$1 00  
per dozen, 1 00

### BERLIN BRONZED, PLAIN.

No. 115, packed with screws,  
No. 120, packed with screws,

per dozen, \$0 70  
per dozen, 70

One dozen in box.



The James Smart Manufacturing Co., Brockville, Ont.

## HAT AND COAT HOOKS.



FULL SIZE CUT.

Nos. 0 and 100. For two screws.

**JAPPANED.**

No. 0, - - - - -

per gross, \$1 70

**COPPERED.**

No. 100, - - - - -

per gross, \$1 90

Half gross in box.



FULL SIZE CUT.

Nos. 1 and 101. For two screws.

**JAPPANED.**

No. 1, - - - - -

per gross, \$2 50

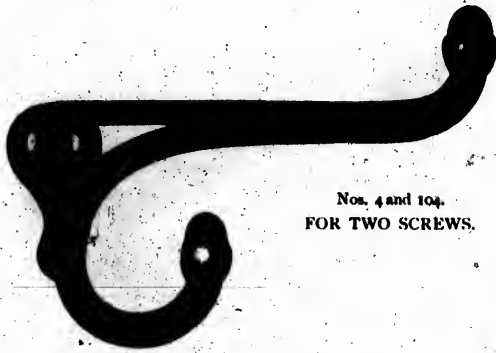
**COPPERED.**

No. 101, - - - - -

per gross, 2 70

Half gross in box.

# HAT AND COAT HOOKS.



Nos. 4 and 104.  
FOR TWO SCREWS.

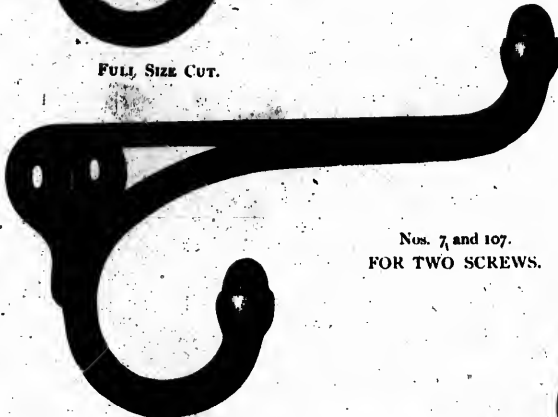
FULL SIZE CUT.

No. 4. . . . . per gross, \$2 00

**COPPERED.**

No. 104. . . . . per gross, \$2 20

Half gross in box.



Nos. 7 and 107.  
FOR TWO SCREWS.

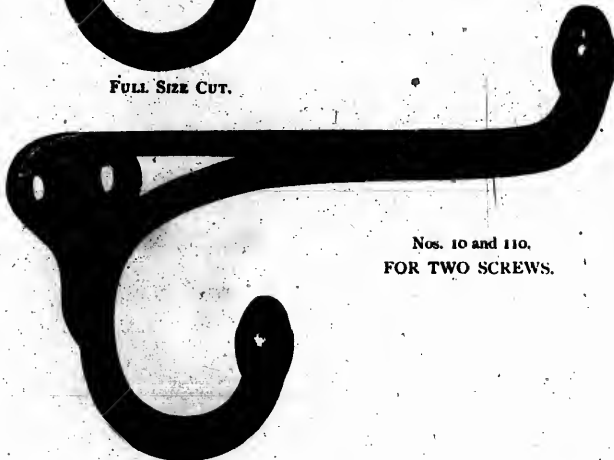
FULL SIZE CUT.

No. 7. . . . . per gross, \$2 80

**COPPERED.**

No. 107. . . . . per gross, \$3 00

Half gross in box.



Nos. 10 and 110.  
FOR TWO SCREWS.

FULL SIZE CUT.

No. 10. . . . . per gross, \$3 20

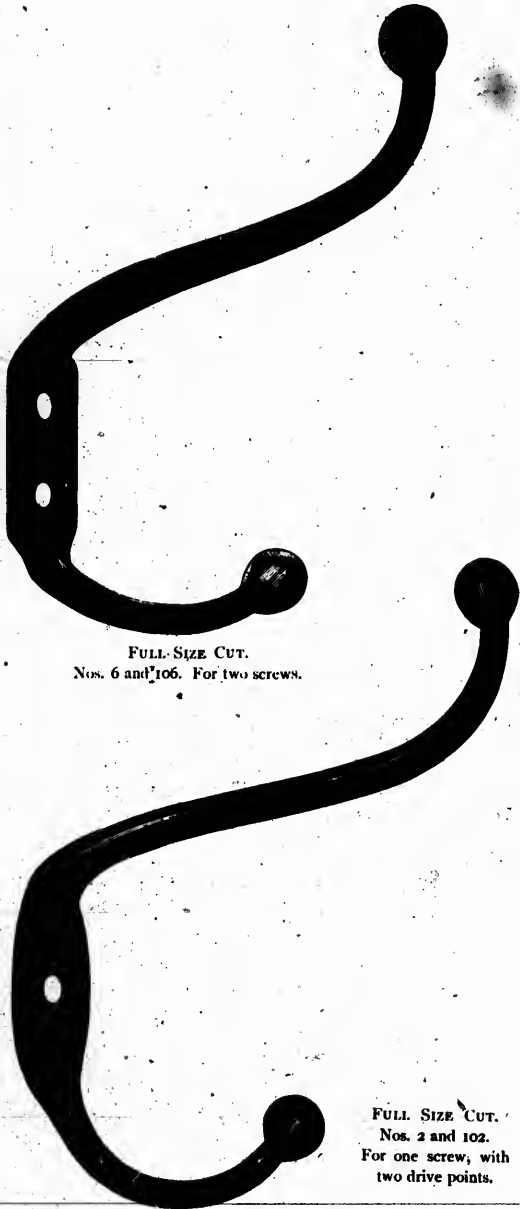
**COPPERED.**

No. 110. . . . . per gross, \$3 40

Half gross in box.

The James Smart Manufacturing Co., Brookville, Ont.

## HAT AND COAT HOOKS.



FULL-SIZE CUT.  
Nos. 6 and 106. For two screws.

FULL SIZE CUT.  
Nos. 2 and 102.  
For one screw, with  
two drive points.

### JAPANNED.

No. 6, . . . . . per gross, \$2 70

### COPPERED.

No. 106, . . . . . per gross, \$2 90

One-half gross in box.

### JAPANNED.

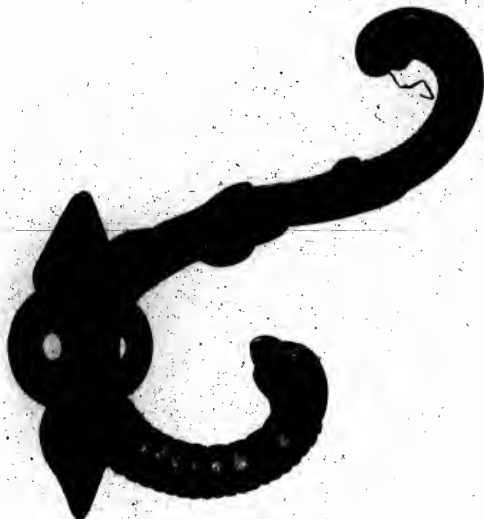
No. 2, . . . . . per gross, \$2 80

### COPPERED.

No. 102, . . . . . per gross, \$3 00

One-half gross in box.

## HAT AND COAT HOOKS.



FULL SIZE CUT.  
Nos. 25 and 125. For two screws.

**JAPANNED.**

No. 25, . . . . . per gross, \$3 20

**COPPERED.**

No. 125, . . . . . per gross, \$3 40

Half gross in box.



FULL SIZE CUT.  
Nos. 15 and 115. For two screws.

**JAPANNED.**

No. 15, . . . . . per gross, \$3 50

**COPPERED.**

No. 115, . . . . . per gross, \$3 70

Half gross in box.

## HAT AND COAT HOOKS.

FULL SIZE CUT.  
Nos. 28 and 128.  
For one screw, with one drive point.



**JAPPANED.**

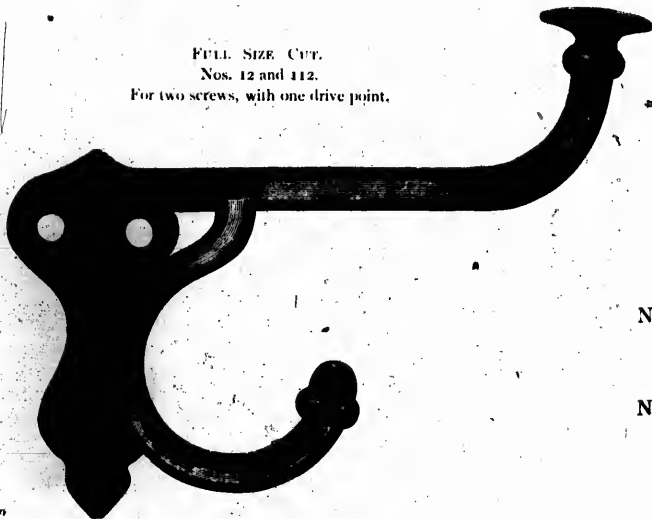
No. 28, . . . per gross, \$3 70

**COPPERED.**

No. 128, . . . per gross, \$3 90

Half gross in box.

FULL SIZE CUT.  
Nos. 12 and 112.  
For two screws, with one drive point.



**JAPPANED.**

No. 12, . . . per gross, \$4 70

**COPPERED.**

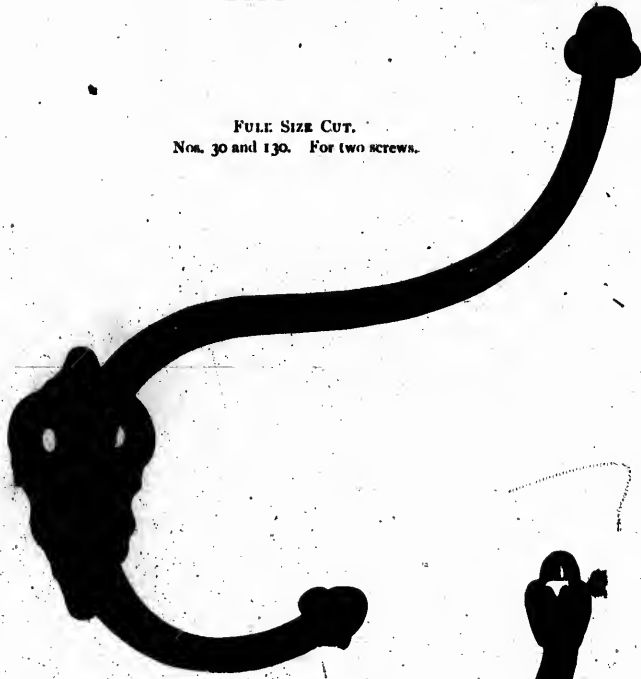
No. 112, . . . per gross, \$4 90

One-third gross in box.

The James Smart Manufacturing Co., Brockville, Ont.

## HAT AND COAT HOOKS.

FULL SIZE CUT.  
Nos. 30 and 130. For two screws.



**JAPANNED.**

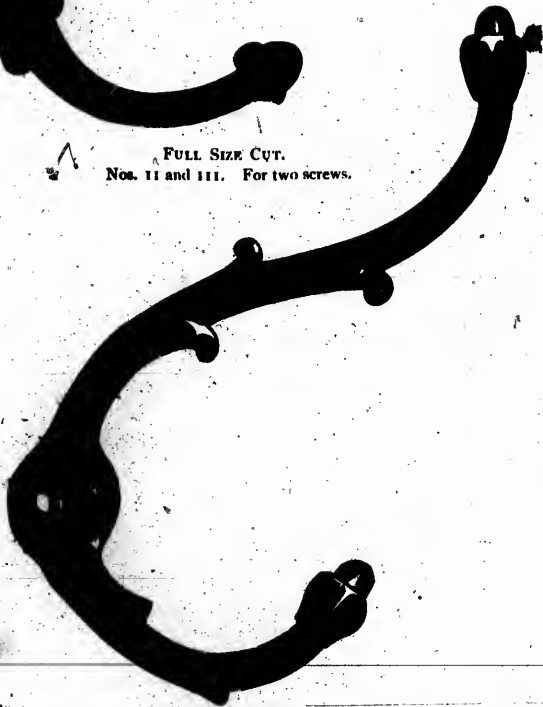
No. 30, . . . per gross, \$4 00

**COPPERED.**

No. 130, . . . per gross, \$4 20

One-third gross in box.

FULL SIZE CUT.  
Nos. 11 and 111. For two screws.



**JAPANNED.**

No. 11, . . . per gross, \$4 50

**COPPERED.**

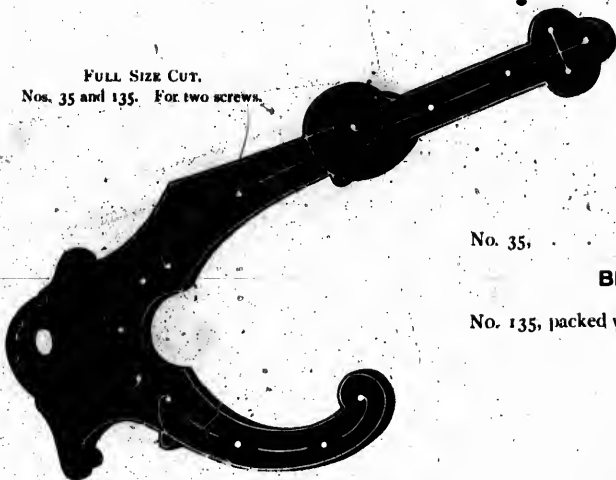
No. 111, . . . per gross, \$4 70

One-third gross in box.

The James Smart Manufacturing Co., Brockville, Ont.

## HAT AND COAT HOOKS

FULL SIZE CUT.  
Nos. 35 and 135. For two screws.



**COPPERED.**

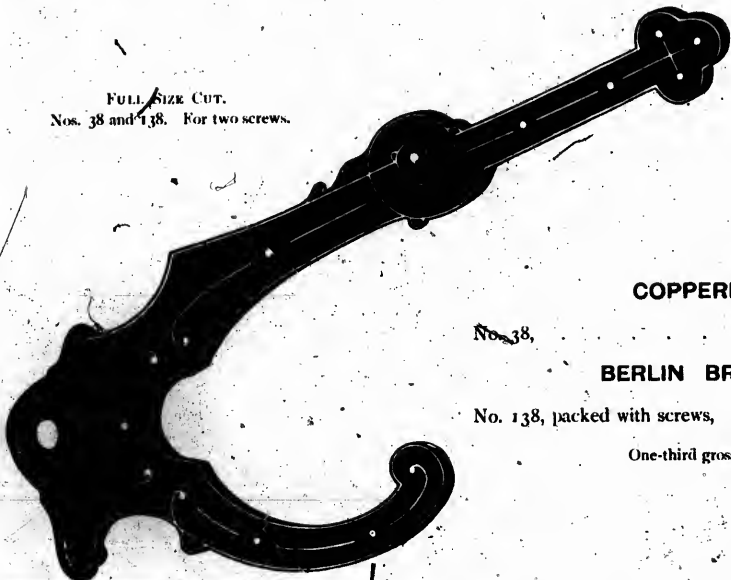
No. 35, . . . . . per gross, \$4 00

**BERLIN BRONZED.**

No. 135, packed with screws, . . . . . per gross, \$6 00

One-third gross in box.

FULL SIZE CUT.  
Nos. 38 and 138. For two screws.



**COPPERED.**

No. 38, . . . . . per gross, \$6 00

**BERLIN BRONZED.**

No. 138, packed with screws, . . . . . per gross, \$7 50

One-third gross in box.

## HAT AND COAT HOOKS.



FULL SIZE CUT.  
Nos. 40 and 140. For two screws.

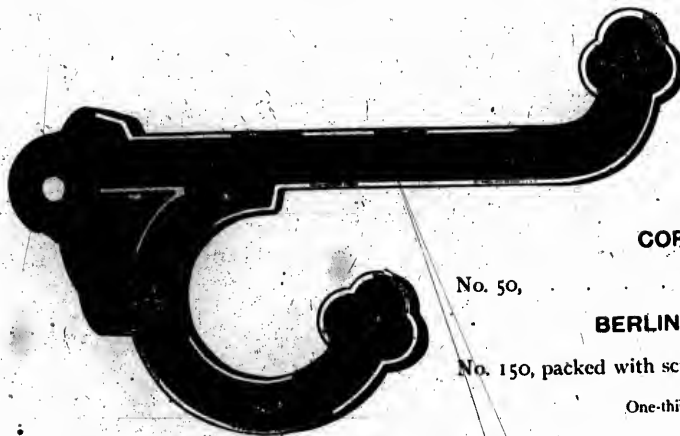
**COPPERED.**

No. 40, . . . . . per gross, \$4 80

**BERLIN BRONZED.**

No. 140, packed with screws, . . . per gross, \$6 00

One-third gross in box.



FULL SIZE CUT.  
Nos. 50 and 150. For two screws

**COPPERED.**

No. 50, . . . . . per gross, \$4 80

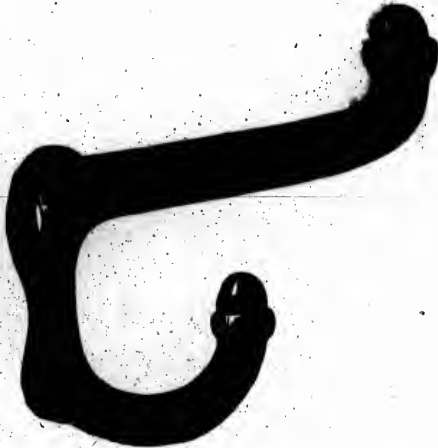
**BERLIN BRONZED.**

No. 150, packed with screws, . . . per gross, \$6 00

One-third gross in box.



HÔTEL OR SCHOOL HOUSE HOOKS.



FULL SIZE CUT.  
Nos. 17 and 117. For two screws.

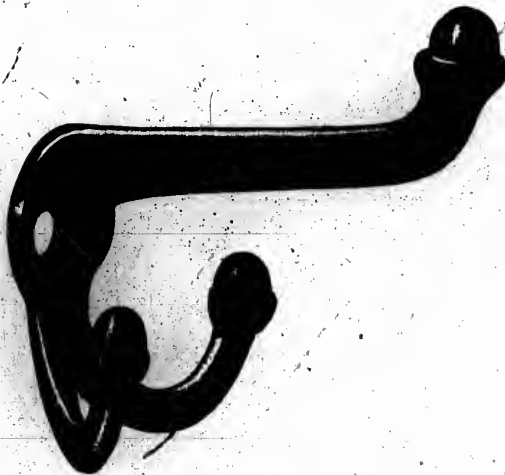
JAPPANED.

No. 17, . . . . . per gross, \$4 00

COPPERED.

No. 117, . . . . . per gross, \$4 30

Half gross in box.



FULL SIZE CUT.  
Nos. 17½ and 117½. For two screws.

JAPPANED.

No. 17½, . . . . . per gross, \$4 50

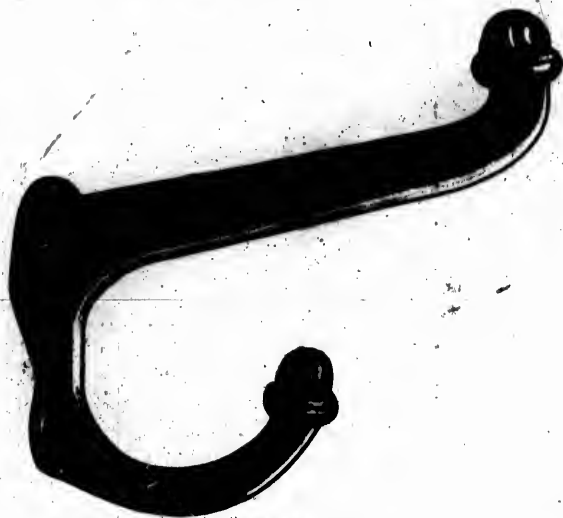
COPPERED.

No. 117½, . . . . . per gross, \$4 70

One-third gross in box.

The James Smart Manufacturing Co., Brookville, Ont.

## HOTEL OR SCHOOL HOUSE HOOKS.



FULL SIZE CUT.  
Nos. 18 and 118. For two screws.

### JAPPANED.

No. 18, . . . per gross, \$4 30

### COPPERED.

No. 118, . . . per gross, \$4 50

One-third gross in box.



FULL SIZE CUT.  
Nos. 90 and 190. For two screws.

### COPPERED.

No. 90, . . . per gross, \$5 00

### BERLIN BRONZED.

Packed with screws.

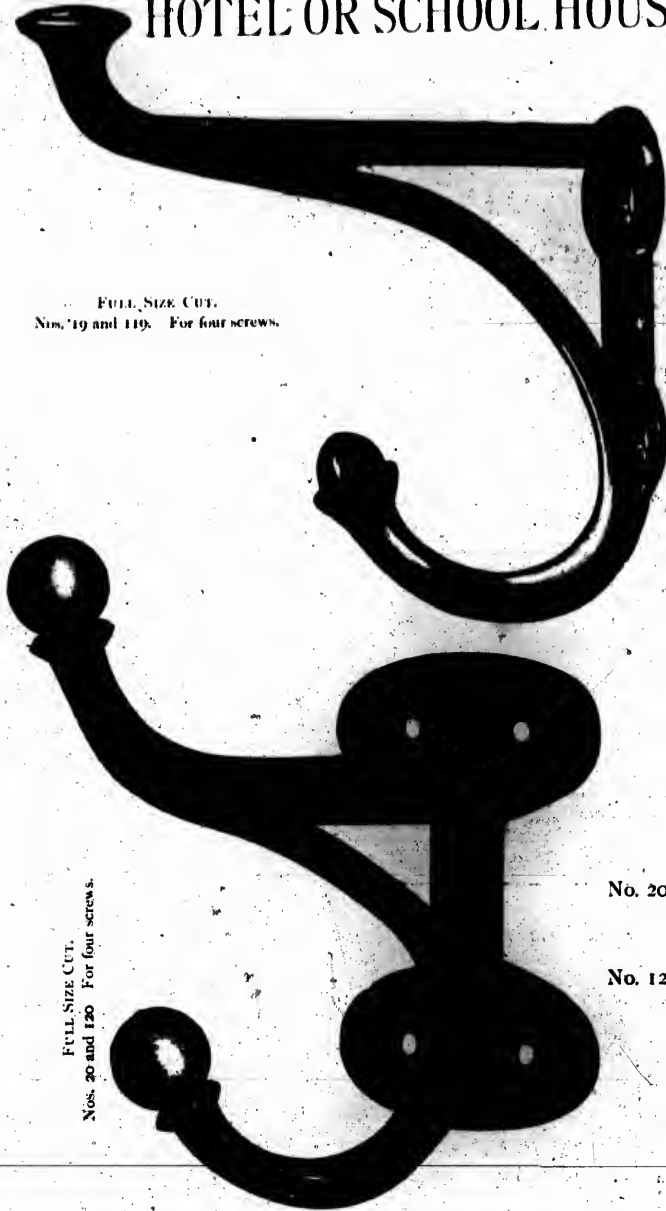
No. 190, . . . per gross, \$6 25

Quarter gross in box.

The James Smart Manufacturing Co., Brookville, Ont.

## HOTEL OR SCHOOL HOUSE HOOKS

FULL SIZE CUT.  
Nos. 19 and 119. For four screws.



FULL SIZE CUT.  
Nos. 20 and 120. For four screws.

**JAPANNED.**

No. 19, . . . per gross, \$6.00

**COPPERED.**

No. 119, . . . per gross, \$6.20

One-third gross in box.

**JAPANNED.**

No. 20, . . . per gross, \$10.50

**COPPERED.**

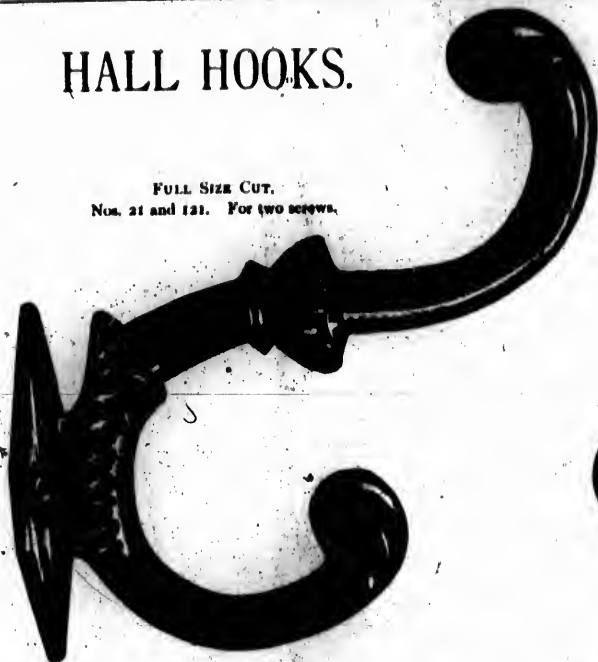
No. 120, . . . per gross, \$10.70

One dozen in a package.

**EXTRA HEAVY.**

# HALL HOOKS.

FULL SIZE CUT.  
Nos. 21 and 121. For two screws.



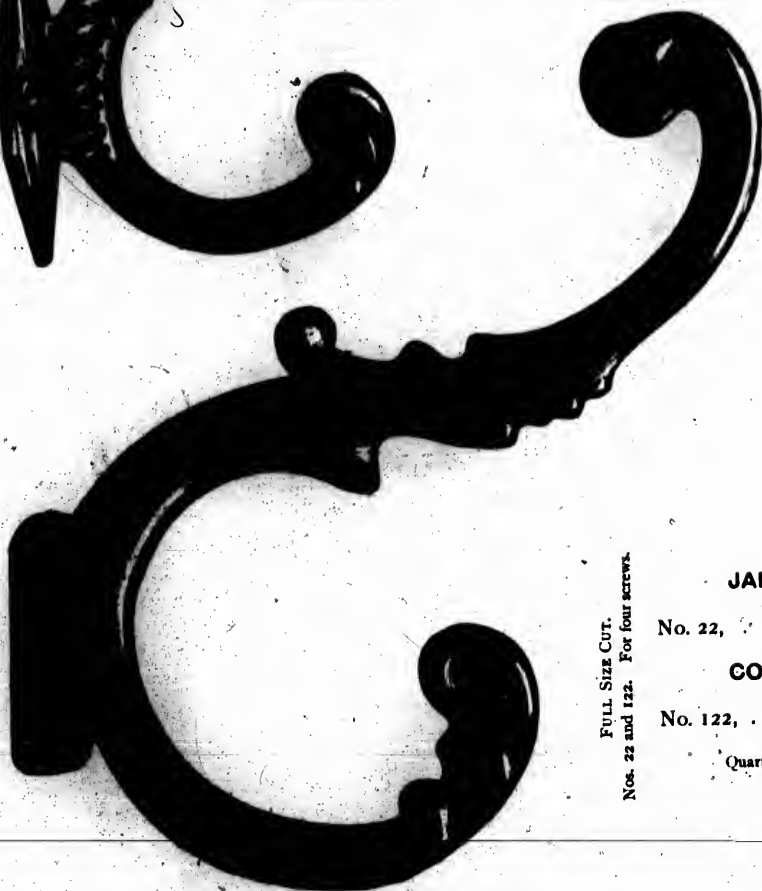
JAPANNED.

No. 21, . per gross, \$9 60

COPPERED.

No. 121, . per gross, \$12 00

Quarter gross in box.



JAPANNED.

No. 22, . per gross, \$14 40

COPPERED.

No. 122, . per gross, \$16 80

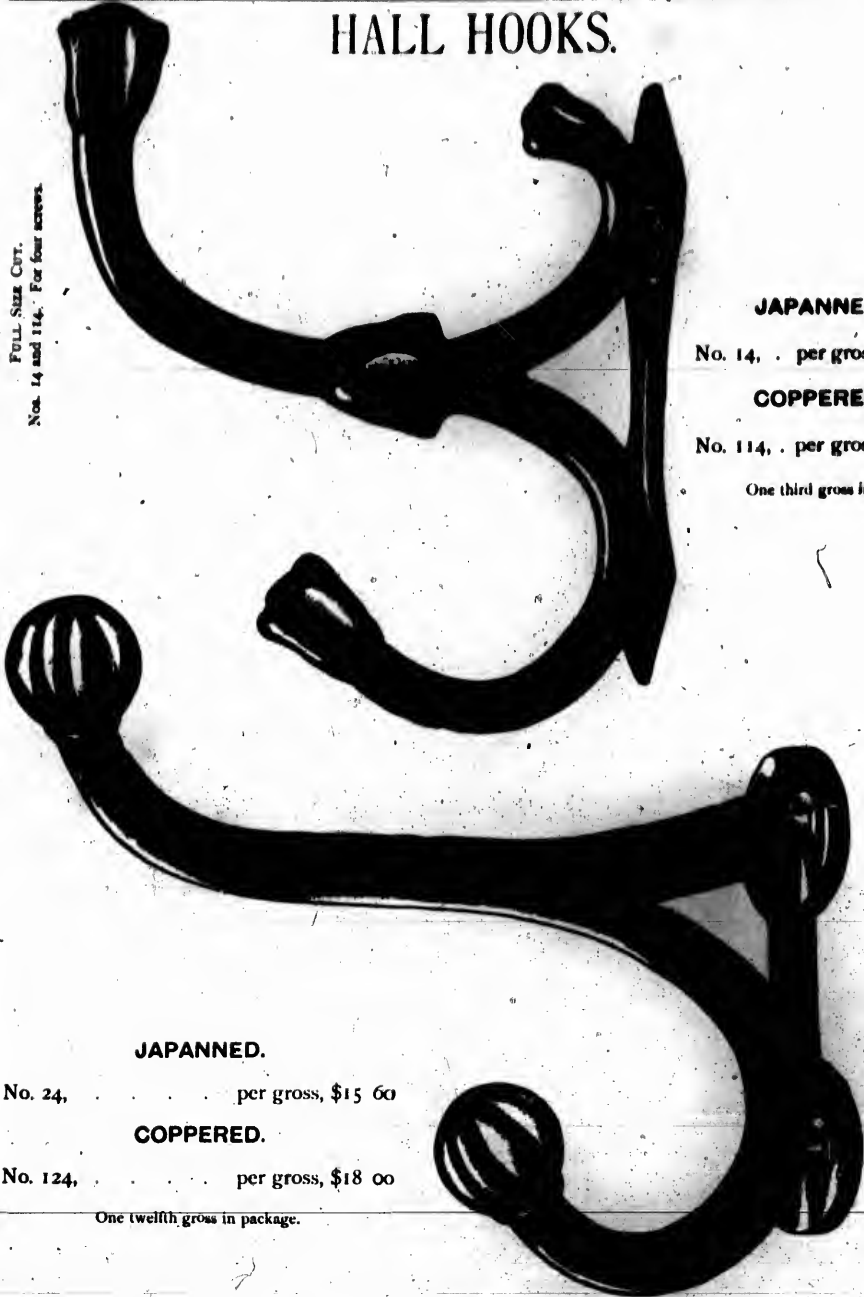
Quarter gross in box.

FULL SIZE CUT.  
Nos. 22 and 122. For four screws.

The James Smart Manufacturing Co., Brockville, Ont.

## HALL HOOKS.

Full Size Cut.  
Nos. 14 and 114. For four screws.



**JAPANNED.**

No. 14, . . . per gross, \$7 50

**COPPERED.**

No. 114, . . . per gross, \$7 70

One third gross in box.

**JAPANNED.**

No. 24, . . . . . per gross, \$15 60

**COPPERED.**

No. 124, . . . . . per gross, \$18 00

One twelfth gross in package.

Full Size Cut.  
Nos. 24 and 124. For four screws.

No.

No.

# HARNESS HOOKS.

Full Size Cut.  
Nos. 25 and 125. For four screws.

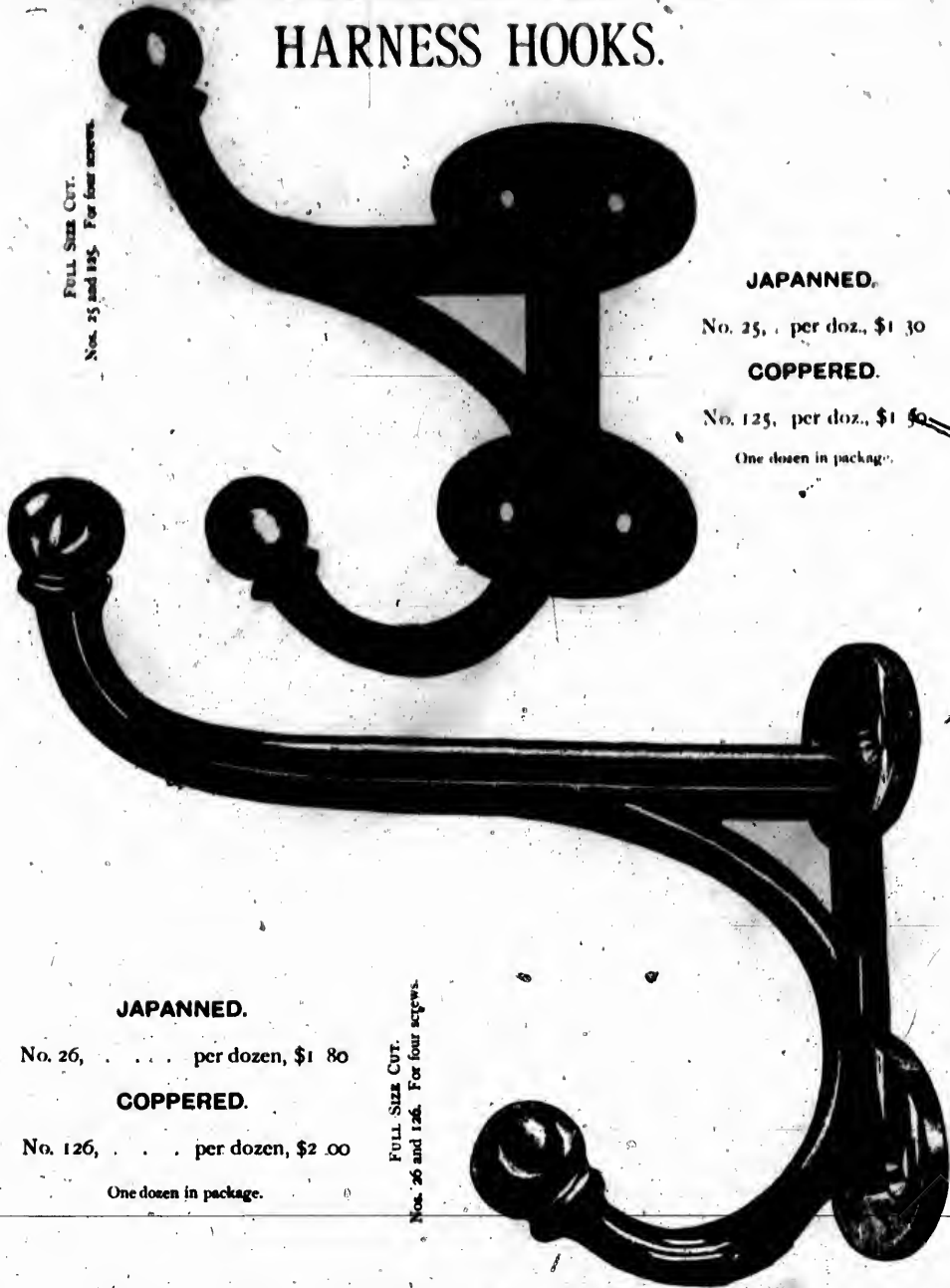
**JAPANNED.**

No. 25, . . . per doz., \$1 30

**COPPERED.**

No. 125, per doz., \$1 50

One dozen in package.



**JAPANNED.**

No. 26, . . . . . per dozen, \$1 80

**COPPERED.**

No. 126, . . . . . per dozen, \$2 00

One dozen in package.

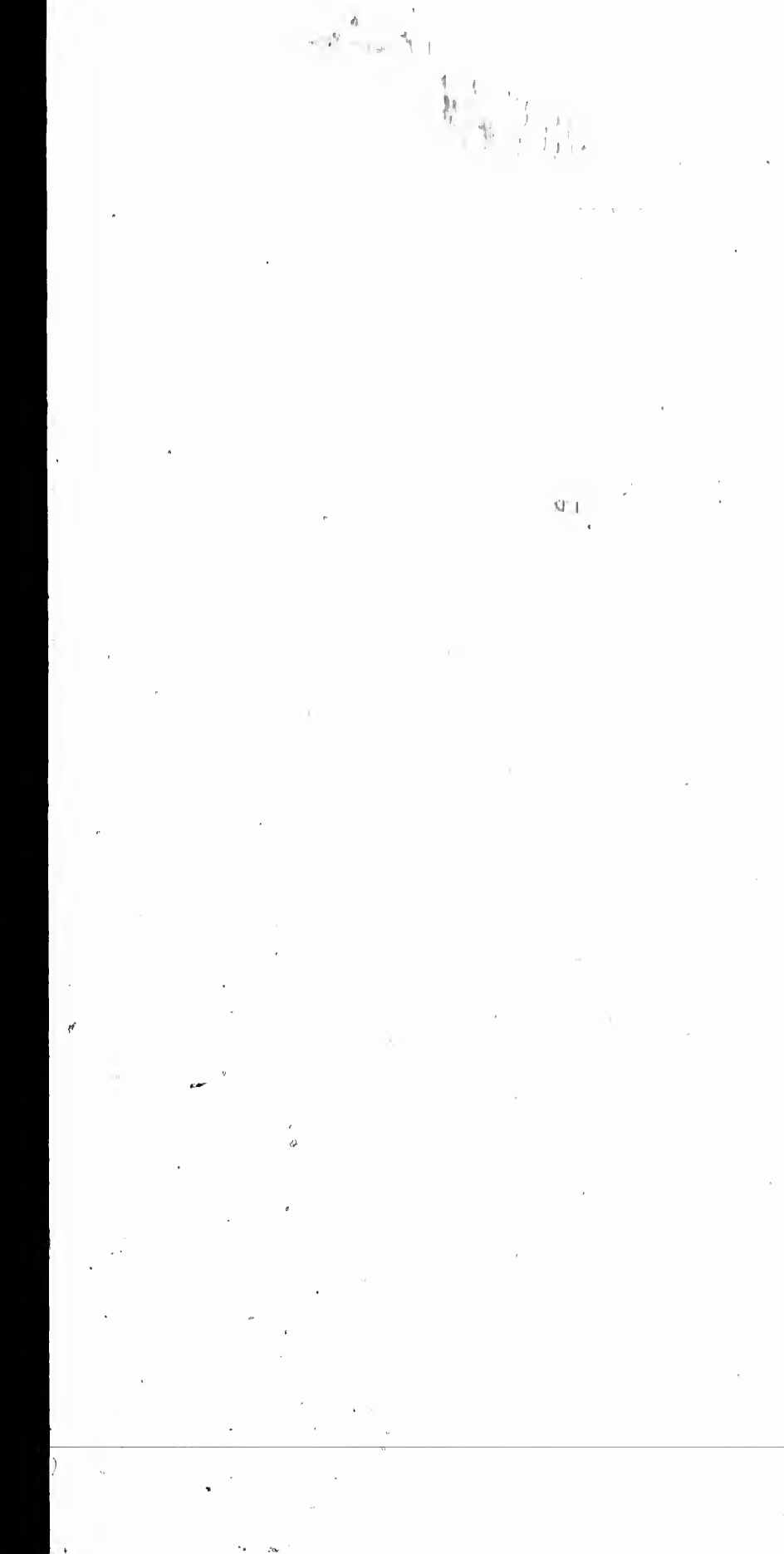
Full Size Cut.  
Nos. 26 and 126. For four screws.

\$7 50

\$7 70

box.

Full Size Cut.  
Nos. 26 and 126. For four screws.

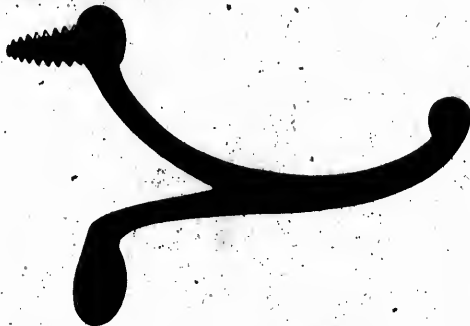


The James Smart Manufacturing Co., Brockville, Ont.

# WARDROBE HOOKS.



FULL SIZE CUT. No. 2.  
For one screw, with one drive point.



FULL SIZE CUT. No. 4.  
To screw in.



FULL SIZE CUT. No. 5.  
For two screws.



FULL SIZE CUT. No. 6.  
For one screw, with one drive point.



FULL SIZE CUT. No. 8.  
For two screws.

## JAPANNED.

No.	2	4	5	6	8
Per gross,	\$1 00	\$1 20	\$1 20	\$1 00	\$1 20

No. 2, one gross in box. Nos. 4 to 8, half gross in box.



## LAMP HOOKS.

JAPPANED.

No. 1, 1 $\frac{3}{8}$ -inch screw, 1 $\frac{5}{8}$ -inch hook, . . . . .	per gross, \$2 00
No. 2, 1 $\frac{1}{2}$ -inch screw, 1 $\frac{3}{4}$ -inch hook, . . . . .	per gross, 2 50
No. 3, 1 $\frac{7}{8}$ -inch screw, 2 $\frac{1}{8}$ -inch hook, . . . . .	per gross, 3 20
No. 4, 2 $\frac{3}{8}$ -inch screw, 2 $\frac{3}{8}$ -inch hook, . . . . .	per gross, 4 80

Half gross in box.



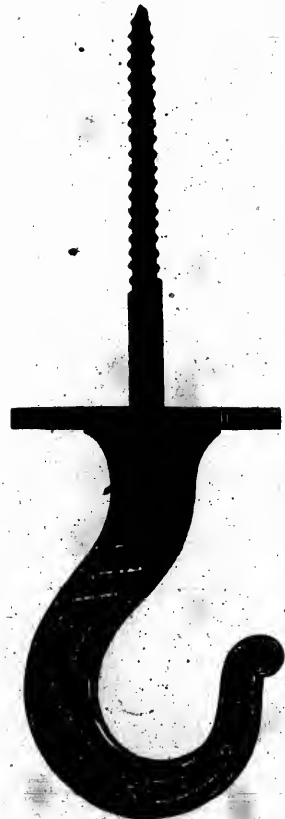
FULL SIZE CUT.  
No. 4 Lamp Hook.

## CHANDELIER HOOKS.

BERLIN BRONZED, POLISHED.

Three-inch, 3-inch screw, 2 $\frac{1}{2}$ -inch hook, . . . . . per dozen, \$1 40  
Two dozen in box.

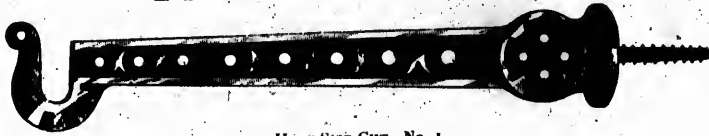
Four-inch, 4-inch screw, 3 $\frac{1}{2}$ -inch hook, . . . . . per dozen, 1 70  
One dozen in box.



FULL SIZE CUT.  
3-inch Chandelier Hook.

The James Smart Manufacturing Co., Brockville, Ont.

## BIRD CAGE HOOKS.



HALF SIZE CUT, No. 1.  
FIXED. TO SCREW IN.  
**BERLIN BRONZED, POLISHED.**

No. 1, 8 inches long,

per dozen, \$1 20

One dozen in package.



HALF SIZE CUT. NOS. 2 AND 12.  
(Original Design, Registered.)  
9 INCHES LONG. SWINGING. TO FASTEN WITH TWO SCREWS.  
**BERLIN BRONZED, POLISHED.**

No. 2, packed with screws,

per dozen, \$1 50

**NICKEL PLATED.**

No. 12, packed with screws,

per dozen, \$5 00

One dozen in package.



HALF SIZE CUT. No. 3.  
FIXED. TO HANG ON NAIL.  
**BERLIN BRONZED, POLISHED.**

No. 3, 9½ inches long,

per dozen, 1 50

One dozen in box.

The James Smart Manufacturing Co., Brockville, Ont.

## DRAWER PULLS:



FULL SIZE CUT. Nos. 1 AND 101.

**JAPPANED.**

No. 1, 4 x 1½ inches,

per gross, \$2 60

**COPPERED.**

No. 101, 4 x 1½ inches

per gross, \$2 80

Half gross in a box.



HALF SIZE CUT. Nos. 2 AND 102.

**JAPPANED.**

No. 2, 4 x 2 inches,

per gross, \$3 00

**COPPERED.**

No. 102, 4 x 2 inches,

per gross, \$3 20

One third gross in box.



HALF SIZE CUT. Nos. 3 AND 103.

**JAPPANED.**

No. 3, 4 x 2½ inches

per gross, \$3 20

**COPPERED.**

No. 103, 4 x 2½ inches,

per gross, \$3 40

One quarter gross in box.

The James Smart Manufacturing Co., Brockville, Ont.

## DRAWER PULLS.



HALF SIZE CUT. No. 6.  
**BERLIN BRONZED.**

No. 6,  $3\frac{3}{8}$  x  $1\frac{1}{4}$  inches, packed with screws,  
No. 7,  $4\frac{1}{8}$  x  $1\frac{1}{2}$  inches, packed with screws.

Quarter gross in box.

per gross, \$4 80  
per gross, 5 30



HALF SIZE CUT. NOS. 8 AND 18.  
**JAPPANED.**

No. 8,  $4\frac{1}{8}$  x  $1\frac{3}{8}$  inches,

No. 18,  $4\frac{1}{8}$  x  $1\frac{3}{8}$  inches,

**COPPERED.**

Quarter gross in box.

per gross, \$3 80

per gross, 4 00



HALF SIZE CUT. No. 11.  
**BERLIN BRONZED.**

No. 11,  $4\frac{3}{8}$  x  $1\frac{3}{4}$  inches, packed with screws,  
No. 35,  $4\frac{3}{8}$  x 2 inches, packed with screws.

One quarter gross in box.

per gross, \$5 50  
per gross, 6 00



TWO-THIRDS SIZE CUT. No. 25.  
**BERLIN BRONZED.**

No. 20,  $3\frac{1}{4}$  x  $1\frac{1}{2}$  inches, packed with screws,  
No. 25,  $4\frac{3}{4}$  x  $1\frac{3}{4}$  inches, packed with screws.

One-quarter gross in box.

per gross, \$4 70  
per gross, 6 50

## DRAWER PULLS.



HALF SIZE CUT. No. 45.

**BERLIN BRONZED.**

No. 40,  $3\frac{1}{8}$  x  $1\frac{5}{8}$  inches, packed with screws,

No. 45,  $3\frac{5}{8}$  x  $1\frac{3}{4}$  inches, packed with screws,

per gross, \$5 00

per gross, 5 30

One-quarter gross in box.



HALF SIZE CUT. No. 55.

**BERLIN BRONZED.**

No. 50,  $3\frac{1}{4}$  x  $1\frac{1}{2}$  inches, packed with screws,

No. 55,  $4\frac{1}{8}$  x  $1\frac{1}{2}$  inches, packed with screws,

No. 60,  $4\frac{5}{8}$  x  $1\frac{3}{8}$  inches, packed with screws,

per gross, \$5 00

per gross, 5 50

per gross, 6 00

One-quarter gross in box.



HALF SIZE CUT. No. 65.

**BERLIN BRONZED.**

With blank space for label.

No. 65,  $4\frac{3}{8}$  x  $2\frac{3}{8}$  inches, packed with screws,

per gross, \$7 00

One-quarter gross in box.

## DRAWER PULLS.

(Original Design, Registered.)



FULL SIZE CUT. Nos. 70, 170, 270, 370.

No. 70, 2½ x 1¼ inches, Japanned,	per gross, \$ 2 40
No. 170, 2½ x 1¼ inches, Copper Bronzed,	per gross, 2 60
No. 270, 2½ x 1¼ inches, Berlin Bronzed, packed with screws,	per gross, 4 00
No. 370, 2½ x 1¼ inches, Nickel Plated, packed with screws,	per gross, 10 00

Nos. 170 and 170, one-half gross in box. Nos. 270 and 370, one-quarter gross in box.



FULL SIZE CUT. Nos. 75, 175, 275, and 375.

No. 75, 3¼ x 1¼ inches, Japanned,	per gross, \$ 3 20
No. 175, 3¼ x 1¼ inches, Copper Bronzed,	per gross, 3 40
No. 275, 3¼ x 1¼ inches, Berlin Bronzed, packed with screws,	per gross, 5 00
No. 375, 3¼ x 1¼ inches, Nickel Plated, packed with screws,	per gross, 13 00

Nos. 75 and 175, one-half gross in box. Nos. 275 and 375, one-quarter gross in box.

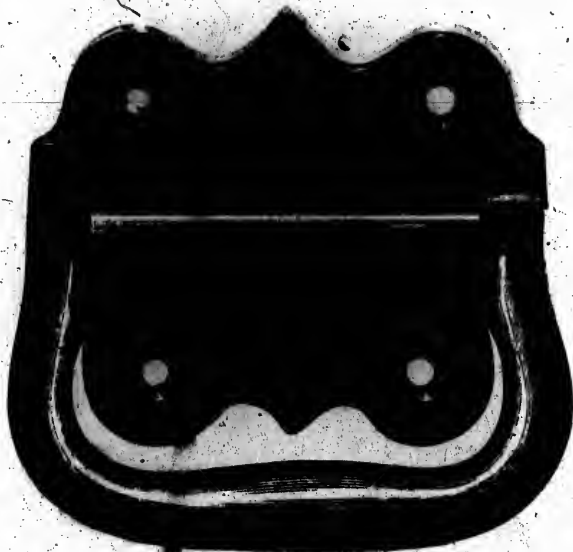


FULL SIZE CUT. Nos. 80, 180, 280 and 380.

No. 80, 4 x 1¼ inches, Japanned,	per gross, \$ 4 00
No. 180, 4 x 1¼ inches, Copper Bronzed,	per gross, 4 20
No. 280, 4 x 1¼ inches, Berlin Bronzed, packed with screws,	per gross, 6 00
No. 380, 4 x 1¼ inches, Nickel Plated, packed with screws,	per gross, 16 00

Nos. 80 and 180, one-half gross in box. Nos. 280 and 380, one-quarter gross in box.

SURFACE CHEST HANDLES.



FULL SIZE CUT. No. 6.

JAPANNED.

No. 5,  $3\frac{1}{2}$  x 3 inches,

No. 6,  $3\frac{5}{8}$  x  $3\frac{1}{2}$  inches,

No. 7,  $4\frac{1}{2}$  x  $4\frac{1}{4}$  inches,

per dozen pairs, \$1 45

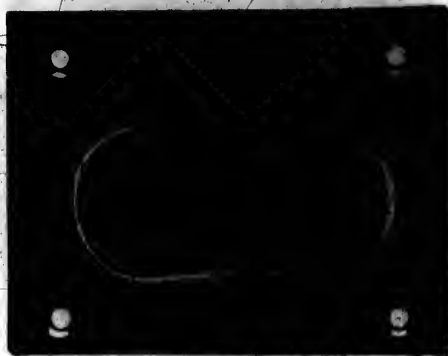
per dozen pairs, 2 20

per dozen pairs, 3 65

Half dozen pairs in package.

The James Smart Manufacturing Co., Brockville, Ont.

## FLUSH CHEST HANDLES



FULL SIZE CUT. No. 1

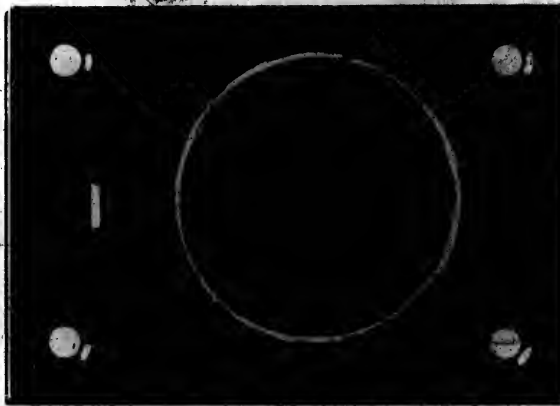
JAPANNED.

No. 1, 3 x 2 $\frac{1}{2}$  inches,  
No. 2, 4 $\frac{3}{8}$  x 3 $\frac{1}{2}$  inches,  
No. 3, 5 $\frac{1}{4}$  x 4 $\frac{1}{4}$  inches,

per dozen pairs, \$2 80  
per dozen pairs, 3 60  
per dozen pairs, 7 50

No. 1 and 2, one-half dozen pairs in box. No. 3, one-sixth dozen pairs in package.

## FLUSH TRAP-DOOR RINGS



FULL SIZE CUT. No. 4

JAPANNED.

No. 4, 4 x 3 $\frac{1}{4}$  inches,

per dozen, \$1 50

One dozen in box.



## SURFACE CHEST HANDLES.



HALF SIZE CUT.

**BERLIN BRONZED.**

No. 50,  $3\frac{1}{2} \times 3\frac{1}{2}$  inches, packed with screws, . . . . . per dozen pairs, \$2.65

One dozen pairs in box.

## FLUSH CHEST HANDLES.



HALF SIZE CUT.

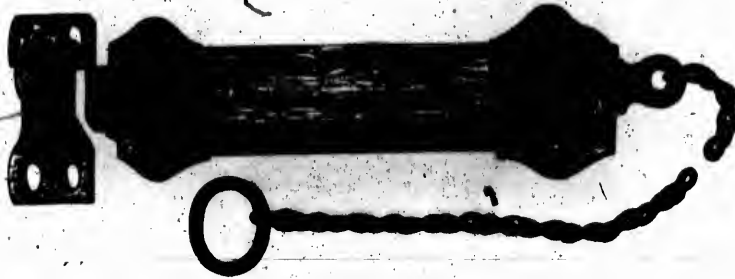
**BERLIN BRONZED.**

No. 60,  $4 \times 3\frac{1}{2}$  inches, packed with screws, . . . . . per dozen pairs, \$4.00

One dozen pairs in box.

The James Smart Manufacturing Co., Brockville, Ont.

## CHAIN DOOR BOLTS.



HALF SIZE CUT. 8-INCH.

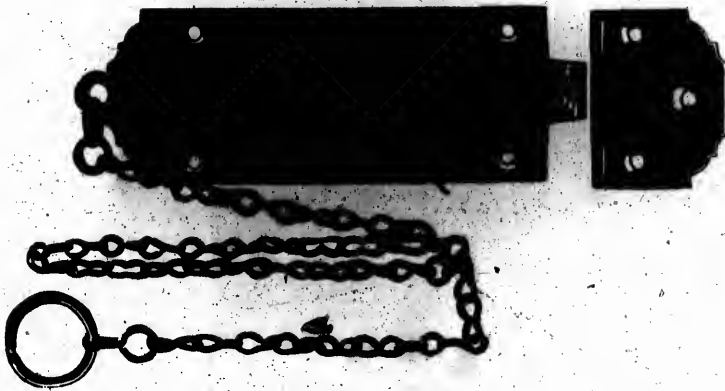
**JAPPANED.**

WITH 30 INCHES JACK CHAIN.

Six-inch,  
Eight-inch,  
Ten-inch,

per dozen, \$4 90  
per dozen, 6 25  
per dozen, 8 75

Half-dozen in box.



HALF SIZE CUT. 6-INCH.

**BERLIN BRONZED.**

WITH 30 INCHES JACK CHAIN.

Four-inch, packed with screws,  
Six-inch, packed with screws,  
Eight-inch, packed with screws,

per dozen, \$5 10  
per dozen, 5 80  
per dozen, 6 50

Half-dozen in box.

## FOOT BOLTS.



HALF SIZE CUT. 6 INCH.



### JAPANNED.

Six-inch,  
Eight-inch.

per dozen, \$5 88  
per dozen, 6 85

Half dozen in box.



HALF SIZE CUT. 8-INCH.



### BERLIN BRONZED.

Six-inch, packed with screws,  
Eight-inch, packed with screws,

per dozen, \$5 40  
per dozen, 6 10

Half dozen in box.

The James Smart Manufacturing Co., Brockville, Ont.

---

## CUPBOARD CATCHES.



TWO-THIRDS SIZE CUT.

**BERLIN BRONZED CASE, PORCELAIN KNOB.**

No. 50,  $3\frac{3}{8} \times 1\frac{1}{2}$  inches, packed with screws, . . . . . per dozen, \$1 60

One dozen in box.

## SQUARE CASED BOLTS.



TWO-THIRDS SIZE CUT.

**BERLIN BRONZED CASE, PORCELAIN KNOB.**

THREE-INCH BOLT.

No. 22,  $3\frac{3}{8} \times 1\frac{1}{8}$  inches, packed with screws, . . . . . per dozen, \$2 80

One dozen in box.

## SQUARE BOLTS.



TWO-THIRDS SIZE CUT. No. 14.

**BERLIN BRONZED.**

Packed with screws.

No. 14, 3-inch bolt,  $4\frac{1}{8}$  x  $1\frac{1}{2}$ -inch case,  
No. 16, 4-inch bolt,  $5\frac{1}{4}$  x  $1\frac{3}{4}$ -inch case,

per dozen, \$2 20  
per dozen, 2 60

Half dozen in box.

## BARREL BOLTS.



TWO-THIRDS SIZE CUT. No. 70.

MALLEABLE IRON BOLT. BRASS KNOB.

**BERLIN BRONZED.**

Packed with screws.

No. 70,  $4\frac{1}{8}$ -inch bolt,  $5\frac{1}{8}$  x  $1\frac{1}{2}$ -inch case,  
No. 80,  $4\frac{1}{4}$ -inch bolt,  $5\frac{3}{8}$  x  $1\frac{3}{4}$ -inch case,

per dozen, \$2 33  
per dozen, 2 66

One dozen in box.





STYLE OF NOS. 60 TO 75.

## SHELF BRACKETS.

### JAPANNED.

No. 60, 5 x 6 inches,	per pair, \$0 20
Six pairs in package.	
No. 65, 6 x 7½ inches,	per pair, 25
Six pairs in package.	
No. 70, 7 x 8¾ inches,	per pair, 30
Three pairs in package.	
No. 75, 8 x 9¾ inches,	per pair, 35
Three pairs in package.	



STYLE OF NOS. 80 TO 86.

### JAPANNED.

No. 80, 3 x 4 inches,	per pair, \$0 05
Six pairs in package.	
No. 81, 4½ x 6 inches,	per pair, 12½
Four pairs in package.	
No. 82, 6 x 8 inches,	per pair, 17
Three pairs in package.	
No. 83, 8 x 10 inches,	per pair, 25
Three pairs in package.	
No. 84, 9¾ x 12 inches,	per pair, 33
Three pairs in package.	
No. 85, 11¾ x 14 inches,	per pair, 54
Three pairs in package.	
No. 86, 15 x 20 inches,	per pair, 75
Three pairs in package.	



STYLE OF NOS. 20 TO 25.

## SHELF BRACKETS.

**BERLIN BRONZED.**

Packed with screws.

No. 20, 4 x 6 inches,	per pair, \$0 12
No. 21, 5 x 7 inches,	per pair, 17
No. 22, 6 x 8 inches,	per pair, 19
No. 23, 7 x 9 inches,	per pair, 25
No. 24, 8 x 10 inches,	per pair, 33
No. 25, 10 x 13 inches,	per pair, 40

Three pairs in package.



STYLE OF NOS. 14 TO 35.

**JAPPANED.**

No. 14, 4 x 5 inches,	per pair, \$0 15
No. 15, 5 x 7 inches,	per pair, 22
No. 16, 6 x 7 $\frac{3}{4}$ inches,	per pair, 35

**BERLIN BRONZED.**

Packed with screws.

No. 33, 4 x 5 inches,	per pair, \$0 24
No. 34, 5 x 7 inches,	per pair, 30
No. 35, 6 x 7 $\frac{3}{4}$ inches,	per pair, 45

Six pairs in package.



## SASH LIFTS.



FULL SIZE CUT. Nos. 42 and 142.  
For two screws.



FULL SIZE CUT. No. 143.  
For one screw, with two drive points.

### BERLIN BRONZED.

No. 42, packed with screws,

per gross, \$3 50

### NICKEL PLATED.

No. 142, packed with screws,  
No. 143, packed with screws,

per gross, 10 00  
per gross, 9 00

Half gross in box.

## FLUSH SASH LIFTS.



FULL SIZE CUT. No. 41.  
For two screws.

### BERLIN BRONZED.

No. 41, packed with screws,

per gross, \$7 00

One-sixth gross in box.

## WINDOW PULLS.



FULL SIZE CUT. No. 1.  
For four screws.



FULL SIZE CUT. No. 2.  
For six screws.

## JAPANNED.

No. 1,  $4\frac{5}{8}$  inches long,  
No. 2, 6 inches long.

per gross, \$3 50  
per gross, 4 50

One-quarter gross in box.

## SHUTTER LIFTS.



FULL SIZE CUT. No. 1.  
Surface. For three screws.



FULL SIZE CUT. No. 2.  
Flush. For four screws.

## JAPANNED.

No. 1,

per gross, \$1.75

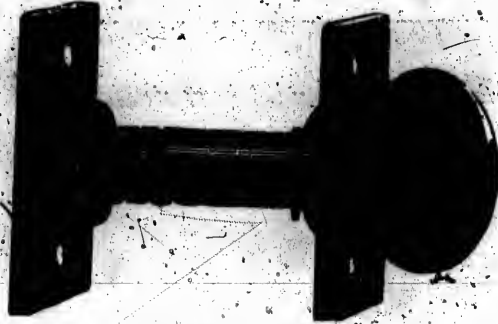
Half-gross in box.

No. 2,

per gross, \$2.75

Quarter-gross in box.

## SHUTTER SCREWS.



FULL SIZE CUT, 2-INCH.

HEAVY SQUARE THREAD.

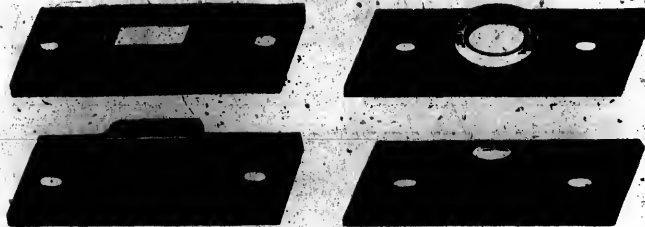
JAPANNED.

2-inch,  
2½-inch,  
3-inch,

per gross, \$5 80  
per gross, 6 00  
per gross, 7 20

One-sixth gross in box.

## STUBS AND PLATES.



TWO-THIRDS SIZE CUTS.

JAPANNED.

No. 1, Square, 2½ x ¾ inches,  
No. 2, Round, 2½ x 1 inches,

per gross, \$2 40  
per gross, 3 75

One-half gross in package.

The James Smart Manufacturing Co., Brockville, Ont.

## SECTIONAL SASH WEIGHTS.

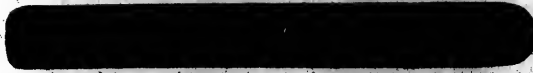
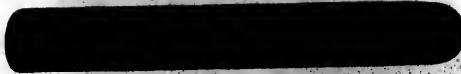


MADE IN FOUR SIZES, VIZ:

DIAMETER.	LENGTH.	WEIGHT EACH.
1½ inches	¾ inch	6 ounces
1½ inches	1¾ inches	14 ounces
1¾ inches	¾ inch	7 ounces
1¾ inches	1¾ inches	15 ounces

Packed in cases of 200 lbs., assorted lengths, equal numbers of each, and uniform diameters. per pound, \$0 05

## SOLID SASH WEIGHTS.



Sizes, 6, 8, 10, 12, 15, 18, and 22 lbs.

1¾-inch diameter,

per lb. \$0 04

Sectional Sash Weights can be used with above to make up any weight required.

The James Smart Manufacturing Co., Brockville, Ont.

## DOOR BUTTONS.



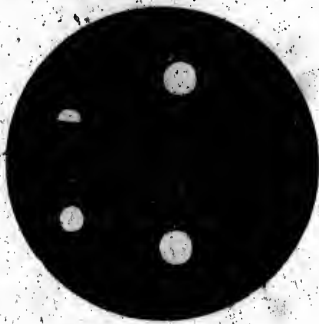
FULL SIZE CUT. 1 1/4 INCH.

JAPANNED.

Inch,	1 1/4	1 1/2	2	2 1/4	2 1/2
Per gross,	\$1 00	\$1 20	\$1 50	\$2 20	\$3 00

One gross in box.

## DOOR BUTTONS ON PLATES.



FULL SIZE CUT. 2-INCH.

JAPANNED.

Inch,	1 1/4	2	2 1/4	2 1/2
Per gross,	\$4 20	\$4 75	\$6 30	\$7 20

Half-gross in box.

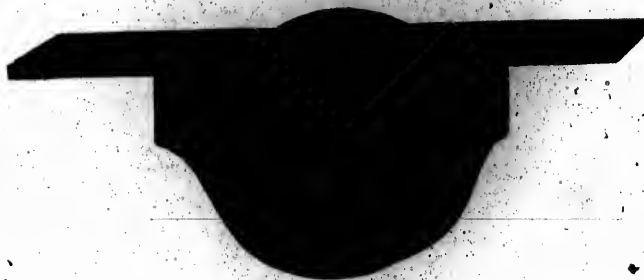


HALF SIZE CUT.

BERLIN BRONZED.

2-inch, packed with screws, per gross, \$10 20  
Half-gross in box.

## AXLE PULLEYS.



\* FULL SIZE CUT, 2-INCH WHEEL.

WROUGHT IRON AXLE.

1 3/4-inch wheel,  
2-inch wheel,  
2 1/4-inch wheel,

per dozen, \$0 40  
per dozen, 0 50  
per dozen, 0 70

Put up in bulk, or packed one-dozen in a package.

## SIDE PULLEYS.



FULL SIZE CUT, 1 1/2-INCH WHEEL.

JAPANNED.

1 3/4-inch wheel,  
2-inch wheel,  
2 1/4-inch wheel,  
2 3/4-inch wheel,

per dozen, \$1 20  
per dozen, 1 30  
per dozen, 2 10  
per dozen, 2 40

One dozen in box.

The James Smart Manufacturing Co., Brockville, Ont.

## SCREW PULLEYS.

JAPANNED.

Inch Wheel  
Per Dozen

1½	1¾	2	2¼	2½
\$0 68	\$0 82	\$1 10	\$1 40	\$1 60

Two dozen in box.



FULL SIZE CUT. 1½-INCH.

## ENCASED SCREW PULLIES.

JAPANNED.

2-inch wheel,	per dozen, \$1 75
2½-inch wheel,	per dozen, 2 25

One dozen in box.



FULL SIZE CUT. 2½-INCH. ENCASED.



The James Smart Manufacturing Co., Brockville, Ont.

## PARKER'S BLIND HINGES.

SELF-LOCKING.



UPPER HINGE.



LOWER HINGE.

FULL SIZE CUTS. 3-INCH.

A set contains two top hinges, two bottom hinges, and two sets of fastenings.  
Each set papered separately.

3-inch, to throw blind 1 inch from casing,	per dozen sets, \$2 20
4-inch, to throw blind 2 inches from casing,	per dozen sets, 3 10
5-inch, to throw blind 3 inches from casing,	per dozen sets, 3 67
5½ inch, to throw blind 3½ inches from casing,	per dozen sets, 4 40
6 inch, to throw blind 4 inches from casing,	per dozen sets, 4 60
6½ inch, to throw blind 4½ inches from casing,	per dozen sets, 5 35

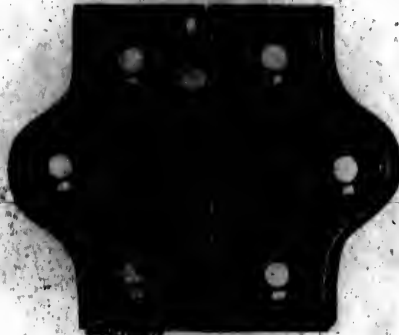
### PACKED AS FOLLOWS:

3-inch,	½ dozen sets in paper package, 10 dozen sets in case
4-inch,	½ dozen sets in paper package, 10 dozen sets in case
5-inch,	½ dozen sets in paper package, 6 dozen sets in case
5½-inch,	½ dozen sets in paper package, 6 dozen sets in case
6-inch,	½ dozen sets in paper package, 4 dozen sets in case
6½-inch,	½ dozen sets in paper package, 4 dozen sets in case

The James Smart Manufacturing Co., Brookville, Ont.

## CLARK'S BLIND HINGES.

IMPROVED SELF-LOCKING.



FULL SIZE CUT. No. 1.

Each set is papered separately, and contains four hinges, as shown in cut,  
(two right and two left), and two sets of inside fastenings.

No. 1, for wood, throws blind  $1\frac{1}{4}$  inches from casing, per dozen sets, \$3 50  
No. 3, for brick, throws blind  $3\frac{1}{4}$  inches from casing, per dozen sets, 5 25

PACKED AS FOLLOWS :

No. 1,  $\frac{1}{2}$  dozen sets in package, 10 dozen sets in case.  
No. 3,  $\frac{1}{2}$  dozen sets in package, 6 dozen sets in case.

## GARRETSON'S BLIND HINGES.

SELF-LOCKING.



FULL SIZE CUT. No. 2.

COMPLETE WITH FASTENINGS.

A set contains four hinges (2 right and two left) and two sets  
of fastenings.

No. 2, for wood, per dozen sets, \$3 50  
No. 4, for brick, per dozen sets, 5 25

No. 2 throws Blind  $1\frac{1}{4}$  inches from casing.  
No. 4,  $3\frac{1}{4}$  inches.

PACKED AS FOLLOWS :

No. 2,  $\frac{1}{2}$  dozen sets in package, 10 dozen sets in case.  
No. 4,  $\frac{1}{2}$  dozen sets in package, 6 dozen sets in case.

The James Smart Manufacturing Co., Brookville, Ont.

## LEVER DOOR BELLS.



FULL SIZE CUT.

Nos. 31, 36 and 60:  $3\frac{1}{2}$ -inch diameter. Figured.

### BRASS BELLS, POLISHED.

No. 30,  $3\frac{1}{2}$  inches in diameter, plain,  
No. 40, 4 inches in diameter, plain,  
No. 50, 5 inches in diameter, plain,  
No. 31,  $3\frac{1}{2}$  inches in diameter, figured,  
No. 41, 4 inches in diameter, figured,  
No. 51, 5 inches in diameter, figured,

BELLS ONLY.  
per dozen, \$12 00  
per dozen, 14 00  
per dozen, 17 30  
per dozen, 13 00  
per dozen, 14 00  
per dozen, 17 30

Packed with screws. One-twelfth dozen in box.

### BRASS BELLS, SILVER PLATED.

No. 35,  $3\frac{1}{2}$  inches in diameter, plain,  
No. 45, 4 inches in diameter, plain,  
No. 55, 5 inches in diameter, plain,  
No. 36,  $3\frac{1}{2}$  inches in diameter, figured,  
No. 46, 4 inches in diameter, figured,  
No. 56, 5 inches in diameter, figured,

per dozen, \$14 80  
per dozen, 16 80  
per dozen, 30 80  
per dozen, 14 80  
per dozen, 16 80  
per dozen, 20 80

Packed with screws. One-twelfth dozen in box.

### IRON BELLS, BERLIN BRONZED.

No. 60,  $3\frac{1}{2}$  inches in diameter, figured,  
No. 61, 4 inches in diameter, figured,  
No. 62, 5 inches in diameter, figured,

per dozen, 8 00  
per dozen, 8 50  
per dozen, 10 00

Packed with screws. One-twelfth dozen in box.

See pages 63 and 64 for prices of levers.

The James Smart Manufacturing Co., Brockville, Ont.

---

## DOOR BELL LEVERS.



Full Size CUT. No. 130.

NICKEL PLATED.

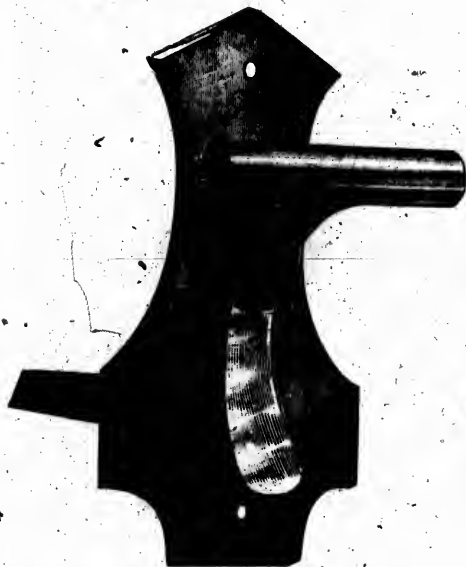
No. 130, Plate  $4\frac{1}{4}$  x  $2\frac{1}{4}$  inches,

per dozen, \$18 00

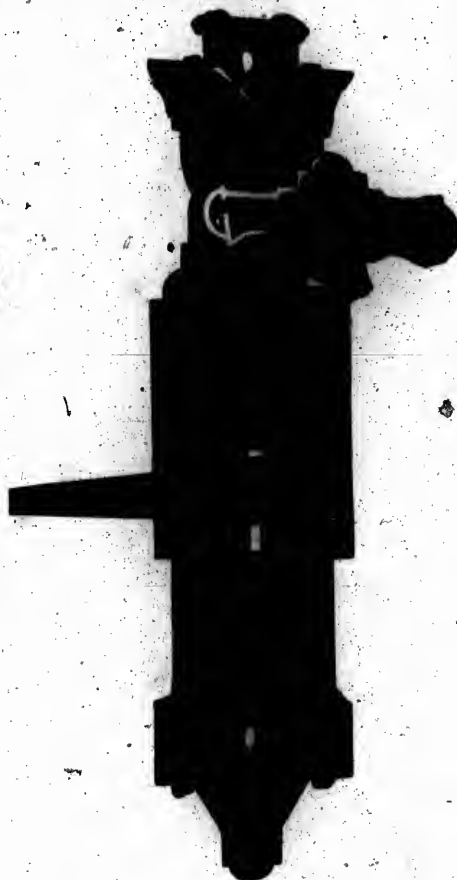
Packed complete with screws. One-sixth dozen in box.

See Price List of Bells, page 62.

## DOOR BELL LEVERS.



FULL SIZE CUT. No. 140.



FULL SIZE CUT. Nos. 150, 151, 152.

### NICKEL PLATED.

No. 140, Plate  $3\frac{3}{8}$  x  $1\frac{1}{8}$  inches,  
No. 150, Plate  $5\frac{7}{8}$  x  $1\frac{1}{8}$  inches,

per dozen, \$18 50  
per dozen, 19 00

### POLISHED BRASS, LACQUERED, DARK GROUND.

No. 151, Plate  $5\frac{7}{8}$  x  $1\frac{1}{8}$  inches,

per dozen, \$15 20

### BERLIN BRONZED.

No. 152, Plate  $5\frac{7}{8}$  x  $1\frac{1}{8}$  inches,

per dozen, \$ 4 50

Packed complete with screws. One-sixth dozen in box.

See Price List of Bells, page 62.

## CRANK DOOR BELLS.



HALF SIZE CUT. 3 1/4-INCH.

COMPLETE AS PER CUT. PACKED WITH SCREWS.

### BRASS BELLS, POLISHED.

Brass Cranks, Figured, Silver Plated.

Diameter Each,	3 1/4-in.	4-in.	5-in.
	\$1 75	\$1 93	\$2 18

### BRASS BELLS, SILVER PLATED.

Brass Cranks, Figured, Silver Plated.

Diameter, Each,	3 1/4-in.	4-in.	5-in.
	\$2 25	\$2 55	\$2 75

One in a box.



## DOOR KNOCKERS.

JAPANNED.

No. 1, per dozen, \$3 75

HAND BRONZED.

No. 11, per dozen, \$4 37

Half-dozen in box.

HALF SIZE CUT. Nos. 1 and 11.

The James Smart Manufacturing Co., Brakville, Ont.



## SPIRAL DOOR SPRINGS.

Can be regulated to close any size or weight of door.

STEEL WIRE SPRING, 11 INCHES LONG.

COPPERED.

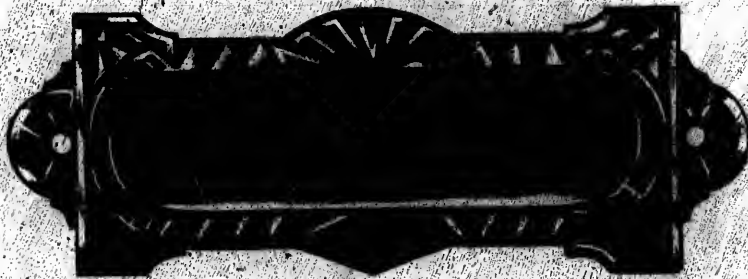
With wrought iron wrench for adjusting.

Per dozen,

\$3 50

Half dozen in package.

## LETTER BOX PLATES.



TWO-THIRDS SIZE CUT. NOS. I AND II.

BERLIN BRONZED.

No. I, packed with screws,

per dozen, \$2 70.

NICKEL PLATED.

No. II, packed with screws,

per dozen, \$7 00

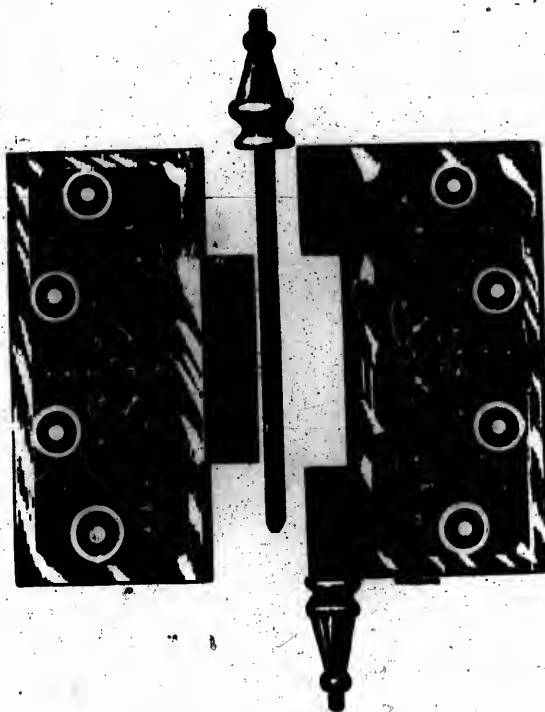
One dozen in box.

The James Smart Manufacturing Co., Brockville, Ont.

## FIGURED LOOSE PIN BUTTS.

(CAST.)

STYLE A.



FULL SIZE CUT.  $3\frac{1}{2}$  x 3 INCH.

STEEPLE TIPS, DRILLED.

For either right or left hand doors.

Dimensions given in table opposite are (1) the length and (2) the width when open.

Sizes 2 x 2 to  $2\frac{1}{2}$  x  $2\frac{1}{2}$  have 4 screw holes.  
Sizes  $2\frac{1}{2}$  x 3 to  $3\frac{1}{2}$  x  $3\frac{1}{2}$  have 6 screw holes.  
Sizes 4 x  $3\frac{1}{2}$  to 5 x 5 have 8 screw holes.  
Sizes  $5\frac{1}{2}$  x  $5\frac{1}{2}$  to 6 x 6 have 10 screw holes.

See Price List, next page.



PRICE LIST

— or —

LOOSE PIN BUTTS.

STYLE A.

PER DOZEN PAIRS.

SIZE.	Plain.	Japanned.	Japanned. Nickel Tip.	Berlin Bronzed.	Berlin Bronzed, Nickel Tip	Berlin Bronzed, Polished.	Berlin Br'd Polished, Nickel Tip	All Nickel Plated.
2 x 2	\$1 00	\$2 50	\$5 00					
2 x 2½	1 10	2 65	5 80					
2½ x 2	1 20	2 80	6 00					
2½ x 2½	1 35	3 00	6 20					
2½ x 3	1 50	3 15	6 30					
3 x 2½	1 60	3 30	6 40					
3 x 3	1 75	3 50	6 50	\$4 05	\$7 50	\$6 75	\$10 00	\$11 00
3 x 3½	1 95	3 65	7 00	4 20	8 00	7 20	10 20	11 20
3½ x 3	2 15	3 80	7 50	4 40	8 65	7 80	10 62	11 70
3½ x 3½	2 35	4 00	8 00	4 60	9 20	8 25	11 25	12 40
4 x 3½	2 70	4 70	8 80	5 40	10 15	9 15	12 50	13 75
4 x 4	2 90	5 00	9 20	5 75	10 60	9 55	13 75	15 15
4½ x 4½	4 00	6 00	10 00	6 90	11 50	10 35	15 00	16 50
5 x 5	5 50	7 50	12 50	8 65	14 40	13 00	17 50	19 25
5½ x 5½	6 50	9 00	14 00	10 35	16 10	14 50	20 00	22 00
6 x 6	7 60	11 00	16 50	12 65	17 40	16 25	30 00	33 00

Berlin Bronzed and all Nickel, packed with screws.

Sizes 2 x 2 to 3 x 2½, inclusive, 1 dozen pairs in box.  
 Sizes 3 x 3 to 4½ x 4½, inclusive, ½-dozen pairs in box.  
 Sizes 5 x 5 to 6 x 6, inclusive, ¼-dozen pairs in box.

Sizes 2 x 2 to 3½ x 3½, inclusive, 12 dozen in case.  
 Sizes 4 x 3½ to 4½ x 4½, inclusive, 16 dozen in case.  
 Sizes 5 x 5 to 6 x 6, inclusive, 6 dozen in case.

The James Smart Manufacturing Co., Brookville, Ont.

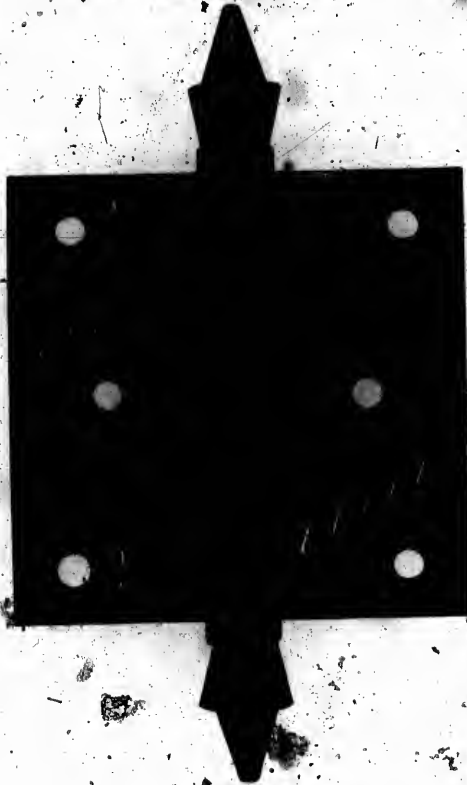
# FIGURED LOOSE PIN BUTTS.

(CAST.)

STYLE #8.

(Original Design, Registered.)

For either right or left hand doors.



FULL SIZE CUL. 3 x 3.

Number of screw holes same as in Style A.

IRON BUTTS, PER DOZEN PAIRS:

Inches.	3 x 3	3 1/2 x 3 1/2	4 x 4	5 x 5	6 x 6
Plain,	\$ 1 75	\$ 2 35	\$ 2 00	\$ 5 50	\$ 7 60
Japanned,	3 50	4 00	5 00	7 50	11 00
Japanned with Nickel Tips,	6 50	8 00	9 20	12 50	16 50
Berlin Bronzed, Polished,	6 75	8 25	9 55	18 00	16 75
Berlin Bronzed, Polished, Nickel Tips,	10 00	11 25	13 75	17 50	30 00
All Nickel Plated,	11 00	12 40	15 15	19 25	33 00

Berlin Bronzed and all Nickel Plated, packed with screws. 3 x 3, and 3 1/2 x 3 1/2, half-dozen in box; twelve dozen in case. 4 x 4, half-dozen in box; ten dozen in case. 3 x 3, and 6 x 6, quarter-dozen in box; six dozen in case.

## POLISHED BRASS, LACQUERED.

Packed with brass screws.

Inches.	3 x 3	3 1/2 x 3 1/2	4 x 4	5 x 5	6 x 6
Per pair,	\$3 80	\$4 40	\$5 40	\$7 60	\$10 40

One pair in package.



## BARN DOOR HANGERS.

ROUND GROOVE.

For round iron rail.

JAPANNED.

3-inch, 3-inch wheel, 10-inch plate,	per pair, \$0 50
4-inch, 4-inch wheel, 11-inch plate,	per pair, 0 75
5-inch, 5-inch wheel, 12 1/2-inch plate,	per pair, 1 00
6-inch, 6-inch wheel, 14-inch plate,	per pair, 1 15
8-inch, 8-inch wheel, 15-inch plate,	per pair, 1 80

Twelve pairs in case.

## BARN DOOR RAIL.

For round-groove hangers.



In two-foot lengths.

per foot, \$0 00

Two hundred feet in case.

The James Smart Manufacturing Co., Brookville, Ont.



## BARN DOOR HANGERS.

"CLIMAX" ANTI-FRICTION.

For square iron rail, extra heavy.

JAPANNED.

3½-inch, 3½-inch wheel, 11½-inch plate.  
4-inch, 4-inch wheel, 13½-inch plate,  
5-inch, 5-inch wheel, 16½-inch plate,

per pair, \$1 00  
per pair, 1 25  
per pair, 1 60

Twelve pairs in case.

## CLIMAX BARN DOOR RAIL



In two foot lengths,

per foot, \$0 05

Two hundred feet in case.

## BARN DOOR HANGERS.

### DOUBLE PLATE.

Extra heavy. For square iron rail.

### JAPPANED.

4-inch, 4-inch wheel, 13½-inch plate,	per pair, \$1 15
5-inch, 5-inch wheel, 16-inch plate,	per pair, 1 50
6-inch, 6-inch wheel, 17½-inch plate,	per pair, 1 90

Twelve pairs in case.



## SQUARE BARN DOOR RAIL.

For double plate hangers.



In two feet lengths, . . . . . per foot; \$0 05

Two hundred feet in case.

The James Smart Manufacturing Co., Brockville, Ont.



## BARN DOOR HANGERS.

"EXCELSIOR."

For wood track.

**HEAVY. JAPANED.**

Cannot be thrown from track.

4-inch, 4-inch wheel, 12 1/2-inch plate, per pair, \$1 00  
 5-inch, 5-inch wheel, 13 1/2-inch plate, per pair, \$1 25

Twelve pairs in case.

Make track of hardwood plank 2 inches thick, 2 3/4 inches wide, with 1 inch grooved out for small friction wheel; or two strips 1 inch thick each, and one 1 3/4 inches wide, the other 2 3/4 inches.

## BARN DOOR ROLLERS.

**ROUND GROOVE WHEELS.**



**JAPANED.**

Inch Wheel,					
Per pair,	\$0 75	\$0 90	\$1 00	\$1 45	\$2 15

4 and 5-inch, 20 pairs in case; 6, 8 and 10-inch, 12 pairs in base.

The James Smart Manufacturing Co., Brockville, Ont.

## SLIDING DOOR SHEAVES.



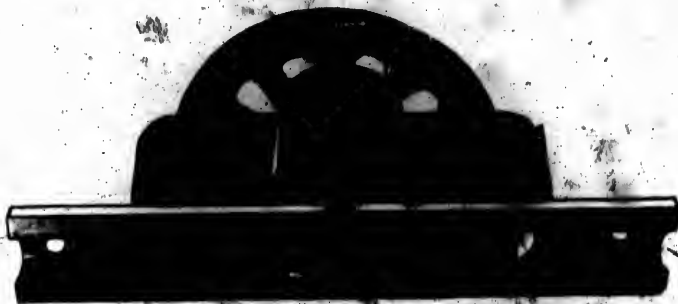
### STYLE A.

JAPANNED CASE, POLISHED WHEEL, WROUGHT IRON AXLE.

4-inch wheel,

per set of four, \$1 50

One set in package.



HALF SIZE, CUT, 3-INCH.

### STYLE B.

JAPANNED CASE, TURNED WHEEL, WROUGHT IRON AXLE.

3-inch wheel,

per set of four, \$1 37

4-inch wheel,

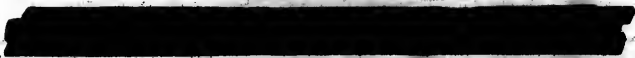
per set of four, 1 50

5-inch wheel,

per set of four, 2 00

One set in package.

## SLIDING DOOR RAIL.



Plain,  
Painted drab,

per foot, \$0 05  
per foot, 00

Two feet in a length. One hundred feet in case.

The James Smart Manufacturing Co., Brockville, Ont.

# DAVIS PARLOR DOOR HANGERS.

FOR SLIDING DOORS.

Patented Feb. 6, 1889.



DOOR HANGS FROM TOP, DISPENSING WITH TRACK ON FLOOR.

THE DAVIS PARLOR DOOR HANGER embodies all the important features of other Parlor Door Hangers, and has the following additional advantages :

1. It is *entirely* concealed from view.
2. It can be put up in one-fourth the time, and consequently at one-fourth the cost of any other make.
3. No plates are required at edge of door, and no cutting of door is necessary in fitting it.

It is fastened to top of door by long square head coach screws in a most substantial manner, and will carry 1,000 lbs. without strain ; is absolutely noiseless, requires no oiling, and cannot get off the track ; is easily adjusted by the turning of a screw to raise or lower door ; is self-adjusting to any unevenness of track, and bears equally on both rails of track under all circumstances.

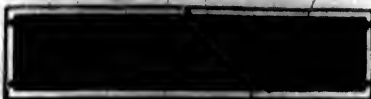
Packed, one set in wooden box, . . . . . per set, \$6 00

A set consists of four hangers with screws for raising and lowering, two pocket plates, two floor guides, one wrench, two double striking plates, twenty-eight feet hardwood track, two stop plates, eight coach screws.

One set will hang two doors. For single doors, use half a set.



## STAIR PLATES.



No. 1, 22 x 6 1/4 inches,  
No. 2, 27 x 6 1/4 inches,

each, \$0 60  
each, 0 88



## STORE STOOLS.

WITH SWIVEL.

Twenty-one inches high. Diameter of top, 6 inches;  
Diameter of base, 8 1/2 inches.

PLAIN.

Each, . . . . . \$1 50

PAINTED AND STRIPED.

Each, . . . . . \$2 00



## BUILDING WASHERS.

JAPPANED.

Any size, . . . . . per lb., \$0 06

The James Smart Manufacturing Co., Brockville, Ont.

## GATE LATCHES.

HALF SIZE CUT, No. 1.

### SPIRAL SPRING ACTION

For gates swinging both ways.



JAPANNED.

No. 1. . . . per dozen, \$1 80  
Half dozen in box.

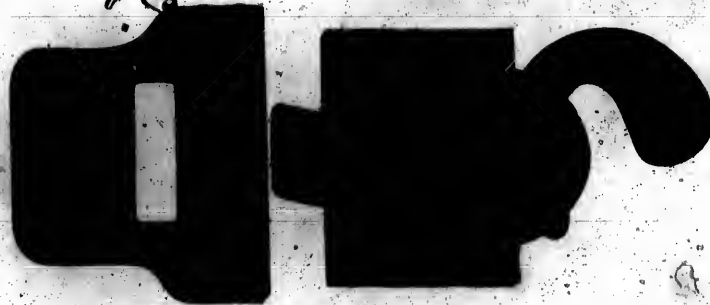
No. 2. . . . per dozen, \$2 20  
One dozen in package.

No. 4. . . . per dozen, \$2 00  
One dozen in box.

HALF SIZE CUT, No. 2.

### GRAVITY ACTION.

For gates swinging one way.



TWO-THIRDS SIZE CUT, No. 3.

### GRAVITY ACTION.

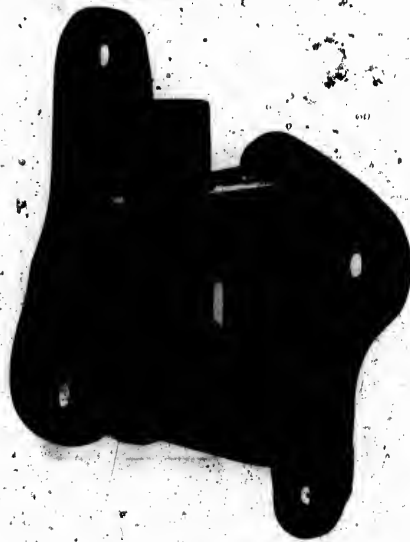
For gates swinging one way.

The James Smart Manufacturing Co., Brookville, Ont.

## PARKER'S GATE HINGES.



UPPER HINGE.



LOWER HINGE.

FULL SIZE CUTS. No. 1.

SELF-SHUTTING. TO SWING BOTH WAYS.

Suitable for either right or left hand gates.

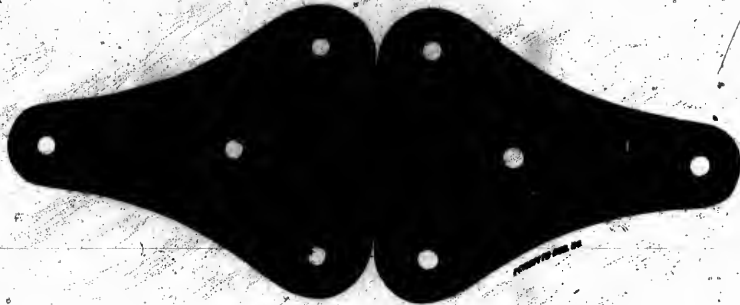
No. 1,

per dozen sets, \$2

Half-dozen sets in box.

The James Smart Manufacturing Co., Brockville, Ont.

## NEW ENGLAND GATE HINGES.



UPPER HINGE.



LOWER HINGE.

HALF SIZE CUTS. No. 5.

SELF SHUTTING. TO SWING ONE WAY.

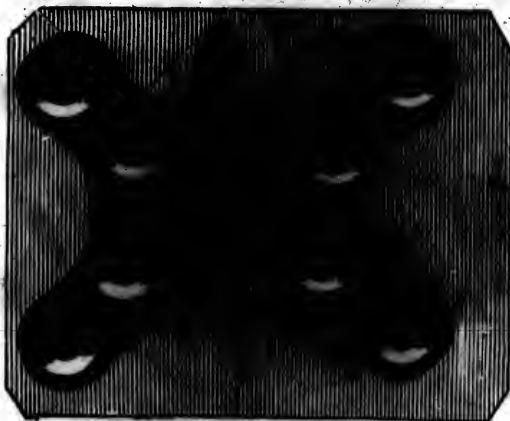
No. 5.

per dozen sets, \$6 25

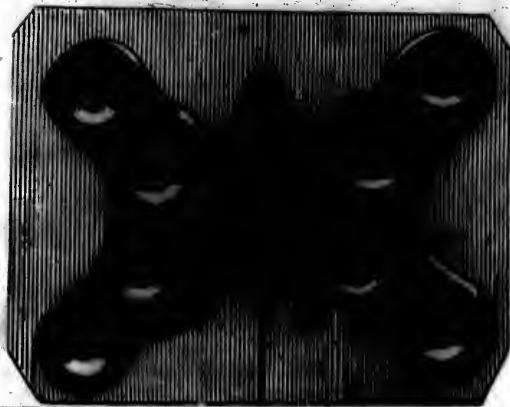
Half-dozen sets in box. Half right and half left hand.

The James Smart Manufacturing Co., Brockville, Ont.

## SURFACE-GATE HINGES.



UPPER HINGE.



LOWER HINGE.

TWO-THIRDS SIZE CUTS.

SELF-SHUTTING TO SWING ONE WAY.

JAPANNED.

No. 3.

per dozen sets, \$3 25

Half-dozen sets in box. Half right and half left hand.

The James Smart Manufacturing Co., Brookville, Ont.

## AUGER GATE HINGES.



UPPER HINGE.



LOWER HINGE.

QUARTER SIZE CUTS.

SELF-SHUTTING. TO SWING ONE WAY. EXTRA HEAVY.

JAPANNED.

No. 6.

per dozen sets, \$6 00

Half dozen sets in box. Half right and half left hand.

## NEW YORK GATE HINGES.



UPPER HINGE.



LOWER HINGE.

HALF SIZE CUTS.

SELF-SHUTTING. TO SWING BOTH WAYS.

Either right or left hand.

No. 9.

per dozen sets, \$3 00

Half dozen sets in box.

The James Smart Manufacturing Co., Brockville, Ont.

## CLARK'S PATENT GATE FIXTURES.



UPPER HINGE.



LOWER HINGE.



LATCH.



CATCH.

HALF SIZE CUTS.

SELF-SHUTTING. TO SWING ONE WAY.

Reversible for right or left hand gates.

No. 8, fixtures complete,

per dozen sets, \$6 00

No. 8, hinges only,

per dozen sets, 4 00

No. 8, latches only, with catches,

per dozen, 2 00

Hinges, half-dozen sets in package. Latches, half-dozen in box.

The James Smart Manufacturing Co., Brockville, Ont.

LEEBS' PATENT GATE FIXTURES.



UPPER HINGE, MALLEABLE IRON.



ON POSTS



ON GATE

LOWER HINGE, CAST IRON.



CATCH.



LATCH.

HALF SIZE CUTS.  
 SELF SHUTTING. TO SWING BOTH WAYS.  
 JAPANNED.

No. 7, fixtures complete.	One-third dozen sets in box.	per dozen sets, \$9 00
No. 7, hinges only.	Half dozen sets in box.	per dozen sets, 6 00
No. 7, latches only, with catches.	One dozen in box.	per dozen, 3 00



The James Smart Manufacturing Co., Brockville, Ont.



2 1/2-inch wheel,  
3-inch wheel.

## CLOTHES LINE PULLEYS.

JAPANNED.

per dozen, \$1 00  
per dozen, 1 86

One dozen in box.

FULL SIZE CUT. 2 1/2-INCH.

## CLOTHES LINE HOOKS.



No. 3.



No. 2.

FULL SIZE CUTS.  
JAPANNED.

No. 3, for two screws,  
No. 2, for four screws.

per dozen, \$0 35  
per dozen, 0 45

One dozen in box.

The James Smart Manufacturing Co., Brookville, Ont.

# REVOLVING CLOTHES REEL IRONS.

JAPANNED



QUARTER-SIZE CUT.

No. 2, Round Base, 5 inches diameter, per dozen, \$15 00



QUARTER-SIZE CUT.

No. 2 1/2, Square Base, 5 x 5 inches, per dozen, \$15 00

S.

\$1 00  
1 86

## FOOT SCRAPERS.



HALF SIZE CUT. No. 2.



QUARTER SIZE CUT. No. 3.



QUARTER SIZE CUT. No. 5.  
With Brushes.



QUARTER SIZE CUT. No. 4.

No. 2, Japanned, half-dozen in box  
No. 3, Japanned, quarter dozen in package  
No. 4, Green and Gold, one in package  
No. 5, Fancy Bronzed, one in package

per dozen, \$ 1 90  
per dozen, 8 00  
per dozen, 22 50  
per dozen, 30 00

## BOOT JACKS.



ONE-THIRD SIZE CUT. Nos. 2 and 12.

No. 2, Japanned  
No. 12, Fancy Bronzed

per dozen, \$2 75  
per dozen, 3 25

Half-dozen in package.



ONE-THIRD SIZE CUT. Nos. 3 and 13.

**BEETLE PATTERN.**

No. 3, Japanned,  
No. 13, Fancy Bronzed

per dozen, \$3 25  
per dozen, 3 75

Half-dozen in package.



ONE-THIRD SIZE CUT. No. 10.

No. 10, Berlin Bronzed

per dozen, \$3 00

Half-dozen in package.

The James Smart Manufacturing Co., Brookville, Ont.

---

## SAD IRONS.



(Original Design, Registered.)

We supply all sizes from 6 to 10 lbs. each in above style, which has extra heavy point, giving extra pressure where most needed. This will be found a decided improvement over the old style in ease of working and general efficiency. For the present we supply the four and five-pound irons in old style ordinary point only.

Sizes, 4, 5, 6, 7, 8, 9 and 10 lbs. each.

Japanned top and handle, extra polished face,	per lb.,	\$0 05
Gold Lacquered top and handle, extra polished face,	per lb.,	06
Gold Lacquered top and handle, Nickel Plated face,	per lb.,	08

Two hundred pounds in case. Assorted to order. Six hundred pounds in barrel.

## POLISHING IRONS.

Same style as above, with rounded edges and points.

Japanned top, polished face,	per lb.,	\$0 07
------------------------------	----------	--------

The James Smart Manufacturing Co., Brookville, Ont.

MRS. POTTS' COLD HAND DOUBLE POINTED  
SMOOTHING AND POLISHING IRONS.



Three irons, one handle and stand constitute a set as represented in cut.

There are three sizes in each set.

No. 1 weighs four pounds, has one round end for polishing or glossing, and is very suitable for light work.

No. 2 weighs five pounds, and is for general use.

No. 3 weighs six pounds, and is suitable for table-cloths, sheets, etc.

**FULL SETS.**

No. 50, Nickel Plated,  
No. 55, Plain Polished,

per dozen sets, \$30 00  
per dozen sets, 24 00

Six sets in a case.

**BROKEN SETS.**

No. 50, Nickel Plated, Nos. 1, 2 or 3 with handles,  
No. 50, Nickel Plated, Nos. 1, 2 or 3 without handles,  
No. 55, Plain Polished, Nos. 1, 2 or 3 with handles,  
No. 55, Plain Polished, Nos. 1, 2 or 3 without handles,

per dozen, \$12 00  
per dozen, 9 00  
per dozen, 10 00  
per dozen, 7 00

**EXTRA HANDLES.**

Per dozen,

\$4 00



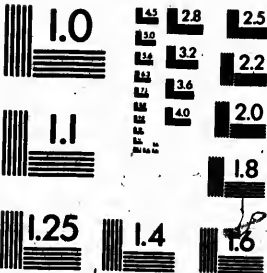






MICROCOPY RESOLUTION TEST CHART

(ANSI and ISO TEST CHART No. 2)



**APPLIED IMAGE Inc**

1653 East Main Street  
Rochester, New York 14609 USA  
(716) 482-0300 - Phone  
(716) 288-5889 - Fax

The James Smart Manufacturing Co., Brookville, Ont.

## SELF HEATING SAD IRONS.

CHARCOAL IRONS.



Nos. 3 AND 4.



QUARTER SIZE CUTS.

Nos. 5 AND 6. TAILORS'.

POLISHED EDGES AND FACE. GREEN AND GOLD TOPS.

No. 3, 7 x 3 $\frac{3}{4}$ -inch face, weight, 7 $\frac{1}{2}$  lbs.,

No. 4, 6 $\frac{1}{4}$  x 4 $\frac{1}{2}$ -inch face, weight, 8 lbs.,

No. 5, 10 $\frac{1}{2}$  x 3 -inch face, weight, 12 lbs.,

No. 6, 12 x 3 $\frac{1}{2}$ -inch face, weight, 13 $\frac{1}{2}$  lbs.,

per dozen, \$10 00

per dozen, 10 00

per dozen, 22 50

per dozen, 27 00

Each Iron papered separately.

## TAILORS' SMOOTHING IRONS.



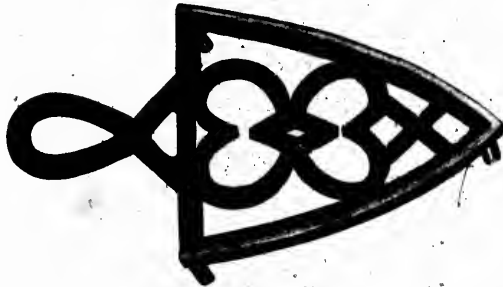
EXTRA POLISHED FACE.

Sizes 12, 14, 16, 18, 20, 24, 26 and 30 lbs. each.

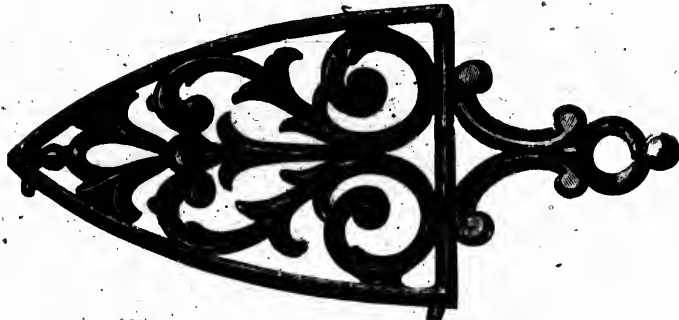
Per lb.,

\$0 07

## SAD IRON STANDS.



HALF SIZE CUT. No. 1.



HALF SIZE CUT. No. 2.

**JAPANNED.**

No. 1,  
No. 2,

per dozen, \$0 80  
per dozen, 1 10

One dozen in package.

## FIRE TONGS.



HALF SIZE CUT.

**JAPANNED.**

Per dozen,

\$2 40

Half dozen in package.

## COFFEE POT STANDS.



HALF SIZE CUT. Nos. 1 and 2.



HALF SIZE CUT. Nos. 3 and 4.

No. 1, Japanned,  
No. 2, Coppered,

per dozen, \$1 10  
per dozen, 1 25

One dozen in package.

No. 3, Berlin Bronzed,  
No. 4, Nickel Plated,

per dozen, \$1 75  
per dozen, 2 50

One dozen in box.

## CAST IRON COAL SHOVELS.



7-INCH HANDLE, 6 x 4-INCH BLADE.

No. 1, All Iron, Japanned,

per dozen, \$1 20

Half-dozen in package.



8-INCH HANDLE, 7 x 4-INCH BLADE.

No. 2, Wood handle, Japanned blade.

per dozen, \$1 30

Half-dozen in package.



7-INCH HANDLE, 7 x 5-INCH BLADE.

No. 3, All Iron, Japanned,

per dozen, \$1 50

No. 4, All Iron, Coppered,

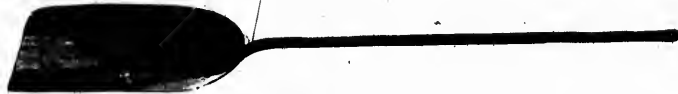
per dozen, 1 75

Half-dozen in package.

The James Smart Manufacturing Co., Brockville, Ont.

---

## WROUGHT IRON COAL SHOVELS.

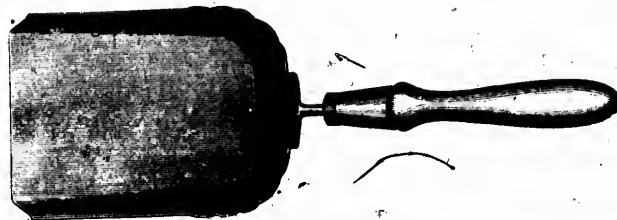


Nos. 5 and 7.

**ALL IRON, JAPANNED.**

No. 5, 11½-inch handle, 6½ x 4-inch blade, per dozen, \$1 50  
No. 7, 13 -inch handle, 8 x 5½-inch blade, per dozen, 2 50

Half-dozen in package.



No. 6.

**POLISHED HARDWOOD HANDLE, JAPANNED BLADE.**

Brass Ferrule on Handle. Malleable Joint, extra strong.

No. 6, 8-inch handle, 7 x 5½-inch blade per dozen, \$2 00

Half-dozen in package.

## FIRE IRON STANDS.



No. 1.



No. 2.



No. 3.



No. 4.



No. 5.

### FANCY BRONZED.

No. 1, height 24 inches,  
No. 2, height 27 inches,  
No. 3, height 27 inches,  
No. 4, height 27 inches,  
No. 5, height 24 inches,

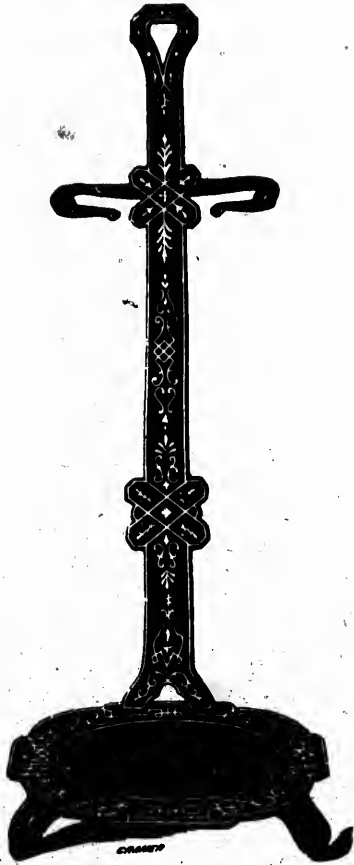
each, \$1 60  
each, 1 70  
each, 2 00  
each, 2 00  
each, 2 00

Packed singly in paper package.

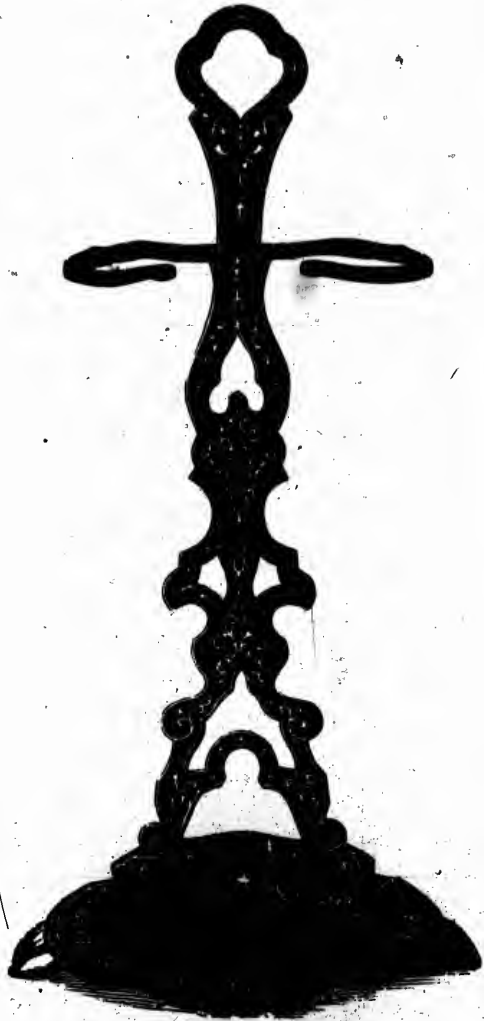


The James Smart Manufacturing Co., Brockville, Ont.

## FIRE IRON STANDS



QUARTER SIZE CUT. No 28.



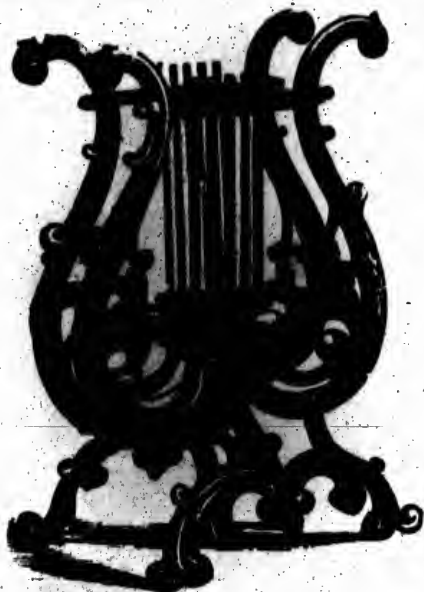
QUARTER SIZE CUT. No. 32.

**BERLIN BRONZED.**

No. 28, height 22 inches,  
No. 32, height 28 inches,

each, \$1 50  
each, 2 25

One in a package.



## BLOWER STANDS.

No. 1.

Height 12 $\frac{1}{4}$  inches, width at base 8 inches, at centre 9 inches, at top 5 $\frac{1}{4}$  inches.

**FINISHED IN GREEN AND GOLD BRONZE.**

Per dozen, . . . . . \$17 00

One-twelfth dozen in package.



No. 2.

Height 13 inches, width at base 8 inches, at centre 8 $\frac{1}{4}$  inches, at top 5 inches.

**BERLIN BRONZED.**

Per dozen, . . . . . \$15 50

One-twelfth dozen in package.

The James Smart Manufacturing Co., Brockville, Ont.

## UMBRELLA STANDS.



No. 1.



No. 2.



No. 3.

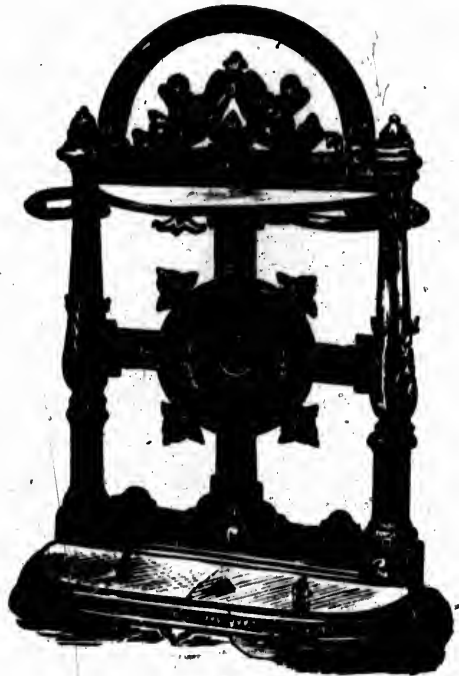
### FANCY BRONZED.

- |                          |              |
|--------------------------|--------------|
| No. 1, height 24 inches, | each, \$3 00 |
| Shipped singly, set up.  |              |
| No. 2, height 28 inches, | each, 5 00   |
| Shipped knocked down.    |              |
| No. 3, height 30 inches, | each, 6 00   |
| Shipped singly, set up.  |              |

## UMBRELLA STANDS.



No. 4.



No. 5.

### FANCY BRONZED.

No. 4, height 23 inches,

No. 5, height 31 inches,

each, \$ 7 00

each, 11 00

Shipped set up.

The James Smart Manufacturing Co., Brockville, Ont.

## MATCH SAFES.



HALF SIZE CUT. No. 2.



TWO-THIRDS SIZE CUT. No. 3.

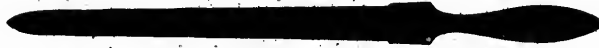
**BERLIN BRONZED.**

No. 2,  
No. 3,

per dozen, \$2 00  
per dozen, 2 50

Half-dozen in package.

## THE CARVER'S FRIEND.



Knife Sharpener, made of best Turkish Emery. Solid. Strengthened with Steel Wire.

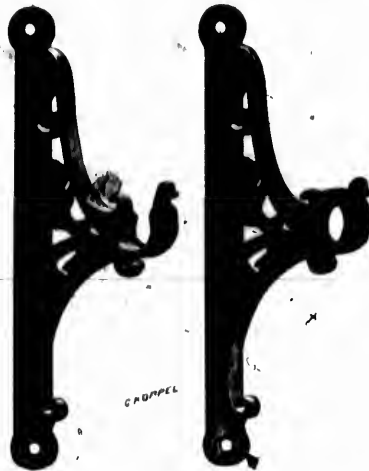
Per dozen,

\$3 00

Half-dozen in package.

The James Smart Manufacturing Co., Brockville, Ont.

## TOWEL ROLLER BRACKETS.



COPPEL

HALF SIZE CUT.

COPPERED.

Per dozen pairs,

\$2 40

One dozen pairs in package.

## MEAT POUNDER AND HATCHET.



ONE THIRD SIZE CUT.

Extra quality, Polished Hickory Handle 10 $\frac{1}{4}$  inches long. Cast Iron Head 4 $\frac{1}{2}$  inches across, finished in Gold Bronze, with 2-inch Cast Steel Knife. Extra polished.

Per dozen,

\$6 00.

Half-dozen in package.

## TACK HAMMERS.



ONE-THIRD SIZE CUT. NOS. 2 AND 12.

### JAPPANED.

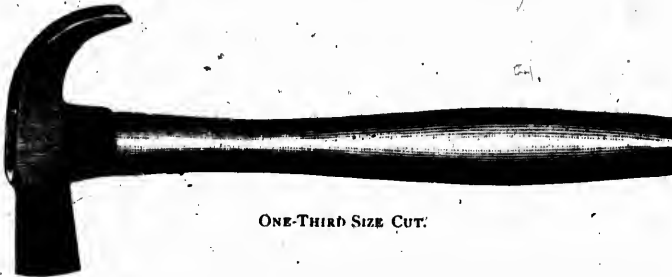
No. 1, 8 inches long, 3/4-inch head,	per dozen, \$0 90
No. 2, 9 1/2 inches long, 3/4-inch head,	per dozen, 1 40

### COPPERED.

No. 11, 8 inches long, 3/4-inch head,	per dozen, \$1 00
No. 12, 9 1/2 inches long, 3/4-inch head,	per dozen, 1 50

One dozen in package.

## NAIL HAMMERS.



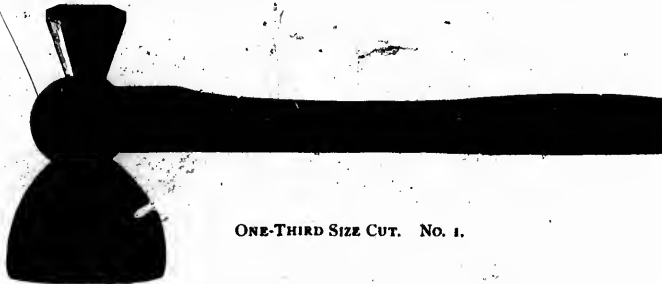
ONE-THIRD SIZE CUT.

5-INCH CAST IRON HEAD, POLISHED. 12 1/2-INCH HICKORY HANDLE.

Per dozen, \$2 00

Half dozen in Package.

## SHINGLING HATCHETS.



ONE-THIRD SIZE CUT. No. 1.

CAST IRON BLADE, POLISHED. HICKORY HANDLE.

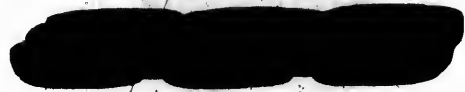
No. 1, 5 inch Blade	per dozen, \$3 00
No. 2, 6 inch Blade	per dozen, 4 00

Half dozen in Package.

CAKE AND ROLL PANS.



No. 1. For eleven 2½-inch Round Cakes.



No. 2. For eight 4-inch Oval Cakes.



No. 3. For two 12-inch Vienna Rolls.



No. 4. For six 7-inch Vienna Rolls.



No. 5. For twelve 3-inch French Rolls.

PLAIN CAST IRON.

Nos.	1	2	3	4	5
Per dozen,	\$3 75	\$3 75	\$2 75	\$2 50	\$4 00



## HOLLOW WARE.



POT.



KETTLE.



SPIDER.

### GROUND AND PAINTED.

	7-inch	8-inch	9-inch	10-inch
Pots, each,	\$0 53	\$0 66	\$0 72	\$0 81
Kettles, each,	44	54	63	70
Spiders, each,	23	25	30	36
Sets, (Pot, Kettle and Spider), each,	1 20	1 44	1 65	1 87



Per lb.

## SUGAR KETTLES.

\$0 05

### SIZES:

No. 1, capacity 4	pails, weight 47 lbs.
No. 2, capacity 5	pails, weight 60 lbs.
No. 3, capacity 6½	pails, weight 73 lbs.
No. 4, capacity 10	pails, weight 121 lbs.



PAINTED BLACK.

## TEA KETTLES.

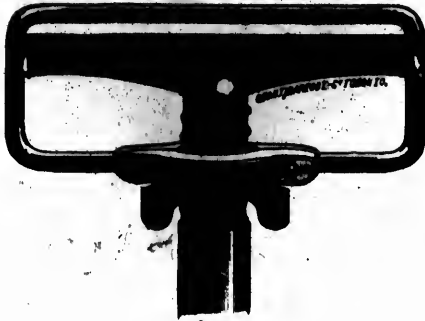
### CAST IRON.

#### PIT BOTTOM, SLIDING COVER.

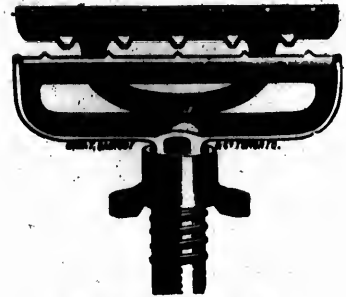
	7-in.	8-in.	9-in.	10-in.
Each,	\$0 60	\$0 72	\$0 84	\$0 96

The James Smart Manufacturing Co., Brockville, Ont.

## MOPS.



NIAGARA.



COMBINATION MOP AND  
BRUSH HOLDER.

HALF SIZE CUTS OF HEADS.

Complete with 4-ft. handles, best selected woods, stained.

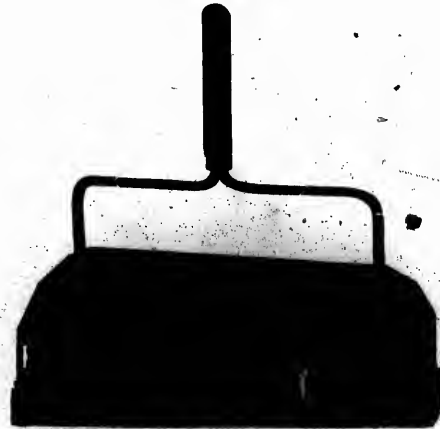
COPPERED CASTINGS.

Niagara,  
Combination,

per dozen, \$2 00  
per dozen, 2 25

One dozen in bundle.

## CARPET SWEEPERS. "AMERICAN."



VARNISHED CASES, HIGHLY ORNAMENTED.

Per dozen,

\$36 00

Half-dozen in case.

\$0 05

10-in,  
\$0. 96

The James Smart Manufacturing Co., Brockville, Ont.

## ROYAL DOMINION CLOTHES WRINGERS.



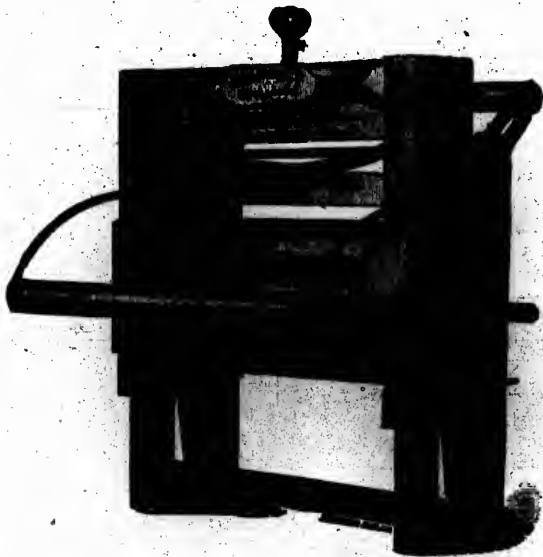
Pure White Rubber Rolls, Tinned Gears and Crank, Nickel Plated Thumb Screws, Brackets and Bolts.

**WILL FIT ROUND OR SQUARE TUBS.**

No. 2, 10-inch Rolls, . . . . . per dozen, \$72 00  
No. 3, 11-inch Rolls, . . . . . per dozen, 81 00

Half-dozen in case.

## ROYAL CANADIAN CLOTHES WRINGERS.



Pure White Rubber Rolls. All Iron parts  
Tinned.

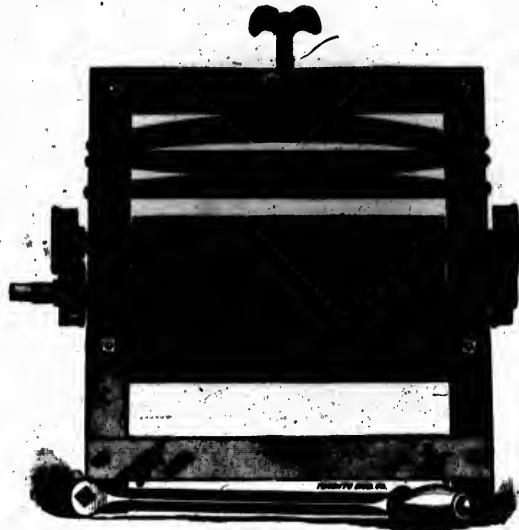
**WILL FIT ROUND OR SQUARE  
TUBS.**

No. 3, 11-inch Rolls, . . . per dozen, \$78 00

Half-dozen in case.

The James Smart Manufacturing Co., Brockville, Ont.

## NOVELTY CLOTHES WRINGERS.



Pure white rubber rolls. All iron work tinned.

No. 2, 10-inch rolls, . . . . . per dozen, \$69 00  
Half-dozen in case.

## GENEVA FLUTERS.



Brass crimping surfaces. Movable heater  
in base.

Per dozen, \$24 00

One-sixth dozen in box.

HALF SIZE CUT.

The James Smart Manufacturing Co., Brockville, Ont.

# MEAT AND VEGETABLE CHOPPERS.

STARRET'S PATENT.



Nos. 1, 2, 3 and 4.

## FAMILY SIZES.

- |                          |   |               |
|--------------------------|---|---------------|
| No. 1, 8-inch cylinder,  | Cuts three lbs. of meat in three minutes.                 | each, \$5 00  |
| No. 2, 10-inch cylinder, | Cuts six lbs. in three minutes.                           | each, \$7 00  |
| No. 3, 12-inch cylinder, | Cuts eight lbs in three minutes. Extra heavy for farmers. | each, \$10 00 |
- Four in a case.



Nos. B and 5.

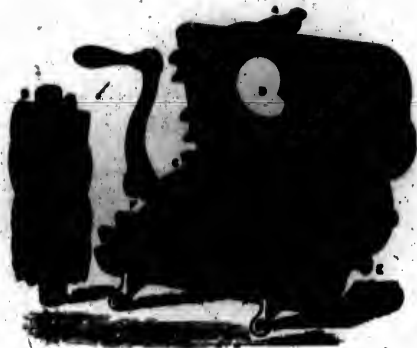
## BUTCHERS' SIZES.

- |                       |  |               |
|-----------------------|--|---------------|
| No. 4, 15-inch block, | Cuts 60 to 75 lbs. per hour.   | each, \$25 00 |
| No. B, 18-inch block, | Mounted on stand. One crank. Cuts 80 to 100 lbs. per hour.               | each, \$50 00 |
| No. 5, 20-inch block, | Mounted on stand. Two cranks, as per cut. Cuts 100 to 125 lbs. per hour. | each, \$60 00 |
- One in crate.

*NOTE* These Choppers cut the meat evenly, and as finely as desired, and do not grind or tear it.

The James Smart Manufacturing Co., Brockville, Ont.

## MEAT CUTTERS.



Nos. 1 and 2.  
HALE'S.

No. 1, 6-inches long, complete with Tin Spout,  
No. 2, 7 $\frac{1}{2}$  inches long, complete with Tin Spout,  
No. 3, 7 inches long,



No. 3.  
MILES'.

each, \$2 00  
each, 2 25  
each, 2 00

One-quarter dozen in case.

## FRUIT, LARD, AND JELLY PRESS

AND

## SAUSAGE STUFFER.



SCREW MOVEMENT. JAPANNED.

Capacity, four quarts.

Complete with Tin Spout, Tin Strainer, fitting inside cylinder, and small Plunger for use with same when pressing fruit or lard; also large Plunger, fitting tightly to cylinder, for sausage stuffing. Arch, with all mechanism attached, swings aside for filling.

Each, \$4 00

The James Smart Manufacturing Co., Brockville, Ont.

## STOW'S SAUSAGE STUFFERS.



### No. 0, BUTCHER'S SIZE.

25-inch Handle. Cylinder 10 x 4 1/2 inches. Spout (tin), 1-inch diameter.  
Capacity of Cylinder, 9 lbs.

Each . . . . . \$2 50

### No. 1, FAMILY SIZE.

22 1/2-inch Handle. Cylinder 9 x 3 1/2 inches. Spout (tin), 3/4-inch diameter.  
Capacity of Cylinder, 6 lbs.

Each, . . . . . \$2 00

### JAPANNED.

Half-dozen in case.

## AMES' SAUSAGE STUFFERS.



Tin Cylinder, 10 1/2 x 4 inches. Capacity 15 lbs. Plunger Rack 21 x 2 1/2 inches. 10-inch Crank.  
Wood Base.

### IRON WORK JAPANNED.

No. 2, with one Tin Spout, 6 3/4 x 7/8 inches, attached by soldering, . . . . . each, \$5 50  
No. 3, with two Tin Spouts, 6 3/4 x 7/8 inches, and 6 1/4 x 3/4 inches, with brass screw  
couplings on each, and on Cylinder, . . . . . each, 7 00

One in crate.

# TOBACCO CUTTERS.



No. 1.  
ON MAPLE BOARD.



No. 3.  
IRON FRAME.



No. 2.  
IRON FRAME.

No. 1, Holmes' pattern, for making fine cut only from plug, Japanned, 3-inch knife, . . . . . per dozen, \$10 00

One-third-dozen in package.

No. 2, For cutting any size, Painted and Bronzed, 3-inch knife, . . . . . per dozen, 15 00

One-sixth-dozen in package.

No. 3, Extra large and finely made, with spring gauge to regulate width of cut, Painted and Bronzed, 3¼-inch knife, . . . . . per dozen, 30 00

One in package.



The James Smart Manufacturing Co., Brockville, Ont.

## CORK PRESSERS.



HALF SIZE CUT.

JAPPANED.

No. 1, . . . . . per dozen, \$2 25

FANCY BRONZED.

No. 12, . . . . . per dozen, 3 00

Quarter-dozen in package.

## DUMB BELLS.



JAPPANED.

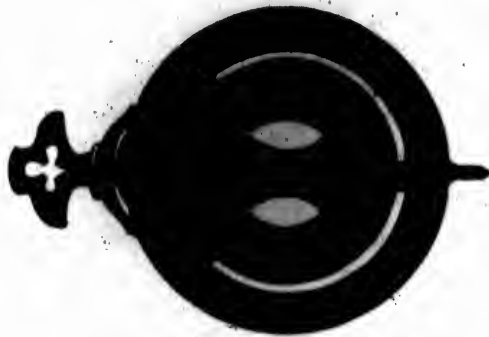
Sizes 4, 5, 6, 8, 10, 12, 16, 20, 24, 28 and 36 lbs. each.

Per lb., . . . . . \$0 05

The James Smart Manufacturing Co., Brookville, Ont.

## ECLIPSE STOVE PIPE DAMPERS.

"THE BEST."



WITH BERLIN BRONZED HANDLE.

Six-inch, . . . . .	per dozen, \$1 75
Seven-inch, . . . . .	per dozen, 2 00

One dozen in box.

## STOVE PIPE THIMBLES.



For 7-inch pipe.

For 4-inch walls, weigh 4 lbs. each.  
For 5-inch walls, weigh 5 lbs. each.  
For 6-inch walls, weigh 6 lbs. each.  
For 7-inch walls, weigh 7 lbs. each.  
For 8-inch walls, weigh 8 lbs. each.

Per lb., . . . . .	\$0 05
--------------------	--------

The James Smart Manufacturing Co., Brockville, Ont.

## ROUND FLOOR REGISTERS.



WITH IMPROVED-SLIDE CENTRE.

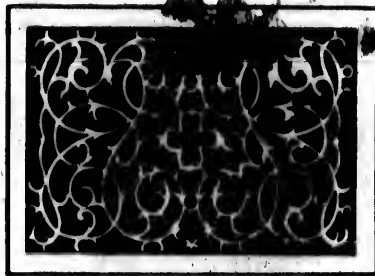
### JAPANNED.

Inside Diameter.	each,	Complete.	Without Valves.	Face only
8 inches,	each,	\$1 80	\$1 15	\$0 65
9 inches,	each,	2 00	1 30	75
10 inches,	each,	2 50	1 55	90
12 inches,	each,	3 30	2 00	1 20
14 inches,	each,	4 50	2 55	1 65
16 inches,	each,	5 75	3 40	2 20
20 inches,	each,	9 00	5 75	3 45

Also made to order with Gold Bronzed or Nickel Plated face at special rates.

One in package.

## SQUARE FLOOR REGISTERS.



WITH IMPROVED SLIDE CENTRE.

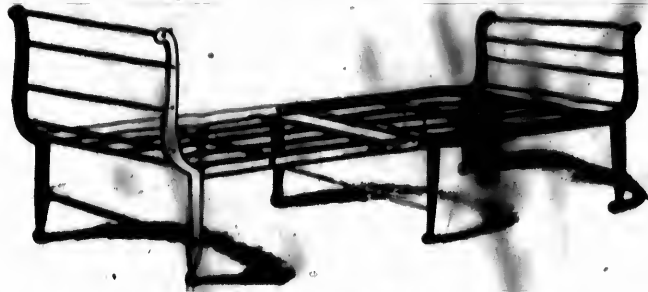
### JAPANNED.

Side of Opening.	each,	Complete.	Without Valves.	Face only.
6 x 8,	each,	\$1 80	\$1 20	\$0 62
8 x 10,	each,	2 50	1 75	85
8 x 12,	each,	2 80	2 00	1 00
9 x 12,	each,	3 30	2 35	1 25
10 x 14,	each,	4 00	2 85	1 75
12 x 15,	each,	5 00	3 70	2 00
14 x 22,	each,	8 00	5 50	3 10
16 x 24,	each,	10 50	7 65	5 00

Also made to order with Gold Bronzed or Nickel Plated face at special rates.

One in package.

## IRON BEDSTEADS.



### HOSPITAL PATTERN.

Plain Legs. Folding. Cast Iron Legs. Wrought Iron Frame.

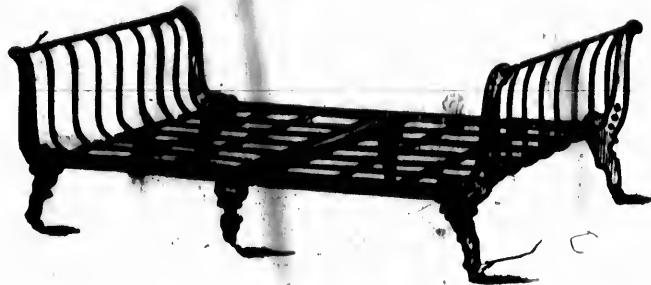
PAINTED GREEN.

2½ feet wide, 6 feet long,

each, \$3 75

Weight, 55 lbs.

Above is only size of this pattern kept in stock. Other sizes can be made to order.



### HARP PATTERN.

Fancy Legs. Folding. Cast Iron Legs. Wrought Iron Frame.

FINISHED IN GREEN AND GOLD OR MAROON AND GOLD.

#### STOCK SIZES:

Dimensions,	2½ x 6 ft.	3 x 6 ft.	3½ x 6 ft.	4 x 6 ft.	4½ x 6 ft.
Weight,	76 lbs.	82½ lbs.	86½ lbs.	90 lbs.	96 lbs.
Each,	\$5 00	\$5 25	\$5 50	\$6 25	\$7 25

Other sizes to order.

Legs of this pattern can be removed for shipping "knocked down," and re-attached by means of nuts.



11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

The James Smart Manufacturing Co., Brockville, Ont.

# PHILADELPHIA LAWN MOWERS.

STYLE "M."



7-inch Driving Wheels. Solid Wiper.

Carefully made in every particular of very best material, and fully equal to the American machine. Perfect working guaranteed.

10-inch cut,	each, \$6 37
12-inch cut,	each, 6 75
14-inch cut,	each, 7 50
16-inch cut,	each, 8 25

Packed one in box, with handle in separate package.



Showing Side-Draft attachment.

By special arrangement with the American makers, we are enabled to supply these standard machines at close prices. Following are sizes and list figures:

25-inch cut, without Shafts or Seat,	each, \$ 65 00
30-inch cut, with Shafts and Seat,	each, 110 00
35-inch cut, with Shafts and Seat,	each, 135 00
40-inch cut, with Shafts and Seat,	each, 170 00
The 25-inch Mower is furnished with Shafts when desired,	price, 10 00
Horse Boots,	per set, 12 00

## LAWN AND GARDEN ROLLERS.



PAINTED AND STRIPED.

No. 1, Roller 24 inches long, 19 inches diameter, weight 235 lbs.,	each, \$20 00
No. 2, Roller 36 inches long, 19 inches diameter, weight 348 lbs.,	each, 30 00
No. 3, Roller 48 inches long, 19 inches diameter, weight 460 lbs.,	each, 40 00
No. 4, Roller 60 inches long, 19 inches diameter, weight 572 lbs.,	each, 50 00

## DAVIS' LAWN RAKES.



STRONG HARDWOOD FRAMES, SPRING STEEL TEETH.

### No. 1.

Rake 21 inches long, 20 teeth with Brace, 5-ft. Handle.

Per dozen, . . . . . \$7 00

### No. 2.

Rake 15 inches long, 14 teeth, without Brace, 5-ft. Handle.

Per dozen, . . . . . 4 50

### No. 3.

Rake 11 inches long, 10 teeth, without Brace, 5-ft. Handle.

Per dozen, . . . . . 4 00

Half-dozen in bundle.

The James Smart Manufacturing Co., Brockville, Ont.

## BURRALL'S CORN SHELLERS.



**IRON FRAME. PAINTED AND STRIPED.**

Can be easily operated by one man, and can be regulated to shell any size of corn by means of spring in Hopper.

Each,

\$9 00

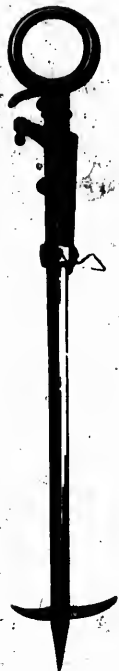


## KITCHEN GRINDSTONES.

**CAST IRON FRAME.**

Nine inches diameter, . . . . . per dozen, \$17 00  
Ten inches diameter, . . . . . per dozen, 20 00





## HARPOON HAY FORKS.

MALLEABLE HANDLE AND TRIMMINGS, JAPANNED. WROUGHT IRON SHANK AND POINT, STEEL PRONGS, POLISHED.

Total length, 36 inches.

Directions for use supplied with each Fork.

Each, . . . . . \$5 00

Half dozen in case.

## HAY FORK PULLEYS.

JAPANNED.

For use with Harpoon Hay Forks and innumerable other purposes.

EXTRA STRONG AND SMOOTH RUNNING.

For 1-inch rope. Diameter of wheel  $5\frac{1}{4}$  inches.

With Swivel Eye, . . . . . per dozen, \$5 50  
With Stationary Eye, . . . . . per dozen, 5 00

Six dozen in barrel.



17 00  
20 00

The James Smart Manufacturing Co., Brackville, Ont.

---

## HORSE POKES.



OF BEST SEASONED HARDWOOD.

MALLEABLE IRONS.

Pioneer, . . . . .	per dozen, \$9 00
American, . . . . .	per dozen, 9 00

Half-dozen in bundle.

## SAP SPOUTS.



**EUREKA.**  
With wire hook.

Eureka,  
Willis,



**WILLIS.**  
All one piece.

per 1,000, \$20 00  
per 1,000, 25 00

100 in package; 1,000 in case.

## CIDER PRESS SCREWS.

### CAST IRON NUTS.

No. 1, 20 inches long,  $1\frac{1}{2}$  inches diameter, each, \$2 20

### CAST BRASS NUTS.

No. 2, 20 inches long,  $1\frac{1}{2}$  inches diameter, each, 2 60

## WINE AND HAY PRESS SCREWS

### CAST IRON NUTS.

No. 3, 22 inches long, 3 inches diameter, each, \$10 00

No. 4, 24 inches long, 4 inches diameter, each, 15 00

Special lengths to order.

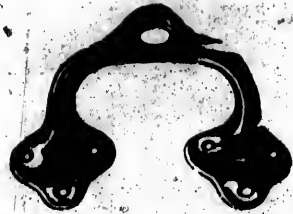


## MILK CAN HANDLES.



ONE-THIRD SIZE CUT. No. 3.

- No. 1, 18-inch circle,
- No. 2, 20-inch circle,
- No. 3, 22-inch circle,



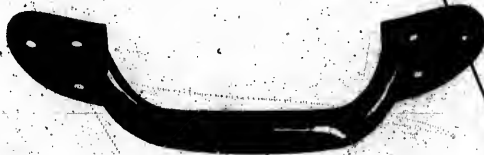
ONE THIRD SIZE CUT. No. 1.  
Style of Nos. 1 and 2.

JAPANNED.

per pair,	\$0 18
per pair,	20
per pair,	26

Nos. 1 and 2, half-dozen pairs in package. No. 3, quarter-dozen pairs.

## CHEESE HOOP HANDLES.



HALF SIZE CUT.

JAPANNED.

Per pair,

\$0 12

Half-dozen pairs in package.



## CHEESE PRESS SCREWS.

Made from best refined iron, specially imported.

HEAVY SQUARE THREAD, THREE TO THE INCH.

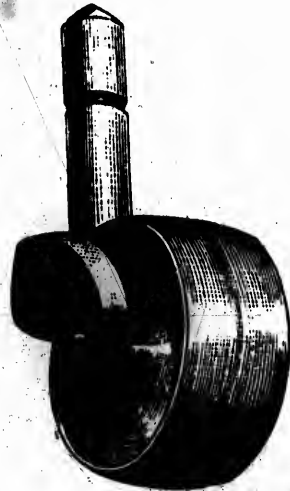
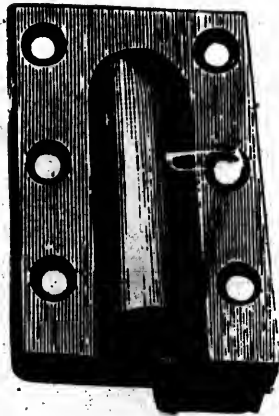
22 inches over all. Screw 16 1/2 inches long, 1 1/4 inches diameter. Bottom 8 1/2 inches diameter.  
Flange 8 1/4 inches diameter. Nut 7 1/4 inches diameter.

NUT, FLANGE AND BASE JAPANED.

Each.

\$3 00

## CURD SINK CASTERS.



HALF-SIZE CUT. No. 6.

No. 0, wheel 3 inches diameter, 1 1/2-inch face,

per set of four, \$2 00

No. 1, wheel 4 1/4 inches diameter, 1 3/4-inch face,

per set of four, 4 00

\$0 18  
20  
26

The James Smart Manufacturing Co., Brockville, Ont.

## CHEESE VAT GATES.



STRAIGHT.

No. 1, inside diameter  $2\frac{1}{8}$  inches, length 7 inches, . . . . . each, \$ 1 70  
No. 2, inside diameter 3 inches, length  $8\frac{1}{4}$  inches, . . . . . each, 2 60

No. 1,  $11\frac{1}{2}$ -inch-Lever. No. 2,  $13\frac{1}{2}$ -inch Lever.

See also page 126.

## SPECIAL CREAMER GATES.



FULL SIZE CUT.

STRAIGHT.

With Lock Lever, extra strong, to prevent breakage when lowering cans. Diameter  $\frac{3}{4}$ -inch.

JAPPANED.

Per dozen, . . . . . \$ 6 00

TINNED.

Per dozen, . . . . . \$ 6 50

One dozen in box.

The James Smart Manufacturing Co., Brockville, Ont.

## STEBBINS' MOLASSES GATES.



FULL SIZE CUT. No. 2.

### JAPANNED. TO SCREW.

No.	1	2	3	4	5
Inside Diameter,	13-16-in.	7/8-in.	1 1/4-in.	1 1/2-in.	1 3/4-in.
Per dozen,	\$7 00	\$8 00	\$9 00	\$10 00	\$12 00

Half-dozen in a box or package.

## STEBBINS' CHEESE VAT GATES.

Same style as Molasses Gates.

No. 6, 2 1/2 inches diameter, 8 inches long, to screw, Japanned, each, \$3 00

Shipped singly.

The James Smart Manufacturing Co., Brockville, Ont.

## PETROLEUM FAUCETS.



HALF SIZE. 1/2 INCH.

### JAPANNED TO SCREW.

1/2-inch, Brass Lever Handle, Solid Brass Plug,	per dozen, \$ 8 25
3/8-inch, Japanned Iron Lever Handle, Iron Plug, Brass Bushed,	per dozen, 9 00
3/4-inch, Japanned Iron Lever Handle, Iron Plug, Brass Bushed,	per dozen, 10 50
1-inch, Japanned Iron Lever Handle, Iron Plug, Brass Bushed,	per dozen, 12 00

Diameters given are inside at shank.

Half-dozen in box.



## IRON SCALE WEIGHTS.

INSPECTED AND STAMPED.

Sizes: 5 lbs., 3 lbs., 2 lbs., 1 lb., 8 oz., 4 oz., 2 oz., 1 oz., 1/2-oz.

### JAPANNED.

5 lbs. down to 1/2-oz., . . . . .	per set, \$2 10
3 lbs. down to 1/2-oz., . . . . .	per set, 1 73
2 lbs. down to 1/2-oz., . . . . .	per set, 1 30
1 lb. down to 1/2-oz., . . . . .	per set, 1 07
1/2-lb. down to 1/2-oz., . . . . .	per set, 83

Each set papered separately.



The James Smart Manufacturing Co., Brookville, Ont.

# BRASS SCALE WEIGHTS.

INSPECTED AND STAMPED.



DOMINION PATTERN. IN CIRCULAR BLOCK.



DISK PATTERN. IN NEST.

Sizes: 5 lbs., 3 lbs., 2 lbs.; 1 lb., 8 oz., 4 oz., 2 oz., 1 oz., 1/2 oz.

Dominion pattern, per set :

5 lbs. down to 1/2-oz.,  
 3 lbs. down to 1/2-oz.,  
 2 lbs. down to 1/2-oz.,  
 1 lb. down to 1/2-oz.,  
 1/2-lb. down to 1/2-oz.,

\$7 77  
 5 00  
 3 30  
 2 13  
 1 50

Diak pattern, per set :

5 lbs. down to 1/2-oz.,  
 3 lbs. down to 1/2-oz.,  
 2 lbs. down to 1/2-oz.,  
 1 lb. down to 1/2-oz.,  
 1/2-lb. down to 1/2-oz.,

\$7 72  
 4 95  
 3 25  
 2 08  
 1 45

## TWINE BOXES.



Nos. 1 and 4.  
**BEEHIVE PATTERN.**



Nos. 2 and 5.  
**BIVALVE.**

**JAPPANED.**

No. 1,  
No. 2,

per dozen, \$7 00  
per dozen, 8 50

**FANCY BRONZED.**

No. 4,  
No. 5,

per dozen, \$8 00  
per dozen, 9 50

Nos. 1 and 4, one in package. Nos. 2 and 5, two in package.

## HANGING TWINE BOXES.



Nos. 3 and 7.  
**FOR CEILING.**



Nos. 6 and 8.  
**WITH FRAME FOR COUNTER.**

**JAPPANED.**

No. 3,  
No. 6,

per dozen, \$3 50  
per dozen, 7 50

**COPPERED.**

No. 7,  
No. 8,

per dozen, \$4 50  
per dozen, 8 50

One-third dozen in package.

The James Smart Manufacturing Co., Brockville, Ont.

## TWINE BOXES.



Nos. 10 and 20.

No. 10, Japanned,  
No. 20, Coppered,  
No. 15, Japanned,  
No. 25, Berlin Bronzed,



Nos. 15 and 25.

per dozen, \$7 00  
per dozen, 7 50  
per dozen, 7 50  
per dozen, 8 50

One-quarter-dozen in box.



No. 30.

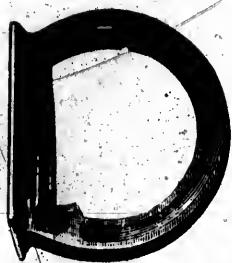
No. 30, Berlin Bronzed,

per dozen, \$8 50

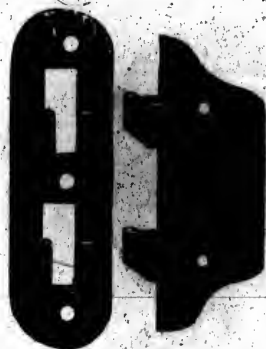
One in package.

12

BED FASTENERS.



No. 1.  
BLOCK PATTERN.



No. 2.  
SARGENT'S.



No. 3.  
HORSE SHOE.



No. 4.  
DOVE-TAIL HORSE SHOE.

No.  
Per set,

HALF SIZE CUTS,

1	2	3	4
\$0 10	\$0 12	\$0 12	\$0 14

Four in set. Fifty sets in case.

The James Smart Manufacturing Co., Brockville, Ont.

---

## WROUGHT IRON BED FASTENERS.



HALF SIZE CUT.

STAMPED FROM BAND IRON. GAUGE 10.

Four in set. Complete with pins.

No. 5, one hook, . . . . .	per set, \$0 12
No. 6, two hooks, as per cut, . . . . .	per set, 16

One hundred sets in case.

## PLATE CASTERS.

### ALL IRON, COPPERED.

No.	2	3	4	5	6
Per set,	\$0 11	\$0 12	\$0 15	\$0 17	\$0 20

### PORCELAIN WHEEL.

Iron Plate and Horn, Coppered.

No.	2	3	4	5	6
Per set,	\$0 14	\$0 16	\$0 18	\$0 20	\$0 24

### BRASS WHEEL.

Iron Plate and Horn, Coppered.

No.	2	3	4	5	6
Per set,	\$0 26	\$0 33	\$0 42	\$0 45	\$0 60

### BRASS HORN, PORCELAIN WHEEL.

Iron Plate, Coppered.

No.	2	3	4	5	6
Per set,	\$0 28	\$0 34	\$0 40	\$0 44	\$0 52

### BRASS HORN, BRASS WHEEL.

Iron Plate, Coppered.

No.	2	3	4	5	6
Per set,	\$0 41	\$0 51	\$0 64	\$0 72	\$0 87

Four in set. Half-dozen sets in package.



FULL SIZE CUT. NO. 3.

## PHILADELPHIA CASTERS.

### ALL IRON. COPPERED.

No.	2	3	4	5	6
Per set,	\$0 12	\$0 13	\$0 15	\$0 16	\$0 18

### PORCELAIN WHEEL.

Iron Horn, Coppered.

No.	2	3	4	5	6
Per set,	\$0 15	\$0 17	\$0 19	\$0 20	\$0 22

### BRASS WHEEL.

Iron Horn, Coppered.

No.	2	3	4	5	6
Per set,	\$0 27	\$0 34	\$0 41	\$0 43	\$0 58

Four in set. Half-dozen sets in package.



FULL SIZE CUT. NO. 3.

## BED CASTERS.



FULL SIZE CUT. 1 3/4 INCH.

### ALL IRON, COPPERED.

1 3/4-inch.	per set of four, \$0 12
2-inch.	per set of four, 18
2 1/4-inch.	per set of four, 27

### PORCELAIN WHEEL.

Iron Fork, Coppered.

1 3/4-inch.	per set of four, \$0 17
2-inch.	per set of four, 24

### BRASS WHEEL.

Iron Fork, Coppered.

1 3/4-inch.	per set of four, \$0 36
2-inch.	per set of four, 63
2 1/4-inch.	per set of four, 90

Each set papered separately. 1 3/4 inch, half-dozen sets in package ;  
2 and 2 1/4 inch, one-third-dozen sets.

 In bulk, 100 sets in case.

## HEARSE ROLLERS.



FULL SIZE CUT.

### BRASS, SILVER PLATED.

Packed with screws.

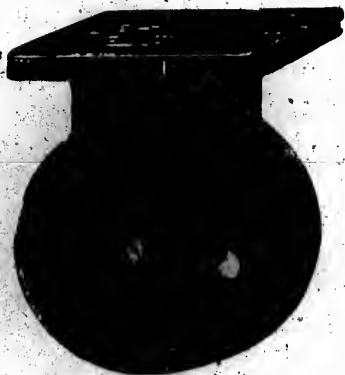
Per dozen,

\$5 00

Two dozen in box.



## STORE TRUCK CASTERS.



**STATIONARY.**



**SWIVEL.**

HALF SIZE CUTS.

Wheels,  $3\frac{1}{4}$  inches diameter, by 1 inch face.

Stationary,  
Swivel, .

each, \$0 50  
each, 62

## ORGAN CASTERS.



**FULL SIZE CUT.**

Per set of four, .

\$0 28

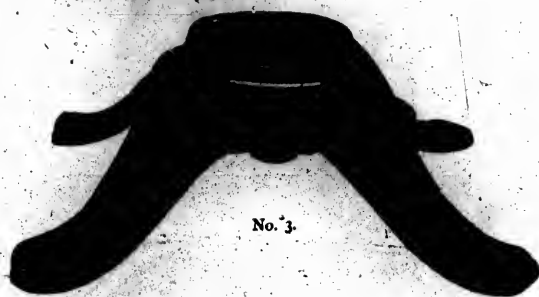
The James Smart Manufacturing Co., Brockville, Ont.

## PIANO STOOL LEGS.



No. 2.

No. 2. 8½ inches long.  
**JAPPANED OR PLAIN.**  
Per set of three, . . . . . \$0 50



No. 3.

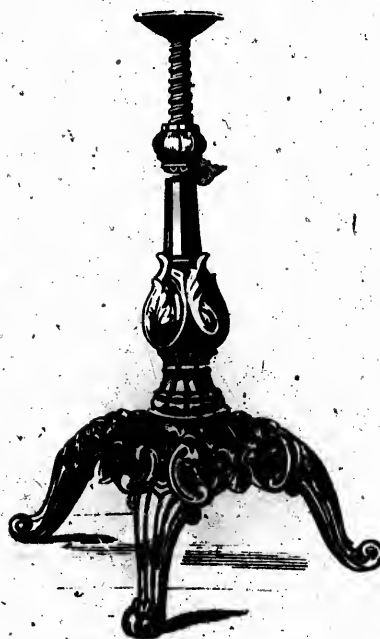
No. 3. 5 inches high.  
**JAPPANED OR PLAIN.**  
Each, . . . . . \$1 30

## TRIPOD PIANO STOOLS.

COMPLETE WITH SCREWS.

Height, exclusive of screw, 17 inches. Screw 7 inches long.

No. 1, Plain, . . . . . each, \$2 80  
No. 2, Painted and Bronzed, . . . . . each, 3 30



TRIPOD.

The James Smart Manufacturing Co., Brockville, Ont.

## PIANO STOOL SCREWS.



No. 1. ROUND FACED NUT.  
To screw in.



No. 2. ROUND FACED NUT.  
To fasten with screws.

No. 1,	per dozen,	$\frac{3}{4}$ -in. \$5 00	$\frac{1}{2}$ -in. \$5 00	1-in. \$6 25
No. 2,	per dozen,	$\frac{3}{4}$ -in. \$5 00	$\frac{1}{2}$ -in. \$5 00	1-in. 1 \$6 25

## HAT RACK PANS.



PLAIN.

No. 1, Shell, 6 x  $7\frac{1}{4}$  inches,  
No. 2, Round, diameter 9 inches,  
No. 3, Square,  $6\frac{1}{2}$  x  $8\frac{1}{4}$  inches,

per dozen, \$2 50  
per dozen, 3 00  
per dozen, 3 60

The James Smart Manufacturing Co., Brockville, Ont.

## CHAIR SCREWS.

### FOR WOOD SEATS.



No. 1.

No. 1, 7 $\frac{1}{4}$  inches long, 1-inch diameter. Flange 5 $\frac{1}{2}$  inches diameter.  
9-inch cross plates (wrought iron) at bottom; 4-inch cross plates on nut.

Per dozen, \$ 6 00

No. 2, 11 inches long, 4 $\frac{1}{2}$  inches thread, 1 $\frac{1}{4}$  inches diameter. Flange.  
6 inches diameter. Round Faced-Nut, 3 $\frac{1}{2}$  inches diameter.

Per dozen, \$10 00



No. 2.

## CHAIR SCREWS.

### WITH DOVETAIL NUTS.



No. 4. WITH SPIDER FOR CANE SEATS.

Screw 7 $\frac{1}{2}$  inches long, 1 inch diameter.

No. 3, with 5 $\frac{1}{2}$ -inch Flange for Wood Seats,  
No. 4, with 21-inch Spider for Cane Seats,

per dozen, \$12 60  
per dozen, 14 40

### PIVOTS AS ABOVE, NO THREADS.

No. 3, for Wood Seats,  
No. 4, for Cane Seats,

per dozen, \$ 9 00  
per dozen, 10 80

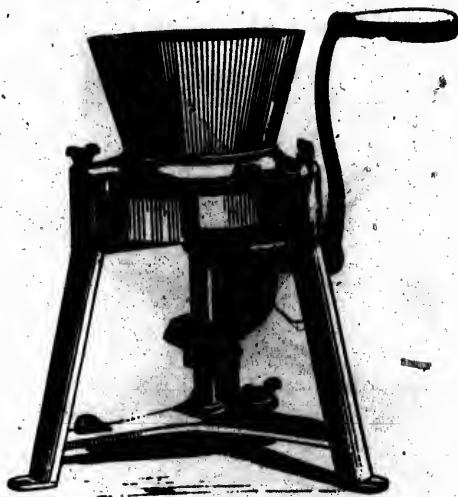
The James Smart Manufacturing Co., Brookville, O.,

## PAINT MILLS.



No. 0, Painted and Striped,

each, \$3 00



QUARTER-SIZE CUT. No. 1.  
HARRIS' PATENT.

PAINTED AND STRIPED.

No. 1, height 13 inches, Hopper  $6\frac{1}{2}$  inches diameter, by  $4\frac{1}{4}$  inches deep,  
No. 2, height 17 inches, Hopper 7 inches diameter, by  $5\frac{1}{4}$  inches deep,

each, \$9 00  
each, 11 00

The James Smart Manufacturing Co., Brockville, Ont.

## QUILT FRAME CLAMPS.



HALF-SIZE CUT.

ALL CAST IRON. COPPERED.

2 1/4-inch opening.

Per dozen,

\$ 0 80

One dozen in box.

## SCREW CLAMPS



HALF-SIZE CUT. 3-INCH.

WROUGHT IRON SCREW. CAST IRON FRAME.

JAPANNED.

2-inch opening  
3-inch opening  
4-inch opening  
6-inch opening  
8-inch opening  
9-inch opening

per dozen, \$1 50  
per dozen, 2 75  
per dozen, 3 25  
per dozen, 6 00  
per dozen, 8 00  
per dozen, 9 00

2 and 3-inch, one dozen in package. 4 and 6-inch, half-dozen in package. 8 and 9-inch, loose.

The James Smart Manufacturing Co., Brockville, Ont.

## BENCH SCREWS.



WROUGHT IRON SCREWS. CAST IRON HEADS AND NUTS.

JAPANNED.

Made from specially imported Best Refined Iron.

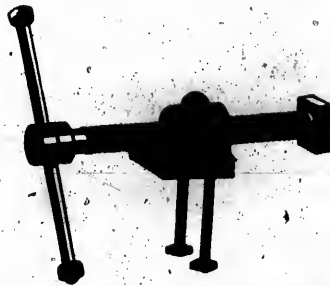
Hickory or Rock Elm Handles.

Double Thread Screws, 14 inches long.

Diameter of Screw.	1-in.	1 1/4-in.	1 1/2-in.
Per dozen,	\$8 00	\$9 50	\$11 00

Half-dozen in case.

## CARPENTERS' CRAMP SCREWS.



Made from specially imported Best Refined Iron.

WROUGHT IRON HANDLES. DOUBLE THREAD SCREWS.

Cast Iron Heads and Nuts.

Screws, 12 inches long.

1 1/4-inch diameter,  
1 1/2-inch diameter,

each, \$1 70  
each, 2 20

The James Smart Manufacturing Co., Brockville, Ont.

# KEYSTONE GRINDSTONE FIXTURES.

WITH FRICTION WHEEL BEARINGS.



QUARTER-SIZE CUT. No. 3½.

**ENCASED ROLLERS. JAPANNED.**

LIGHT WEIGHT:

No. 22, 15-inch shaft,	per dozen sets, \$7 30	No. 33, 17-inch shaft,	per dozen sets, \$8 75
------------------------	------------------------	------------------------	------------------------

STANDARD WEIGHT:

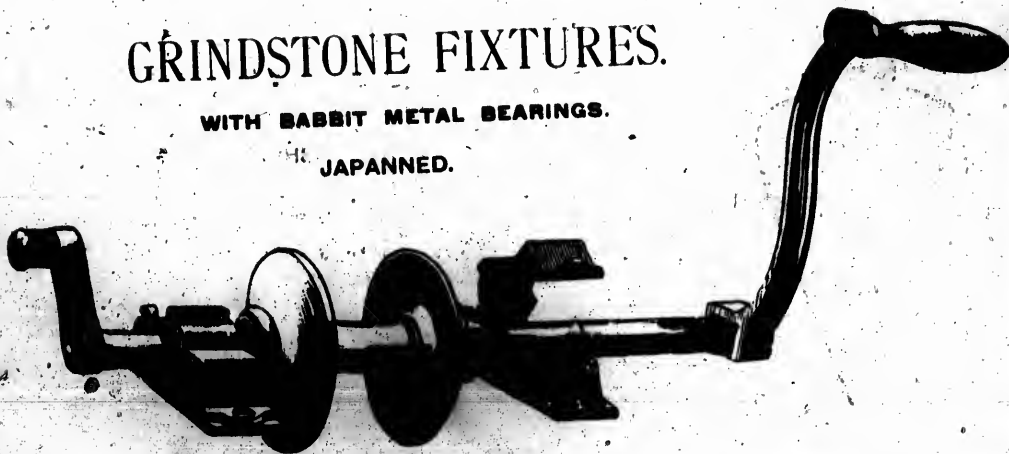
No. 2½, 15-inch shaft,	per dozen sets, \$7 80	No. 4, 21-inch shaft,	per dozen sets, \$11 25
No. 3, 17-inch shaft,	per dozen sets, 9 25	No. 4½, 24-inch shaft,	per dozen sets, 12 50
No. 3½, 19-inch shaft,	per dozen sets, 10 50		

Half-dozen sets in case.

# GRINDSTONE FIXTURES.

WITH BABBIT METAL BEARINGS.

JAPANNED.



QUARTER-SIZE CUT.

No. 3, 17-inch shaft,

per dozen sets, \$9 75

Half-dozen sets in case.



The James Smart Manufacturing Co., Brookville, Opt.

## IRON BRACES.



QUARTER-SIZE CUT. No. 1.

**JAPANNED.**

With Malleable Key to tighten Bit.

No. 1, 8 inches long.

No. 2, 9 inches long.

per dozen, \$3 20

per dozen, 4 00

Half dozen in package.

## PLUMB BOBS.

No. 1. IRON. JAPANNED.

3 $\frac{1}{4}$  inches long, 2 inches broad. Weight, each, 1 lb. 6 oz.

Per dozen,

\$2 40

Half-dozen in box.

No. 2. BRASS. BURNISHED.

3 $\frac{1}{2}$  inches long, 1 $\frac{1}{2}$  inches broad. Weight, each, 1 lb. 5 oz.

Each,

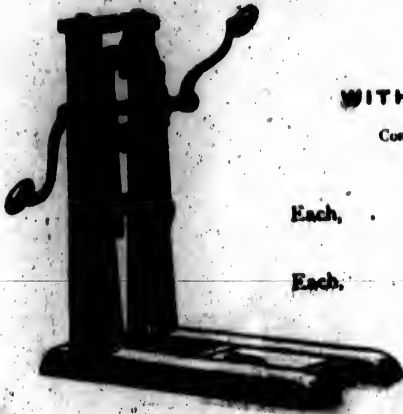
\$0 90

Quarter-dozen in box.



The James Smart Manufacturing Co., Brockville, Ont.

## CARPENTERS' BORING MACHINES.



No. 1 and 3.  
UPRIGHT.

WITH HARDWOOD FRAME AND BASE.

Complete with augers, one each, 1½, 1¼ and 3-inch, and wrench.

Each,

No. 1. ROUND SHAFT.

\$7 50

Each,

No. 3. SQUARE SHAFT.

8 00

No. 2. ROUND SHAFT.

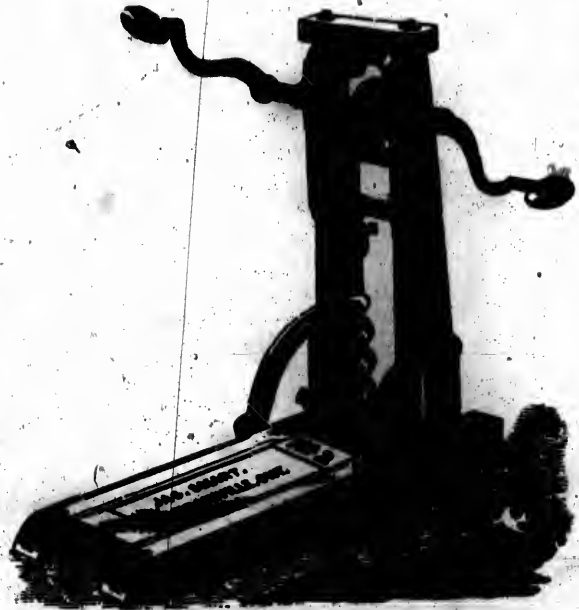
Angular, to slant in one direction only.

Stronger than the form of Angular Machine shown on page 144, the bent guide acting as brace to frame.

Complete with Augers, 1½, 1¼, and 3-inch, and wrench.

Each,

\$8 50



No. 2.  
ANGULAR.



The James Smart Manufacturing Co., Brockville, Ont.

## CARPENTERS' BORING MACHINES.

WITH HARDWOOD FRAME AND BASE.



Nos. 4 and 4½.

Angular, with Angle Indicator. To slant in two directions.

Complete with Augers, one each 1¼, 1½ and 2 inch, and wrench.

No. 4, Round Shaft,  
No. 4½, Square Shaft,

each, 8 50  
each, 9 00

## BORING MACHINE AUGERS.



CAST STEEL 12 INCHES LONG.

Per set; (one each 1¼, 1½ and 2 inch),

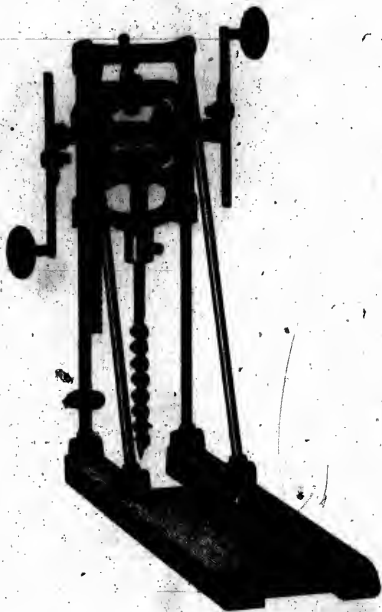
\$4 50

The James Smart Manufacturing Co., Brookville, Ont.

# PEERLESS AUTOMATIC BORING MACHINE.

THE VERY BEST.

STEEL FRAME. WOOD BASE.



This machine has been fully perfected in all its parts, and is now sold with the full warrant that it will do better work, and give better satisfaction, than any other kind in use. The frame is made of half inch round steel rods; the braces are the same and attach to the rods at the top by a set screw. When this set screw is loosened, the frame falls over so as to bore at any desired angle.

The No. 1 machine is wholly automatic, when the right depth is reached the Auger comes to a full stop, the next turn loosens the screw; then it falls into gear and is drawn out of the hole without slackening the speed or changing the motion. When raised to the top the gate hangs itself up until the machine is moved to the next hole, then, by turning the crank in same direction, it unhooks itself and descends to its work. During all these movements the hands are not removed from the cranks. The No. 2 machine is same as No. 1, except that the shifting is done with a lever moved by the hand. As seen in the cut, the machine has adjustable cranks, which fully regulate its speed and power.

The gears on this machine are all cut.

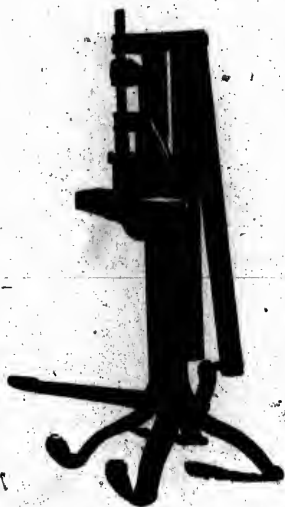
For most purposes we recommend the No. 2 machine, as it is less complicated.

Complete with Augers. One each  $1\frac{1}{4}$ ,  $1\frac{1}{2}$ , and 2 inch.

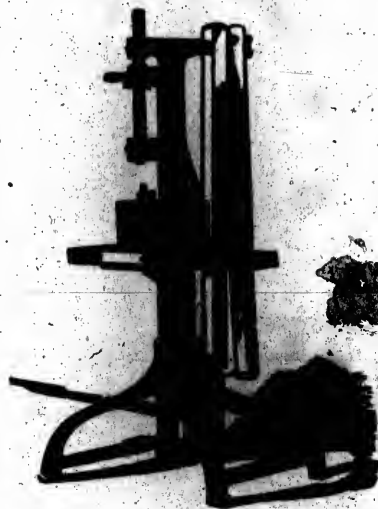
No. 1, Automatic Boring Machine,  
No. 2, Hand Shifting Boring Machine,

each, \$17 50  
each, 12 00

## MORTISING MACHINES



No. 1.



No. 2.

IRON FRAME, WOOD SPRINGS, WOOD TABLE.

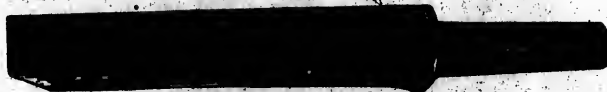
Complete with chisels  $\frac{1}{8}$ ,  $\frac{1}{2}$  and  $\frac{3}{8}$ -inch. Chisels lipped to draw chips from mortise.

No. 1, height, 4 ft. 5 in.,  
No. 2, height, 4 ft. 6 in.,

each, \$18 00  
each, 20 00

Floor space occupied: No. 1, 21  $\frac{1}{2}$  x 20 inches; No. 2, 28 x 22 inches.

## MORTISING MACHINE CHISELS.

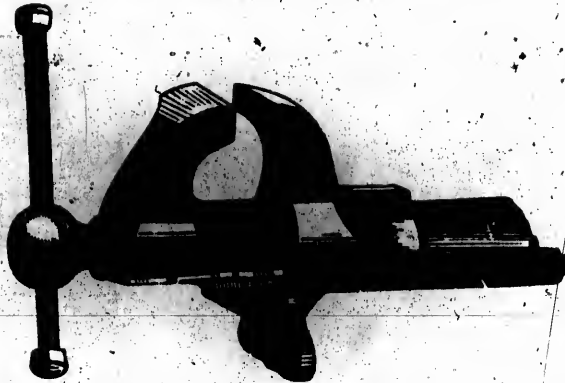


CAST STEEL, POLISHED.

Any size to order,

each, \$1 00

## PARALLEL VICES.



OVAL SLIDE. . . STEEL FACED JAWS.

PAINTED AND STRIPED.

	Width of Jaws.	Jaws Open.	Weight.	Each.
No. 1,	2 1/2 inches,	5 1/2 inches,	13 lbs.,	\$3 33
No. 2,	3 inches,	5 3/4 inches,	20 lbs.,	4 33
No. 3,	4 inches,	6 1/2 inches,	25 lbs.,	5 33
No. 4,	4 3/4 inches,	7 1/2 inches,	37 1/2 lbs.,	7 00



	Width of Jaws.	Jaws Open.	Weight.	Each.
No. 5,	3 inches,	6 1/2 inches,	30 lbs.	\$8 00

STEEL FACED JAWS. PAINTED AND STRIPED.

Small Anvil at back of Sliding Jaw. Wrought Iron Bolt at bottom with nut to fasten to Bench.

The James Smart Manufacturing Co., Brockville, Ont.

## PARALLEL VICES.

PRENTISS' PATENT.



No. 6.  
SWIVEL JAW.



No. 7.  
SWIVEL JAW, SWIVELBASE.

The Back Jaw of these Vices adapts itself instantly to the angle of any article held in it. No. 7 has swivel base, permitting the Vice to be worked at any angle on bench.

### STEEL FACED JAWS. PAINTED AND STRIPED.

	Width of Jaw	Jaws Open	Weight	Each
No. 6,	3 3/4 inches,	9 inches,	46 lbs.,	\$10 00
No. 7,	3 3/4 inches,	9 inches,	50 lbs.,	12 00

## COMBINED ANVIL AND VICE.



### STEEL FACED JAWS. PAINTED.

Length 19 inches, width 3 3/4 inches, depth 6 1/2 inches. Jaws  
3 3/4 inches wide ; open 4 1/2 inches.

Weight, 52 lbs.

Each,

\$5 00



The James Smart Manufacturing Co., Brockville, Ont.

## COACH MAKERS' VICES.

FOR USE OF ALL WOODWORKERS.



PAINTED AND STRIPED.

No. 8.

Stationary Jaw, Stationary Base, as per cut. Jaws, 4 inches wide. Open 8 inches. Weight, 50 lbs.

Each,

\$10 00

No. 9.

Swivel Jaw (see cut of No. 6.) Stationary Base. Jaws, 3 1/4 inches wide. Open 9 inches. Weight, 50 lbs.

Each,

\$11 00

No. 10.

Swivel Jaw, Swivel Base (see cut of No. 7.) Jaws, 3 1/4 inches wide. Open, 7 1/2 inches. Weight, 56 lbs.

Each,

\$13 00



## SAW FILERS' VICES.

JAPANNED.

9 inches wide. To fasten with screws.

Per dozen,

\$9 00

One-sixth-dozen in package.

The James Smart Manufacturing Co., Brockville, Ont.

## BLACKSMITH'S TUYERE IRONS.



No. 0. In one piece.

Weight, 16 lbs. Length, 10 inches.

Each,

\$1.50



No. 1. In one piece.

Weight, 24 lbs. Length, 10 inches.

Each,

\$2.00



No. 2.

### GROW'S NEST PATTERN.

In three pieces.

15 inches long. Diameter of circular portion, 7 inches. 3-inch hole. Weight, 19 lbs.

Each,

\$2.00

## BRACE DRILLS.



Frame, 16 inches long. Complete with three Drills (1-4, 5-16 and 7-16 in.)

PAINTED AND STRIPED.

Each,

\$2.00

One in package.

The James Smart Manufacturing Co., Brockville, Ont.

## BLACKSMITHS' DRILLS.

HORIZONTAL.



No. 1.

PAINTED AND STRIRED.

Length of Bed, 30 inches. Socket for  $\frac{1}{2}$ -inch round drill shank.

Weight, 30 lbs.

Each,

\$5 00



No. 2.

PAINTED AND STRIPED.

Length of Bed, 26 inches. Socket for  $\frac{1}{2}$ -inch round drill shank. Wrought Iron Extension Crank.  
Eccentric Adjusting Pawl on Tail Block, permitting closer work than on No. 1.

Weight, 45 lbs.

Each,

\$6 50

The James Smart Manufacturing Co., Brockville, Ont.

# BLACKSMITHS' DRILLS.

HORIZONTAL.



No. 3.

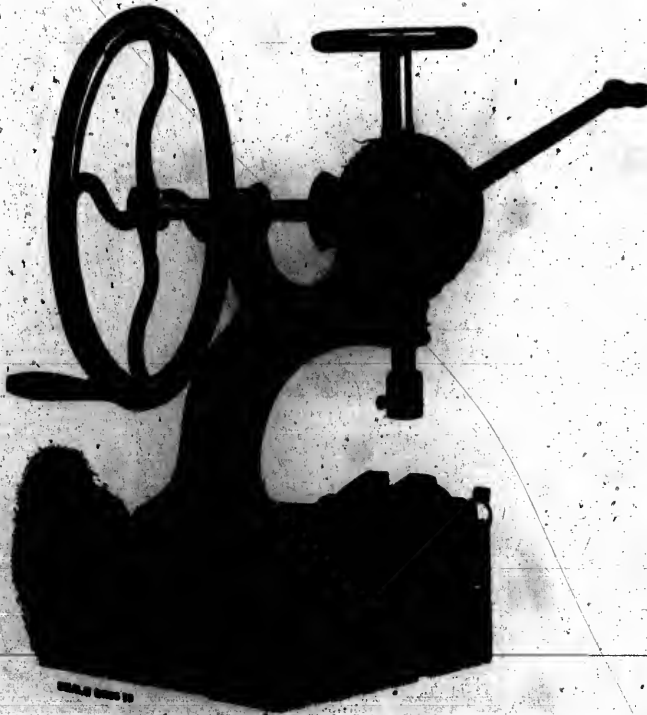
PAINTED AND STRIPED.

Length of Bed, 26 inches. Socket for  $\frac{1}{2}$ -inch round drill shank. Wrought Iron Extension Crank. Self-feeding gear. Weight, 47  $\frac{1}{2}$  lbs.

Each,

\$8 00

UPRIGHT



COE'S PATENT. HAND FEED.

With Vice Chuck.

Mounted on Wooden Stand.

PAINTED AND STRIPED.

No. 4.

Height, including stand, . . . 28 in.  
 Gap, . . . . . 7 in.  
 Diameter of Balance Wheel, . . . 19 in.  
 Diameter of Feed Wheel, . . . 6  $\frac{1}{4}$  in.  
 Diameter of Spindle, . . . . . 1  $\frac{1}{4}$  in.

Socket for  $\frac{1}{2}$ -inch round drill shank.

Weight, 106 lbs.

Each, . . . . . \$28 00

No. 5.

Height, including stand, . . . 34 in.  
 Gap, . . . . . 8  $\frac{1}{2}$  in.  
 Diameter of Balance Wheel, . . . 24 in.  
 Diameter of Feed Wheel, . . . 10 in.  
 Diameter of Spindle, . . . . . 2 in.

Socket for  $\frac{1}{2}$ -inch round drill shank.

Weight, 137 lbs.

Each, . . . . . \$32 00

# BLACKSMITHS' DRILLS.

UPRIGHT.



No. 6.  
**THE BOSS.**



No. 7.  
**EXTRA LARGE.**

PAINTED AND STRIPED.

No. 6.

Length of Bed,	34 inches
Diameter of Balance Wheel,	15 inches
Diameter of Feed Wheel,	7 inches
Diameter of Spindle,	1 1/2 inches

Socket for 1/2-inch Round Drill Shank. Geared for three speeds. Wrought Iron Extension Crank. Drills holes 1/4 to 3/8-inch. Weight, 96 lbs.

**SELF FEEDING.**

For hand, each, \$27 00

No. 7.

Mounted on hardwood board.

Total height,	54 inches
Diameter of Balance Wheel,	14 inches
Diameter of Feed Wheel,	7 1/2 inches
Diameter of Spindle,	1 1/2 inches

Socket for 1/2-inch Round Drill Shank. Wrought Iron Extension Crank. Drills holes 1/4 to 1 inch. Weight, 187 lbs.

**SELF FEEDING.**

For hand,	each, \$50 00
For power,	each, 56 00

FEED.

PED.

28 in.  
7 in.  
19 in.  
6 1/2 in.  
1 1/2 in.

shank.

\$28 00

34 in.  
8 1/2 in.  
24 in.  
10 in.  
2 in.

shank.

\$32 00

The James Smart Manufacturing Co., Brockville, Ont.

## TIRE BENDERS.



FIG. 2.

Will bend Tires up to 5½ inches wide and ¼-inch thick. Weight, 75 lbs.

**PAINTED BLACK.**

Each,

\$12 00



No. 3

Will bend Tires up to 3½ inches wide, and ¼ inch thick.

Weight, 82 lbs.

Each,

\$13 00

No. 4

Will bend Tires up to 5 inches wide and any thickness.

Weight, 120 lbs.

Each,

\$17 00

No. 3 and 4.

The James Smart Manufacturing Co., Brockville, Ont.

## TIRE UPSETTERS AND WELDERS.



**THE AUTOMATIC.**  
With Wood Lever.  
**PAINTED BLACK.**  
No. 1.

Upsets Tires up to three inches wide and  $\frac{1}{4}$  inch thick.  
Weight, 75 lbs.

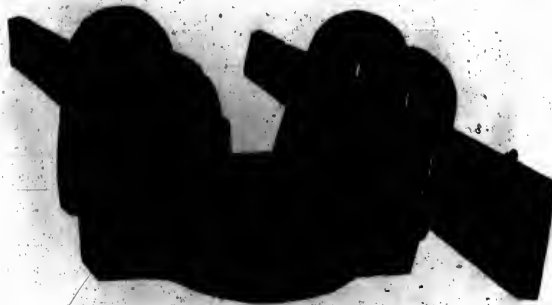
Each,

\$10 00

**No. 2.**  
Upsets Tires up to 4 inches wide, and  $\frac{1}{4}$  inch thick.  
Weight, 90 lbs.

Each,

\$12 00



**THE EUREKA.**  
**PAINTED BLACK.**  
No. 3.

Upsets Tires up to 3 inches wide and  $\frac{1}{4}$  inch thick.  
Weight, 83 lbs.

Each,

\$10 00

The James Smart Manufacturing Co., Brockville, Ont.

---

## IRON CUTTERS.



With Wrought Iron Lever and Spring Gauge.

**PAINTED BLACK.**

**No. 2.**

To cut iron up to  $\frac{3}{4}$  inch round.

Weight, 39 lbs.

Each,

\$12 00

**No. 4.**

To cut iron up to 1  $\frac{1}{4}$  inch round.

Weight, 128 lbs.

Each,

\$20 00



The James Smart Manufacturing Co., Brookville, Ont.

# JACKSCREWS.

Stands, Cast Iron. Screws, Wrought Iron. Square Threads.

CUT FROM BEST REFINED IRON, SPECIALLY IMPORTED.



Nos. 15, 16, 17, 18, 19, 20, 21.

Medium weight.

BELL BOTTOM. CAST HANDLE ON SIDE OF STAND.

**NEWEST DESIGN.**

In the larger sizes, the Caps are strengthened by wrought iron bands.

**PAINTED AND STRIPED.**

	Diameter of Screw.	Height of Stand and Length of Screw.	Height over all when Screwed down.	Weight.	Each.
No. 15,	1 1/2 inches,	8 inches,	12 inches,	15 1/2 lbs.,	\$ 3 75
No. 16,	1 3/4 inches,	8 inches,	12 inches,	19 lbs.,	4 25
No. 17,	1 3/4 inches,	12 inches,	16 inches,	23 lbs.,	5 00
No. 18,	2 inches,	12 inches,	18 inches,	38 lbs.,	7 25
No. 19,	2 inches,	16 inches,	21 inches,	46 lbs.,	8 25
No. 20,	2 1/2 inches,	16 inches,	21 inches,	63 lbs.,	11 00
No. 21,	3 1/2 inches,	20 inches,	26 inches,	75 lbs.,	13 00

Ratchet Levers furnished with any of above to order.

# JACK SCREWS.

Stands, Cast Iron. Screws, Wrought Iron. Square Threads.

CUT FROM BEST REFINED IRON, SPECIALLY IMPORTED.

PAINTED AND STRIPED.

Nos. 1 and 2.

Original pattern, with Cast Handle on Stand.

	Diameter of Screw.	Height of Stand and Length of Screw.	Height over all when Screwed down.	Weight.	Each.
No. 1,	2 inches,	13 inches,	19 inches,	54 lbs.,	\$ 8 00
No. 2,	2½ inches,	15 inches,	21½ inches,	72 lbs.,	11 00



Nos. 1 and 2.

Nos. 3, 4, 5 and 6.

Wide Bell Bottom, with wrought handles bolted on side of Stand.

No. 3 and 4, one handle. Nos. 5 and 6, two handles.

	Diameter of Screw.	Height of Stand and Length of Screw.	Height over all when Screwed down.	Weight.	Each.
No. 3,	1½ inches,	9½ inches,	14 inches,	27 lbs.,	\$ 3 50
No. 4,	2 inches,	13½ inches,	19 inches,	61 lbs.,	8 50
No. 5,	2½ inches,	15 inches,	21½ inches,	79 lbs.,	12 00
No. 6,	3 inches,	17 inches,	23 inches,	106 lbs.,	20 00



Nos. 3 to 6.

PAINTED AND STRIPED.

Nos. 6½, 7, 8, 9 and 10.

Bottle pattern with Cast Handle on side of Stand.

No. 10 has two handles.

	Diam. of Screw.	Height of Stand and Length of Screw.	Height over all when Screwed down.	Weight.	Each.
No. 6½,	1½ in.,	10 in.,	14½ in.,	25 lbs.,	\$ 4 00
No. 7,	2 in.,	14 in.,	18½ in.,	29 lbs.,	5 00
No. 8,	2½ in.,	16 in.,	21 in.,	42 lbs.,	6 50
No. 9,	2 in.,	19 in.,	23½ in.,	60 lbs.,	9 50
No. 10,	2½ in.,	19 in.,	26 in.,	84 lbs.,	13 00



Nos. 11 and 12.

Nos. 11 and 12.

BEST. SUPERIOR FINISH.

Extra heavy Brass Nuts. Movable Heads. Specially easy to work.

	Diam. of Screw.	Height of Stand and Length of Screw.	Height over all when Screwed down.	Weight.	Each.
No. 11,	2 in.,	14 in.,	20 in.,	53 lbs.,	\$ 15 00
No. 12,	2½ in.,	16 in.,	22½ in.,	85 lbs.,	17 50

Ratchet Levers furnished with any of above to order.



Nos. 6½ to 10.

The James Smart Manufacturing Co., Brookville, Ont.

# RAILWAY TRAVERSING JACKS.

WITH RATCHET.



Nos. 1 and 2.

VERY FINEST QUALITY.

EXTRA LARGE AND POWERFUL.

Complete with Wrought Iron Lever.

Cap, Ratchet, and Bottom, of Malleable Cast Steel. Screws, Square Threads, double,  
cut  $1\frac{1}{2}$  to the inch. Nuts, Cast Brass.

Fully guaranteed.

PAINTED AND STRIPED.

No. 1.

Bottom, 23 inches. Height over all when screwed down, 44 inches. Length of Lifting Screw, 12 inches. Diameter,  $2\frac{1}{2}$  inches. Length of Traversing Screw, 18 inches. Diameter of Traversing Screw,  $1\frac{1}{2}$  inches. Travels 13 inches.

Weight, 143 lbs.

Each,

\$100 00

No. 2.

Bottom, 30 inches. Height over all when screwed down, 27 inches. Length of Lifting Screw, 16 inches. Diameter,  $3\frac{1}{2}$  inches. Length of Traversing Screw, 24 inches. Diameter of Traversing Screw, 2 inches. Travels 16 inches.

Weight, 233 lbs.

Each,

\$120 00

The James Smart Manufacturing Co., Brackville, Ont.

## WAREHOUSE TRUCKS.



Made of best seasoned oak, strongly ironed, steam bent handles.

WOODS VARNISHED. IRON WORK JAPANED.

### HALF IRONED AS PER CUT.

	Length.	Width.	Diameter of Wheel.	Each.
No. 1,	4 ft. 6 in.,	19 inches,	7 inches,	\$6 00
No. 2,	4 ft. 10 in.,	20 inches,	8½ inches,	7 00
No. 3,	4 ft. 10 in.,	22 inches,	9½ inches,	9 00

### FULL IRONED.

	Length.	Width.	Diameter of Wheel.	Each.
No. 1,	4 ft. 6 in.,	19 inches,	7 inches,	\$ 8 00
No. 2,	4 ft. 10 in.,	20 inches,	8½ inches,	9 00
No. 3,	4 ft. 10 in.,	22 inches,	9½ inches,	12 00
No. 4,	5 ft. 7 in.,	22½ inches,	11 inches,	14 00

Barrel Trucks, with curved iron cross bars, made to order.

The James Smart Manufacturing Co., Brookville, Ont.

## RAILWAY BAGGAGE TRUCKS.



No. 1.

8 feet, 8 inches long; 2 feet wide. Two wheels.



No. 2.

10 feet long. 2 feet, 4 inches wide. Height of end pieces, 3 feet. Three wheels.

ASH WOODS, VARNISHED: IRON WORK, JAPANNED,

No. 1,  
No. 2,

each, \$33 50  
h, 50 00

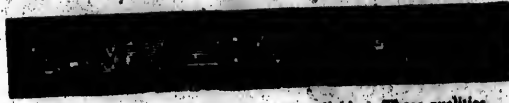
## RAILWAY HAND CARS.



Pumpers, Crank, or Push Cars made to order. Standard quality. At close prices.

The James Smart Manufacturing Co., Brockville, Ont.

## ANTI-FRICTION BABBIT METAL.



A Standard Composition. Thoroughly reliable. Three qualities.

No. 1, 3 lbs. in bar.  
No. 2, 3 lbs. in bar.  
No. 3, 3 lbs. in bar.

per lb., \$0 30  
per lb., 0 25  
per lb., 0 20

## HORSE WEIGHTS.



Two sizes, 15 and 20 lbs.

PAINTED BLACK.

Per lb.,

\$0 05

## BOLSTER PLATES.



5 1/2 inches broad.

Two lengths: 10-inch, weighing 10 lbs. per pair; 12-inch, weighing 12 lbs. per pair.

Per lb.,

\$0 05

The James Smart Manufacturing Co., Brockville, Ont.

## CART BOXES.



Four in set. Two large. Two small.

Trade Size.	Inside Diameter of Large Box.	Inside Diameter of Small Box.
2½ in.,	2¾ in.,	1½ in.,
3 in.,	3 in.,	1¾ in.,
3½ in.,	3½ in.,	2 in.,
3¾ in.,	3¾ in.,	2¼ in.,
4 in.,	4 in.,	2½ in.,
4½ in.,	4½ in.,	2¾ in.,

Per lb.,

\$0 04

## SEAMLESS WAGON SKEINS.



Four in set.

Trade Size.	Diam. of Shell at Large End.	Length of Shell from Underneath.	Weight.	Per Set.
2½ in.,	2½ in.,	7½ in.,	38 lbs.,	\$2 75
2¾ in.,	2¾ in.,	8 in.,	48 lbs.,	3 00
3 in.,	3 in.,	9½ in.,	62 lbs.,	3 50
3½ in.,	3½ in.,	10½ in.,	82 lbs.,	4 75
3¾ in.,	3¾ in.,	11 in.,	91 lbs.,	5 00
4 in.,	4 in.,	12 in.,	101 lbs.,	5 15
4½ in.,	4½ in.,	12 in.,	102 lbs.,	5 30
4 in.,	4 in.,	12 in.,	116 lbs.,	6 00
4½ in.,	4½ in.,	12 in.,	126 lbs.,	7 00

SHELLS ONLY,

Per lb.,

\$0 05

NUTS ONLY,

Per set,

\$0 50

The James Smart Manufacturing Co. Brantford, Ont.

# SKELETON WHIP SOCKETS.



FULL SIZE CUT. No. 1

FULL SIZE CUT. No. 2

JAPANNED.

No. 1, for Wood Dash,  
No. 2, for Leather Dash,

per dozen, \$1 00  
per dozen, 2 00

dozen in box.



The James Smart Manufacturing Co., Brockville, Ont.

## SELF-ADJUSTABLE WHIP SOCKETS.



THREE-QUARTER SIZE CUT.

STAMPED FROM BEST CHARCOAL SHEET IRON.

No. 3, Japanned, for Leather Dash,

per dozen, \$5 00

One dozen in box.

## BREAST STRAP SLIDES.

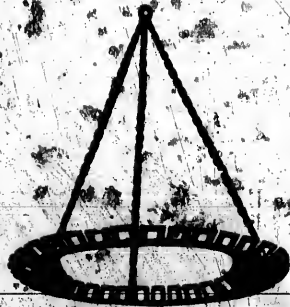
JAPANNED.

Per dozen,	1 1/4 in.	1 1/2 in.	1 3/4 in.	2 in.
	\$0 60	\$0 60	\$0 60	\$0 90

One dozen in package.



HALF SIZE CUT.  
1 1/4 inch Breast Strap Slide.



WHIP RACKS.

## WHIP RACKS.

JAPANNED.

No. 1, Straight, 6 inches long,	per dozen, \$3 00
One dozen in package.	
No. 2, Circular, 17 inches diameter, no chains,	per dozen, 8 00
Half-dozen in package.	
No. 3, Circular, 17 inches diameter, with chains,	per dozen, 12 00
Half-dozen in package.	

# SPRING BAR BOLTS.

**SQUARE NECKS.**



**ACORN HEADS.**



**STEEPLE HEADS.**



**CONE HEADS.**

FULL SIZE CUTS.

**BRASS HEADS. SILVER PLATED.**

Acorn, Steeple, or Cone.

$2\frac{1}{2} \times \frac{1}{4}$ ,  $2\frac{3}{4} \times \frac{1}{4}$ ,  $2\frac{1}{2} \times 5-16$ , or  $2\frac{3}{4} \times 5-16$  inches.

Per dozen,

\$1 60

**IRON HEADS. NICKEL PLATED.**

Steeple or Cone.

$2\frac{1}{2} \times \frac{1}{4}$ ,  $2\frac{3}{4} \times \frac{1}{4}$ ,  $2\frac{1}{2} \times 5-16$ , or  $2\frac{3}{4} \times 5-16$  inches.

Per dozen,

\$1 20

Length measured from under head to tip.

Two dozen in box.

The James Smart Manufacturing Co., Brockville, Ont.

## PLAIN SHAFT SOCKETS.



1 1/4 inches long.

BURNISHED. BRASS OR SILVER PLATED.

Diameter,	1/4 in.	3/8 in.	1 in.	1 1/4 in.	1 1/2 in.
Per dozen pairs,	\$2 55	\$2 70	\$3 00	\$3 50	\$4 00

One dozen pairs in box.

## BALL SHAFT SOCKETS.



1 1/4 inches long.

BURNISHED. BRASS OR SILVER PLATED.

Diameter,	1/4 in.	3/8 in.	1 in.	1 1/4 in.	1 1/2 in.
Per dozen pairs,	\$3 25	\$3 50	\$3 85	\$4 40	\$5 00

One dozen pairs in box.

Diameters measured at large end inside. Lengths measured from tip to tip.

## PLAIN POLE SOCKETS.



2 1/4 inches long.

BURNISHED. BRASS OR SILVER PLATED.

HEAVY.

Diameter, Per dozen.	1 1/4 in.	1 1/2 in.	1 3/4 in.	2 in.
	\$4 50	\$5 00	\$5 50	\$6 00

One dozen in box.

## BALL POLE SOCKETS.



3 1/4 inches long.

BURNISHED. BRASS OR SILVER PLATED.

HEAVY.

Diameter, Per dozen.	1 1/4 in.	1 1/2 in.	1 3/4 in.	2 in.
	\$5 50	\$6 25	\$7 00	\$8 00

One dozen in box.

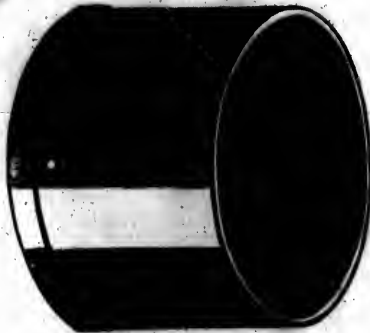
Diameters measured at large end inside. Lengths measured from tip to tip.

# CARRIAGE BANDS.

CINCINNATI RIM.

BURNISHED.

BRASS OR SILVER PLATED.



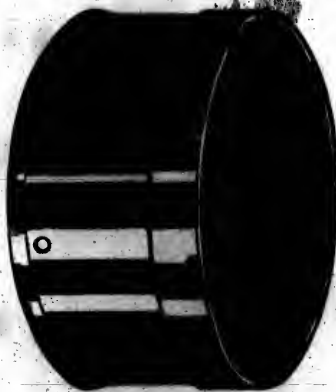
Diameter (inside.)	Per set.	Diameter (inside.)	Per set.
2 1/4 in.	\$2 10	3 1/4 in.	\$2 60
2 3/8 in.	2 10	3 3/8 in.	2 75
2 3/4 in.	2 10	3 3/4 in.	2 90
2 7/8 in.	2 10	3 7/8 in.	4 65
2 3/4 in.	2 15	3 3/4 in.	5 05
2 3/4 in.	2 20	3 7/8 in.	5 45
2 7/8 in.	2 25	4 in.	6 90
3 in.	2 30	4 1/4 in.	7 70
3 1/4 in.	2 45		

2 3/4 to 3 1/4 in. (inclusive), 1 1/2 in. deep 1 3/4 to 3 3/4 in., 2 in. deep 1 4 and 4 1/4 in., 2 1/4 in. deep.

NEW YORK RIM.

1 1/2 INCHES DEEP. BURNISHED.

BRASS OR SILVER PLATED.



Diameter (inside.)	Per set.	Diameter (inside.)	Per set.
2 1/4 in.	\$1 65	3 1/4 in.	\$2 05
2 3/8 in.	1 65	3 3/8 in.	2 15
2 3/4 in.	1 65	3 3/4 in.	2 25
2 7/8 in.	1 70	3 7/8 in.	2 50
2 3/4 in.	1 75	3 3/4 in.	2 75
2 7/8 in.	1 80	3 7/8 in.	3 00
3 in.	1 85	4 in.	3 25
3 1/4 in.	1 95	4 1/4 in.	3 75

Four in set. One set in package.

The James Smart Manufacturing Co., Brockville, Ont.

# CARRIAGE BANDS.

## VICTORIA RIM.

Raised part only burnished. Hollow left dull for paint.



### BRASS OR SILVER PLATED.

Diameter (inside.)	Per set.	Diameter (inside.)	Per set.
2 3/8 in.,	\$2 10	3 1/8 in.,	\$2 60
2 1/2 in.,	2 10	3 3/8 in.,	2 75
2 5/8 in.,	2 10	3 5/8 in.,	2 90
2 3/4 in.,	2 10	3 7/8 in.,	4 65
2 7/8 in.,	2 15	3 7/8 in.,	5 05
2 3/4 in.,	2 20	3 7/8 in.,	5 45
2 3/4 in.,	2 25	4 in.,	6 90
3 in.,	2 30	4 1/8 in.,	7 70
3 1/8 in.,	2 45		

2 3/8 to 3 3/8 in. (inclusive), 1 1/8 in. deep; 3 3/8 to 3 7/8 in., 2 in. deep; 4 and 4 1/8 in., 2 1/2 in. deep.

## BELL FRONT RIM.

BURNISHED.



### BRASS OR SILVER PLATED.

Diameter (inside.)	Per set.	Diameter (inside.)	Per set.
2 3/8 in.,	\$2 30	3 1/8 in.,	\$2 80
2 1/2 in.,	2 30	3 3/8 in.,	2 90
2 5/8 in.,	2 40	3 5/8 in.,	3 00
2 3/4 in.,	2 50	3 7/8 in.,	3 10
2 7/8 in.,	2 60	3 7/8 in.,	3 30
3 in.,	2 70		

2 3/8 to 2 7/8 in. (inclusive), 1 1/8 in. deep; 3 to 3 7/8 in. (inclusive), 1 1/8 in. deep; 3 3/8 and 3 7/8 in., 1 1/8 in. deep.

Four in set. One set in package.

# CARRIAGE BANDS.

CENTRAL PARK.

1 1/4 INCHES DEEP. BURNISHED.



BRASS OR SILVER PLATED.

Diameter (inside.)	Per set.	Diameter (inside.)	Per set.
2 3/4 in.	\$2 30	3 1/4 in.	\$2 90
2 3/4 in.	2 30	3 3/8 in.	3 00
2 3/4 in.	2 40	3 1/2 in.	3 10
2 3/4 in.	2 50	3 5/8 in.	3 35
2 7/8 in.	2 60	3 3/4 in.	3 60
3 in.	2 70	3 7/8 in.	3 85
3 1/4 in.	2 80	4 in.	4 10

BELL FRONT CENTRAL PARK.

1 1/4 INCHES DEEP. BURNISHED.



BRASS OR SILVER PLATED.

Diameter (inside.)	Per set.	Diameter (inside.)	Per set.
2 3/4 in.	\$3 50	3 1/4 in.	\$4 00
2 3/4 in.	3 50	3 1/2 in.	4 10
2 3/4 in.	3 70	3 3/4 in.	4 20
2 7/8 in.	3 80	3 1/2 in.	4 30
3 in.	3 90	3 3/4 in.	4 50

Four in set. One set in package.

The James Smart Manufacturing Co., Brookville, Ont.

# CARRIAGE BANDS.

**BOSTON OPEN.**

**1 1/4 INCHES DEEP. BURNISHED.**



**BRASS OR SILVER PLATED.**

Diameter (inside.)	Per set.	Diameter (inside.)	Per set.
2 1/2 in.	\$1 35	3 1/2 in.	\$1 95
2 3/4 in.	1 45	3 3/4 in.	2 20
3 in.	1 55	3 1/2 in.	2 45
3 1/4 in.	1 65	4 in.	2 95
3 1/2 in.	1 75	4 1/4 in.	3 60
3 3/4 in.	1 85	4 1/2 in.	3 95

**PHILADELPHIA OPEN.**

**BURNISHED.**



**BRASS OR SILVER PLATED.**

Diameter (inside.)	Per set.	Diameter (inside.)	Per set.
2 1/2 in.	\$1 45	3 1/2 in.	\$2 30
2 3/4 in.	1 55	3 3/4 in.	2 55
3 in.	1 65	4 in.	3 05
3 1/4 in.	1 75	4 1/4 in.	3 30
3 1/2 in.	1 85	4 1/2 in.	3 55
3 3/4 in.	1 95	4 3/4 in.	4 05
3 1/2 in.	2 05		

2 1/2 and 2 3/4 in., 1 1/4 in. deep; 3 to 4 1/4 in., 1 1/2 in. deep;  
4 1/2 in., 1 3/4 in. deep.

Four in set. One set in package.



The James Smart Manufacturing Co., Brockville, Ont.

# CARRIAGE BANDS

**BREWSTER SCREW.**

BURNISHED. WITH SCREW CAP.

Wrench with each set.



Diameter (inside.)	Per set.	Diameter (inside.)	Per set.
2 1/4 in.,	\$4 00	3 1/2 in.,	\$4 60
2 3/4 in.,	4 00	3 3/4 in.,	4 80
2 3/4 in.,	4 00	3 3/8 in.,	5 20
2 3/4 in.,	4 00	3 3/4 in.,	5 40
2 3/4 in.,	4 00	3 7/8 in.,	5 60
2 3/4 in.,	4 00	4 in.,	5 80
2 3/4 in.,	4 00	4 1/8 in.,	6 00
3 in.,	4 00	4 1/4 in.,	6 20
3 1/4 in.,	4 20	4 3/8 in.,	6 40
3 1/2 in.,	4 40	4 1/2 in.,	6 60

Per set.  
\$1 95  
2 20  
2 45  
2 95  
3 60  
3 95

# PHILADELPHIA SCREW.

BURNISHED. WITH SCREW CAP.

Wrench with each set.



BRASS OR SILVER PLATED.

Diameter (inside.)	Per set.	Diameter (inside.)	Per set.
2 3/4 in.,	\$4 00	3 1/2 in.,	\$4 80
2 3/4 in.,	4 00	3 3/8 in.,	5 00
3 in.,	4 00	3 3/4 in.,	5 20
3 1/4 in.,	4 20	3 7/8 in.,	5 40
3 1/2 in.,	4 40	4 in.,	5 60
3 3/4 in.,	4 60	4 1/4 in.,	6 40

Per set.  
\$2 30  
2 55  
3 05  
3 30  
3 55  
4 05

Four in set. One set in package.

The James Smart Manufacturing Co., Brockville, Ont.

## SPIKE PAPER FILES.



No. 6.



No. 3.



No. 4.



No. 5.

HALF-SIZE CUTS.

### BERLIN BRONZED. TINNED WIRES.

No. 6, 4 in. Wires,  
No. 3, 7 in. Wires,  
No. 4, 7 in. Wires,  
No. 5, 7 in. Wires,

per dozen, \$1.20  
per dozen, 1.60  
per dozen, 1.75  
per dozen, 1.75

Half dozen in package.

## HOOK PAPER FILES.



No. 0.



No. 1.



No. 2.

HALF-SIZE CUTS.

### TINNED WIRES.

No. 0, Japanned,  $6\frac{1}{2}$  in. Wires,  
No. 1, Berlin Bronzed,  $6\frac{1}{2}$  in. Wires,  
No. 2, Berlin Bronzed,  $6\frac{1}{2}$  in. Wires,

per dozen, \$1 60  
per dozen, 1 75  
per dozen, 1 75

One dozen in box.

# PAPER CLIPS.



FULL SIZE CUT. No. 1.  
Style of Nos. 1, 2 and 3.

**BERLIN BRONZED.**

- No. 1,  $2\frac{3}{8} \times 1\frac{3}{8}$  inches,
- No. 2,  $3\frac{3}{8} \times 2\frac{3}{8}$  inches,
- No. 3,  $4 \times 2\frac{3}{8}$  inches,

per dozen, \$1 60  
per dozen, 2 00  
per dozen, 2 00

One dozen in box.



FULL SIZE CUT. No. 0.

**BERLIN BRONZED.**

- No. 0,  $3\frac{1}{4} \times 1\frac{3}{4}$  inches,

per dozen, \$2 00

One dozen in box.



HALF SIZE CUT. No. 4.

**BERLIN BRONZED.**

- No. 4,  $4\frac{1}{8} \times 3$  inches,

per dozen, \$2 40

One dozen in box.

The James Smart Manufacturing Co., Brockville, Ont.

# PAPER WEIGHTS.



TWO-THIRD SIZE CUT. No. 50.



TWO-THIRD SIZE CUT. No. 70.



STYLE OF Nos. 55 and 56. HALF SIZE CUT. No. 56.



HALF SIZE CUT. No. 60.

No. 50, Berlin Bronzed, with Brass Knob,	per dozen, \$4 00
Half-dozen in box.	
No. 70, Berlin Bronzed,	per dozen, 3 00
Half-dozen in box.	
No. 55, Berlin Bronzed, $4\frac{1}{4} \times 2$ inches,	per dozen, 2 75
One dozen in package.	
No. 56, Berlin Bronzed, $6\frac{1}{4} \times 2$ inches,	per dozen, 2 75
Half-dozen in package.	
No. 60, Berlin Bronzed,	per dozen, 5 00
Quarter dozen in package.	

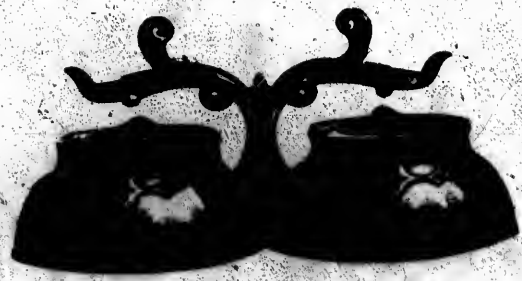
INK STANDS.



No. 1. Two-Thirds Size Cut.



No. 4. Two-Thirds Size Cut.



No. 7. HALF SIZE CUT.



No. 5. HALF SIZE CUT.

BERLIN BRONZED.

Complete with Glass Ink Wells.

No. 1,

Half-dozen in box.

per dozen, \$4 00

No. 2, with Pen Rack,

Half-dozen in box.

per dozen, 4 00

No. 7, Double, with Pen Rack.

One-sixth dozen in box.

per dozen, 8 00

No. 5, Single, with Pen Rack.

Half-dozen in box.

per dozen, 4 00

## PEN RACKS.



TWO-THIRDS SIZE CUT. No. 1.

NO. 1.

BERLIN BRONZED.

Per dozen, . . . . . \$2 00

One dozen in box.



HALF SIZE CUT. No. 3.

NO. 3.

BERLIN BRONZED.

Per dozen, . . . . . \$2 66

Half-dozen in box.



HALF SIZE CUT. No. 4.

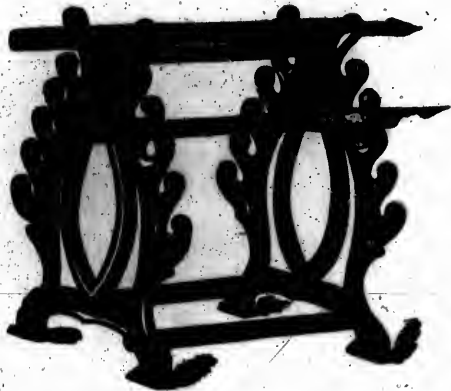
NO. 4.

BERLIN BRONZED.

Per dozen, . . . . . \$3 00

Half-dozen in box.

# PEN RACKS.



HALF SIZE CUT. No. 5.

NO. 5.

**BERLIN BRONZED.**

Per dozen, \$4 00

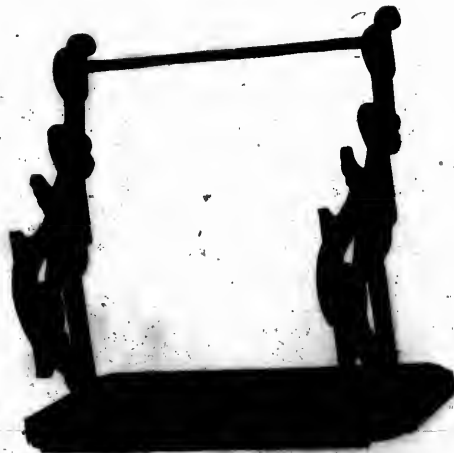
One-third dozen in box.

NO. 2.

**BERLIN BRONZED.**

Per dozen, \$3 34

Half-dozen in box.



HALF SIZE CUT. - No. 2.

# WATER BOWLS.

FOR COPYING BRUSHES.

**BERLIN BRONZED.**

Per dozen, \$4 00

One-sixth dozen in package.



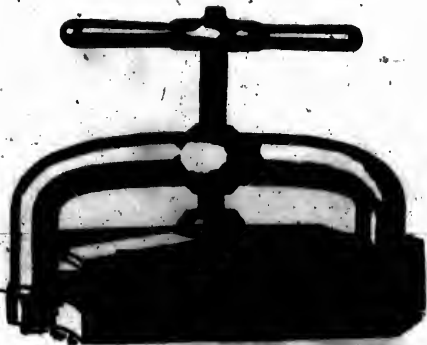
HALF SIZE CUT.



## COPYING PRESSES.

### SCOTCH PATTERN.

With Wheel, Ball Lever, or Bar, as per cut.



Nos. 4 and 5.

No. 4,	Platen, 9½ x 11¼ in.,	each, \$ 7 00
No. 5,	Platen, 10¼ x 13¼ in.,	each, 9 00
No. 4½,	Platen, 10½ x 15½ in.,	each, 11 00
No. 5½,	Platen, 12 x 18 in.,	each, 16 00

### PAINTED AND STRIPED.

Nos. 1 and 2.

With Ball Lever, Bar, or Wheel, as per cut.



Nos. 1 and 2.

No. 1,	Platen, 9½ x 13 in.,	each, \$8 00
No. 2,	Platen, 10 x 15 in.,	each, 9 50

### PAINTED AND STRIPED.

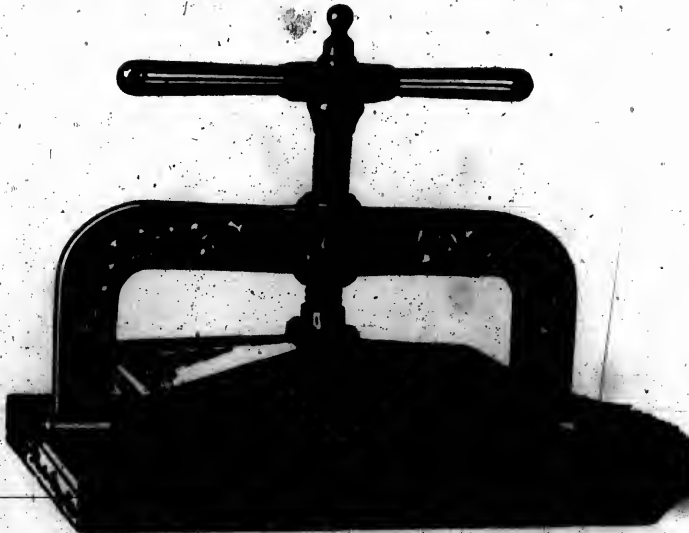
Purchaser's name in gold on any press  
25 cts. extra.

The James Smart Manufacturing Co., Brockville, Ont.

## COPYING PRESSES.



Nos. 11, 12, 11½, and 12½. WITH CONCAVE WHEEL.



Nos. 6, 7, and 8. NICKEL PLATED LEVER. POLISHED BRASS MOUNTINGS.

### Painted and Striped.

With painted uprights.

Each.  
No. 11, Platen, 9½ x 13 in., \$13 00

No. 12, Platen, 10 x 16 in., \$16 00

### Painted and Striped.

With brass uprights, Nickel Plated.

Each.  
No. 11½, Platen, 9½ x 13 in., \$15 00

No. 12½, platen, 10 x 16 in., \$18 00

### NEW YORK PATTERN.

Each.  
No. 6, Platen, 10 x 12½ in., \$13 00

No. 7, Platen, 10½ x 15½ in., \$16 00

No. 8, Platen, 10½ x 16½ in., \$21 25

### Painted and Striped.

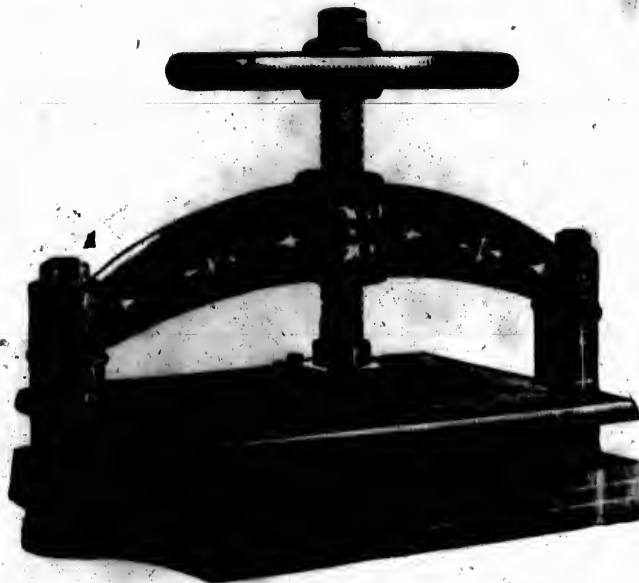
or Purchaser's name in gold  
on any press, extra.

The James Smart Manufacturing Co., Brockville, Ont.

## COPYING PRESSES

RAILWAY PATTERN.

For Way Bills, etc.



PAINTED AND STRIPED.

With Concave Wheel.

No. 9, Platen, 13 x 19 in.,	each, \$26 00
No. 10, Platen, 14 $\frac{1}{2}$ x 21 in.,	each, 29 00
No. 10 $\frac{1}{2}$ , Platen, 20 x 24 in.,	each, 32 00

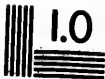
Purchaser's name in gold on any press, 95 cts. extra.





**MICROCOPY RESOLUTION TEST CHART**

(ANSI and ISO TEST CHART No. 2)



**APPLIED IMAGE Inc**

1653 East Main Street  
Rochester, New York 14609 USA  
(716) 482 - 0300 - Phone  
(716) 288 - 5989 - Fax

The James Smart Manufacturing Co., Brockville, Ont.

# IMPROVED PARAGON COMBINED SCHOOL DESKS AND SEATS.



Ash Woods, Polished and Varnished. Japanned Castings.  
Best Selected Woods, Superior Construction, and Extra Finish.

### SIX SIZES:

**NO. 6, PRIMARY.**  
For Pupils of 4 to 6 years.

Top of Desk,	21 1/4 in. high
Front of Seat,	11 in. high
Single Desk,	18 in. long
Double Desk,	36 in. long
Width of Top,	21 in.
Space occupied,	25 in.

**NO. 3, INTERMEDIATE.**  
For Pupils of 10 to 13 years.

Top of Desk,	26 1/4 in. high
Front of Seat,	14 3/4 in. high
Single Desk,	21 in. long
Double Desk,	42 in. long
Width of Top,	14 in.
Space occupied,	29 in.

**NO. 5, PRIMARY.**  
For Pupils of 5 to 8 years.

Top of Desk,	23 in. high
Front of Seat,	12 1/2 in. high
Single Desk,	18 in. long
Double Desk,	36 in. long
Width of Top,	12 in.
Space occupied,	26 in.

**NO. 2, GRAMMAR.**  
For Pupils of 12 to 15 years.

Top of Desk,	28 1/4 in. high
Front of Seat,	16 in. high
Single Desk,	24 in. long
Double Desk,	42 in. long
Width of Top,	15 in.
Space occupied,	31 in.

**NO. 4, INTERMEDIATE.**  
For Pupils of 8 to 11 years.

Top of Desk,	24 1/2 in. high
Front of Seat,	13 1/2 in. high
Single Desk,	21 in. long
Double Desk,	42 in. long
Width of Top,	13 in.
Space occupied,	28 in.

**NO. 1, HIGH SCHOOL.**  
For Pupils of 15 to 20 years.

Top of Desk,	30 in. high
Front of Seat,	17 1/2 in. high
Single Desk,	24 in. long
Double Desk,	42 in. long
Width of Top,	16 in.
Space occupied,	32 in.

Double Desk, complete as per cut. Set up or knocked down.

No.	6	5	4	3	2	1
Each,	\$4 70	\$4 70	\$4 87	\$5 06	\$5 25	\$5 43

Starting seats without desks \$0 93 each less.

Other woods, Walnut, Cherry, Maple, etc., at special figures. Single Desks, special figures.

### CASTINGS ONLY, JAPANNED AND DRILLED.

Per pair,	6	5	4	3	2	1
	\$1 56	\$1 56	\$1 75	\$1 94	\$2 12	\$2 31

The James Smart Manufacturing Co., Brockville, Ont.

## PARAGON SETTEES.



ASH WOODS. JAPANNEQ LEGS.

No.	6.	5.	4.	3.	2.	1.
Height to seat,	11 in.	12¼ in.	13½ in.	14¾ in.	16 in.	17¼ in.

Special prices per running foot.



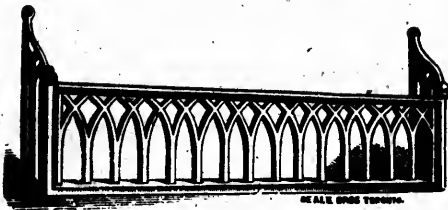
FULL SIZE CUT.

## SCHOOL INK WELLS.

JAPANNEQ COVERS.

Per dozen, \$1 50

One dozen in box.



8 in. long by 2½ in. wide.

## CHURCH BOOK RACKS.

GREEN AND GOLD.

Per dozen, \$6 00

One in package.



## PUMPS.

WE devote special attention to this branch of our business. Our pumps are made with the greatest possible care, from the very best materials, and of latest designs in every style, and we *guarantee every Pump* sent out to be *perfect working* and equal in every respect to best American makes. If found defective after being put in use, we will replace *free*, and pay all charges for transportation.

On following pages of our Catalogue we illustrate the various styles of pumps we supply. Detailed descriptions are given with each design, showing manner of construction, purposes for which used, capacity, etc.

For the benefit of those not familiar with Pumps, we offer in this connection a few general remarks on the subject.

The necessary parts of a Pump are the Cylinder, Plunger, Check Valve, and Suction or Connecting Pipe: and in order that a Pump may do its work properly, all these parts should be in perfect order. The Cylinder should be bored true, and should be air-tight; and the Plunger should fit it accurately, so that it will make a vacuum as nearly perfect as possible. For cold water the Bottom or Check Valve should be made of leather or rubber, or of a combination of these materials.

The Suction Pipe is the pipe reaching from the Cylinder to the water, and to have the pump work properly should be air tight. The Suction Pipe should be about one-half the diameter of the Cylinder.

Water can not be raised *successfully* by suction more than 25 to 28 feet, although the theoretical distance is 33.94 feet. The Suction Pipe may extend horizontally almost any distance if air-tight. We recommend the use of a Check or Foot-valve with a long vertical or horizontal Suction Pipe.

Turns and Elbows are to be avoided in the Suction or Discharge Pipe, as they cause considerable friction and add to the power required to operate the Pump.

For pumping hot water or liquids, the Pump should be fitted with metal valves, and should be placed as near the supply as possible, in order to force it upward instead of raising it by suction. Hot water or liquids cannot be raised any distance by suction, as the vapor or steam rises into the Pump, instead of the liquid.

### ✦SPECIAL NOTICE.✦

Each style of Pump, and other article represented in this section of Catalogue, will be designated by a *figure*, and each size represented by a *number*, or stated in inches.

To avoid mistakes, we particularly urge our customers, in ordering pumps, to do so always by the *Figure* and *Number*, rather than by the name of the article.

Our *Numbers* do not always agree with those of other makers, and to avoid misunderstandings as to price, size of bore and capacity per stroke should always be noted. These particulars are given with description of each Pump.

The various parts of all our Pumps are made interchangeable, and perfect fitting repairs can always be supplied. For price list of repairs see page 226.

## CISTERN PUMPS.

Fig. 1.

With Brass Valve Seat, Bored and Polished Cylinder, Couplings for Iron and Lead Pipe, Bolted Base and Revolving Fulcrum.



Fig. 1 represents our Long Barrel Cistern Pump. It has a strongly bolted base, with union coupling attachment below, fitted with connections to the brass valve seat for the standard gauge of iron pipe. Accompanying each Pump is also a brass tube, made to pass through the coupling-nut and arranged for soldering lead pipe, the Pump being thus adapted to either description of pipe. There is an adequate reservoir above the spout to retain any surplusage of water caused by rapid pumping, thus preventing the possibility of overflow. The Cylinder is bored uniformly round and straight, and afterwards smoothly polished throughout, causing the Pump to work with the utmost ease and efficiency. The Fulcrum and Lever revolve to any point most convenient for use by simply loosening the set-screw shown under the Lever, and by the same process the Plunger can be withdrawn from the Cylinder. By raising the Lever to highest point, lower valve can be tipped to allow water to drain from the body of Pump, rendering it anti-freezing.

PAINTED AND STRIPED.

### SIZES, CAPACITIES AND PRICES:

	Each.
No. 0, 2 in. Cylinder, capacity per stroke 1-15 gal., fitted for 1 in. pipe.	\$3 50
No. 1, 2 1/4 in. Cylinder, capacity per stroke 1-12 gal., fitted for 1 in. pipe.	4 00
No. 2, 2 3/8 in. Cylinder, capacity per stroke 1-11 gal., fitted for 1 or 1 1/4 in. pipe.	4 50
No. 3, 2 1/2 in. Cylinder, capacity per stroke 1-10 gal., fitted for 1 1/4 in. pipe.	5 00
No. 4, 3 in. Cylinder, capacity per stroke 1-6 gal., fitted for 1 1/4 or 1 1/2 in. pipe.	5 50

If required for Iron Pipe *only* deduct price of Dead Pipe Coupling. Each, 25 cts.

The James Smart Manufacturing Co., Brockville, Ont.

# PITCHER SPOUT CISTERN PUMPS.

COVERED TOP.

Fig. 2.



With Brass Valve Seat, Bored and Polished Cylinder, Couplings for Iron and Lead Pipe, Bolted Base and Revolving Fulcrum.

This illustrates our Improved Covered Top, New Style, Pitcher Spout Cistern Pump. It will readily be noticed that it embodies decided improvements over the Old Style Pitcher Spout Pump, as it is totally impervious to dust or other substances affecting the purity of the water, and also effectually prevents the overflow of any surplusage caused by rapid pumping. These advantages are not the only claims it possesses for superiority over the old style, as the Fulcrum is made stronger and more durable, while the design is handsome and well calculated to give satisfaction. It has a revolving top like Fig. 1, making it either right or left-handed, and is similar to that Pump in the rest of its construction. It is also anti-freezing. We make five sizes, arranged for either lead or iron pipe.

PAINTED AND STRIPED.

SIZES, CAPACITIES AND PRICES:

	Each
No. 1, 2½ in. Cylinder, capacity per stroke 1-10 gallon, for 1 in. pipe, . . . .	\$4 25
No. 2, 3 in. Cylinder, capacity per stroke 1-7 gallon, for 1¼ in. pipe, . . . .	4 75
No. 3, 3½ in. Cylinder, capacity per stroke 1-5 gallon, for 1½ in. pipe, . . . .	5 25
No. 4, 4 in. Cylinder, capacity per stroke 1-4 gallon, for 1¾ in. pipe, . . . .	5 75
No. 5, 4½ in. Cylinder, capacity per stroke 1-3 gallon, for 1¾ in. pipe, . . . .	6 25

If required for Iron Pipe only, deduct price of Lead Pipe Coupling, Each, 25 cents.

The James Smart Manufacturing Co., Brookville, Ont.

## PITCHER SPOUT CISTERN PUMPS.

OPEN TOP. NEW STYLE.

Fig. 3.



With Brass Valve Seat, Bored and Polished Cylinder, Couplings for Iron and Lead Pipe, Bolted Base and Revolving Fulcrum.

This is another form of Pitcher Spout Cistern Pump, the same in all respects as FIG. 2, except that the top is entirely open instead of being partially covered as in that figure.

This style is always sent when Open Top Pitcher Spout Pumps are ordered, unless FIG. 4, page 190, (the older style of this Pump) is specially asked for.

PAINTED AND STRIPED.

### SIZES, CAPACITIES AND PRICES:

	Each.
No. 1, 2½ in. Cylinder, capacity per stroke 1-10 gallon, for 1 in. pipe, . . . .	\$4 25
No. 2, 3 in. Cylinder, capacity per stroke 1-7 gallon, for 1¼ in. pipe, . . . .	4 75
No. 3, 3½ in. Cylinder, capacity per stroke 1-5 gallon, for 1½ in. pipe, . . . .	5 25
No. 4, 4 in. Cylinder, capacity per stroke 1-4 gallon, for 1¾ in. pipe, . . . .	5 75
No. 5, 4½ in. Cylinder, capacity per stroke 1-3 gallon, for 2 in. pipe, . . . .	6 25

If required for Iron Pipe *only*, deduct price of Lead Pipe Coupling. Each, 25 cents.

The James Smart Manufacturing Co., Brockville, Ont.

## PITCHER SPOUT CISTERN PUMPS.

OPEN TOP. OLD STYLE.

Fig. 4.



With Brass Valve Seat, Bored and Polished Cylinder, Couplings for Lead and Iron Pipe, Bolted Base and Revolving Fulcrum.

This is the original style of Pitcher Spout Cistern Pump, of which we are the only makers in Canada. Both Top and Spout are entirely open, giving the freest possible passage to the water. Its other features are the same as those of Figs. 2 and 3.

When ordering this Pump be sure to specify Fig. 4, as when "Open Top" is the only description given, we invariably send Fig. 3, page 189.

### SIZES, CAPACITIES AND PRICES:

	Each.
No. 1, 2½ in. Cylinder, capacity per stroke 1-10 gallon, for 1 in. pipe, . . . .	\$4 25
No. 2, 3 in. Cylinder, capacity per stroke 1-7 gallon, for 1¼ in. pipe, . . . .	4 75
No. 3, 3½ in. Cylinder, capacity per stroke 1-5 gallon, for 1½ in. pipe, . . . .	5 25
No. 4, 4 in. Cylinder, capacity per stroke 1-4 gallon, for 1¾ in. pipe, . . . .	5 75
No. 5, 4½ in. Cylinder, capacity per stroke 1-3 gallon, for 2 in. pipe, . . . .	6 25

If required for Iron Pipe *only*, deduct price of Lead Pipe Coupling. 25 cents each.

## WELL PUMPS.

Fig. 7.



ON pages 192 to 198 we illustrate various forms of Improved Iron Well Pumps. Besides being amply strong for the work they have to do, their distinguishing features are (1) Absolute immunity from freezing, through the suspension of their working parts (Cylinder) below the surface of the ground and out of the reach of the frost, and (2) their adaptability for and efficient working in **Wells of any Depth**, attained by the movable Cylinder or working barrel, which can be placed at any depth necessary to bring the distance between its Valves and the surface of the water within the limit of atmospheric pressure. The practical limit of atmospheric pressure is (about) 28 feet, and no pump, however well constructed, can raise water by direct suction a greater height than this. **IT IS THEREFORE ALL IMPORTANT THAT THE CYLINDER AND PLUNGER SHOULD NOT BE MORE THAN 28 FEET FROM THE SURFACE OF THE WATER AND INSURE EFFICIENT WORKING SHOULD BE WELL WITHIN THAT DISTANCE.** When the well is not more than 40 feet deep, certain advantages are secured by submerging the Cylinder at bottom of well as shown in Fig. 7. The Cylinder, when entirely under water, is always primed and in good working order; works more easily and lasts longer as experience has shown. There are also fewer repairs required as a perfect (or nearly perfect) fit of the Valves is not necessary when the pump is working under water. Connection between the Cylinder and Lever is made by  $\frac{1}{2}$ -inch round iron, or in the deeper wells by  $\frac{3}{8}$ -inch Gas Pipe.

When desired we furnish the Pumps complete with Pipe and all attachments ready for placing in the well. On page 203 will be found the extra charges for this. Foot Valves with strainers, or where Cylinder is submerged, strainers only, should be used with every Pump, the Foot Valves to relieve the strain of the column of water on the Upper Valves, and thus save repairs, and the strainer to prevent possible trouble through sticks or stones, or foreign substances of any kind, getting into the Pipe. Check Valves can be placed at any point in the Suction Pipe for same purpose as Foot Valves.

## ANTI-FREEZING WELL PUMPS.

Fig. 5.



**OPEN TOP.**

**FOR WELLS 30 FEET DEEP AND UNDER.**

Or by extension of set length to lower Cylinder within 28 feet of bottom, can be used successfully in Wells up to 50 feet in depth.

**STANDARD**, 36 inches high, has Bolted Base and Revolving Fulcrum. Painted and Striped.

**SET LENGTH** consists of 3 feet Wrought Iron Gas Pipe (1 1/4 inches interior diameter) Painted Black.

**CYLINDER** (see Fig. 17, page 202) is 10 inches long (inside), and of various diameters (as per price list.) Has Bored and Polished Interior and Brass Valve Seat, Fitted for Iron Pipe. Painted Black.

A small hole is drilled in Set Length just above Cylinder to allow all water above that point to drain away and prevent freezing.

### **SIZES, CAPACITIES AND PRICES :**

Standards, Set Lengths, and Cylinders, complete as per cut.	Each.
With 2 1/2 in. Cylinder, capacity per stroke 1-7 gallon, for 1 1/4 in. pipe,	\$7 75
With 2 3/4 in. Cylinder, capacity per stroke 1-6 gallon, for 1 1/4 in. pipe,	8 00
With 3 in. Cylinder, capacity per stroke 1-5 gallon, for 1 1/4 in. pipe,	8 50
With 3 1/4 in. Cylinder, capacity per stroke 1-4 gallon, for 1 1/4 in. pipe,	9 00
Without Set Lengths, 50 cents each less.	
Extra Set Length, 1 1/4 in.,	per foot, \$0 25
Extra Suction Rod, Wrought Iron or Gas Pipe,	per foot, 08 1/4
Foot Valves and Strainers, (Fig. 20) 1 1/4 in.	each, 2 25
Standards only (without Set Length or Cylinder) fitted for 1 1/4 inch pipe,	each, 4 67

## ANTI-FREEZING WELL PUMPS.

Fig. 6.

### CLOSE TOP.

FOR WELLS 30 FEET DEEP AND UNDER.

Or by extension of set length as described under Fig. 5, can be used in Wells up to 50 feet in depth.

Standard, 46 inches high. Barrel screws into Base. Has Revolving Fulcrum and tight Top, which prevents the entrance of foreign matters, and keeps Pump dust and dirt proof. Painted and Striped.

Set length same as in Fig. 5.

Cylinder same as in Fig. 5.

Hole in Set Length same as in Fig. 5.

### SIZES, CAPACITIES AND PRICES:

Standards, Set Lengths and Cylinders, complete as per cut.

	Each
With 2½ in. Cyl., capacity per stroke 1-7 gal., for 1¼ in. pipe,	\$8 50
With 2¾ in. Cyl., capacity per stroke 1-6 gal., for 1¼ in. pipe,	8 75
With 3 in. Cyl., capacity per stroke 1-5 gal., for 1¼ in. pipe,	9 25
With 3¼ in. Cyl., capacity per stroke 1-4 gal., for 1¼ in. pipe,	9 75

Without Set Lengths, 50 cents each less.

Extra Set Length, 1¼ inch,	per foot,	\$0 25
Extra Suction Rod, Wrought Iron or Gas Pipe,	per foot,	08¼
Foot Valves and Strainers (Fig. 20) 1¼ inch,	each,	2 25
Standards only, without Set Lengths or Cylinders, fitted for 1¼ inch pipe,	each,	5 42





## ANTI-FREEZING WELL PUMPS

Fig. 9.

**OPEN TOP. WITH BRACE.**

FOR WELLS 30 FEET DEEP AND UNDER,

Or by extension of Set Length, 50 feet and under.

**Standard**, 46 inches high has revolving Fulcrum. Barrel and Base are cast in one piece. Has Brace attached (as per cut) which serves to steady the Pump when in use, and prevent strain on bolts and pipe. Painted and Striped.

The **Set Length** in this Pump is attached to Standard near the Spout, instead of at base. By this means water is more quickly and easily raised, as the Stock of Pump does not require to be filled. Set Length is 3 feet from Base of Pump to Cylinder, and is made of 1 1/4 inch gas pipe, (as in preceding figures) painted black. The opening for pipe at Base is a close fit, and no vibration is possible.

Cylinder same as in Figures 5 and 6.

### SIZES, CAPACITIES AND PRICES.

Standards, Set Lengths and Cylinders complete as per cut.

	Each.
With 2 1/2 in. Cyl., capacity per stroke 1-7 gal., for 1 1/4 in. pipe,	\$8 00
With 2 3/4 in. Cyl., capacity per stroke 1-6 gal., for 1 1/4 in. pipe,	8 25
With 3 in. Cyl., capacity per stroke 1-5 gal., for 1 1/4 in. pipe,	8 75
With 3 1/4 in. Cyl., capacity per stroke 1-4 gal., for 1 1/4 in. pipe,	9 25

With Set Length, 50 cents each less.

Extra Set Length, 1 1/4 in.,	per foot,	\$0 25
Extra Suction Rod, Wrought Iron or Gas Pipe,	per foot,	08 1/2
Foot Valves and Strainers, (Fig. 20), 1 1/4 in.	each,	2 25
Standards only, (without Set Length or Cylinder,) fitted for 1 1/4 in. pipe,	each,	5 17



# ANTI-FREEZING WELL PUMPS.

Fig. 10.

**CLOSE TOP. WITH BRACE.**

FOR WELLS 30 FEET DEEP AND UNDER.

Or by extension of Set Length, 50 feet deep and under.

Standard 46 inches high, same as in Fig. 9, with exception of Top, which in this Pump is close as in Fig. 6, under which head the uses of Close Top are explained.

Set Length same as in Fig. 9.

Cylinder same as in Figs. 5, 6, and 9.

*SIZES, CAPACITIES AND PRICES*

Standards, Set Lengths and Cylinders complete as per cut.

	each.
With 2½ in. Cyl., capacity per stroke 1.7 gal., for 1¼ in. pipe.	\$0 00
With 2¾ in. Cyl., capacity per stroke 1.6 gal., for 1¼ in. pipe.	9 25
With 3 in. Cyl., capacity per stroke 1.5 gal., for 1¼ in. pipe.	9 75
With 3½ in. Cyl., capacity per stroke 1.4 gal., for 1¼ in. pipe.	10 25

Without Set Lengths, 50 cents each less.

Extra Set Length, 1¼ in.,	per foot,	\$0 25
Extra Suction Rod, Wrought Iron or Gas Pipe,	per foot,	08¼
Foot Valves and Strainers (Fig. 20), 1¼ in.,	each,	2 25
Standards only (without Set Length or Cylinder,) fitted for 1¼ in. pipe,	each,	5 92



re cast  
Pump  
  
Spout,  
as the  
base of  
(figures)  
ation is

Each.  
\$8 00  
8 25  
8 75  
9 25

0 25  
08¼  
2 25  
5 17

# ANTI-FREEZING WELL PUMPS.

Fig. 8.



## SPECIAL CUP TOP (OPEN). WITH BRACE.

FOR WELLS 30 FEET DEEP AND UNDER,

Or by extension of Set Length, 50 feet and under.

Standard 45 inches high, same as in Fig. 9, with exception of Top, which is made with cup for convenience in priming, and Fulcrum which is slightly higher.

Set Length same as in Figs. 9 and 10.

Cylinder same as in Figs. 5, 6, 9 and 10.

### SIZES, CAPACITIES AND PRICES:

Standards, Set Lengths and Cylinders complete as per cut.

	Each.
With 2½ in. Cyl., capacity per stroke 1-7 gal., for 1¼ in. pipe,	\$8 25
With 2¾ in. Cyl., capacity per stroke 1-6 gal., for 1¼ in. pipe,	8 50
With 3 in. Cyl., capacity per stroke 1-5 gal., for 1¼ in. pipe,	9 00
With 3¼ in. Cyl., capacity per stroke 1-4 gal., for 1¼ in. pipe,	9 50

Without Set Lengths, 50 cents each less.

Extra Set Length, 1¼ in.,	per foot, \$0 25
Extra Suction Rod, Wrought Iron or Gas Pipe,	per foot, 08¼
Foot Valves and Strainers, (Fig. 20), 1¼ in.	each, 2 25
Standards only (without Set Length or Cylinder,) fitted for	each. 5 17
1¼ in. pipe,	

# ANTI-FREEZING WELL PUMPS.

Fig. 11.

OPEN TOP. WITH BRACE.\*

FOR WELLS 100 FEET DEEP AND UNDER

Standard, 48 inches high, extra heavy and strong; has revolving Fulcrum; Barrel and Base all one piece; Nut close to Spout for attaching Set Length same as Figs. 8, 9 and 10; and Brace. Painted and Striped.

Cylinders (see Figs. 18 and 19, page 202), either 14 or 18 inches long as preferred, and any diameter from 2 to 4 inches. Have bored and polished interiors, and Brass Valve Seats. Fitted for iron pipe. Painted black.

Set Lengths for these Pumps, of length suitable to depth of well, can be made from 1 1/2 inch Gas Pipe, for which Stock of Pump and Upper Coupling of Cylinder are fitted.

PRICES:

Standard and any size Cylinder (no Set Length), for	Each.
1 1/2 in. Iron Pipe,	\$14 00
Standard only (for 1 1/2 in. pipe),	9 00

Without Brace, 50 cents less.

Gas Pipe for Set Lengths, 1 1/2 in.,	per foot,	\$0 30
Suction Rod, (Wrought Iron or Gas Pipe),	per foot,	08 1/4
Foot Valves and Strainers (Fig. 20), 1 1/2 in.	each,	2 50

\* Capacity per stroke of all Cylinders used with this Pump is given on page 202.



C.E.

which is  
her.

Each.  
\$8 25  
8 50  
9 00  
9 50

\$0 25  
08 1/4  
2 25

5 17



## ANTI-FREEZING WELL PUMPS.

Fig. 12.

CLOSE TOP. WITH BRACE.

FOR WELLS 100 FEET DEEP AND UNDER.

Standards, 48 inches high, (same as in Fig. 11), except top, which is *close*, as in Fig. 10.

Cylinders and Set Lengths same as Fig. 11.

PRICES:

Standard and any size Cylinder, (no Set Length)	
for 1½ in. pipe,	each, \$16 00
Standard only (for 1½ in. pipe),	11 00

Without Brace, 50 cents less.

Gas Pipe for Set Lengths, 1½ in.,	per foot, \$0 30
Suction Rod, Wrought Iron or Gas Pipe,	per foot, 08¼
Foot Valves and Strainers (Fig. 20), 1½ in.,	each, \$2 50

For capacity per stroke of Cylinders see page 202.



# ENGINE WELL PUMPS.

ANTI-FREEZING.

Fig. 16.

FOR WELLS 30 FEET DEEP AND UNDER.

Or by extension of Set Length, 50 feet and under.



Combined Lift and Force Pump, complete with Air Chamber and Coupling at Spout for Hose. Will throw a steady stream of good dimensions from Hose or force water in any direction through pipes. May be used as an ordinary Lift Pump by unscrewing cap on Air Chamber.

Standard, 44 inches high. Barrel Screws into Base, which is fitted to receive 1 1/4 inch pipe. Revolving Fulcrum. Brass Stuffing Box and polished connecting rod. Painted and Striped.

Set Length consists of 3 feet Wrought Iron Gas Pipe, 1 1/4 inch, with hole at bottom to allow water to drain away and prevent freezing. Painted Black. Additional Set Length must be used with Wells deeper than 30 feet.

Cylinder (see Fig. 17, page 202) is 10 inches long (inside), and of various diameters (as per price list), with Bored and Polished Interior and Brass Valve Seat. Fitted for 1 1/4 inch Iron Pipe. Painted Black.

## SIZES, CAPACITIES AND PRICES.

Standards, Set Lengths and Cylinders complete as per cut.

	Each.
With 2 3/4 inch Cylinder, capacity per stroke 1-6 gal., for 1 1/4 in. pipe,	\$13 00
With 3 inch Cylinder, capacity per stroke 1-5 gal., for 1 1/4 in. pipe,	13 50
With 3 1/4 inch Cylinder, capacity per stroke 1-4 gal., for 1 1/4 in. pipe,	14 00
With 3 1/2 inch Cylinder, capacity per stroke 1-3 gal., for 1 1/4 in. pipe,	14 50

With 3 feet Rubber Hose (1 in.) and Brass Nozzle, \$3.00 extra.

Extra Set Length, 1 1/4 in.,	per foot, \$0 25
Extra Suction Rod, Wrought Iron or Gas Pipe,	per foot, 08 1/4
Foot Valves and Strainers, (Fig. 20), 1 1/4 in.,	each, 2 25
Standards only (without Set Length or Cylinder),	each, 9 92

# ENGINE WELL PUMPS.

ANTI-FREEZING.

Fig. 14.

## COMBINED LIFT AND FORCE PUMP.

FOR WELLS 30 FEET DEEP AND UNDER,

Or by extension of Set Length, 50 feet deep and under.

In these Pumps the Stock and Air Chamber are both cast in one piece with a tub extending downward through the latter, which forms a guide for piston rod and prevent escape of air from Air Chamber. When used as ordinary Lift Pump, set screw in Air Chamber should be removed.

Standard, 51 inches high. Barrel, Base, and Air Chamber all one piece. Has Revolving Fulcrum, Brass Stuffing Box, and Polished Piston Rod, Coupling at Spout for Hose, and Brace. Fitted for  $1\frac{1}{4}$  inch pipe. Painted and Striped.

Set Length and Cylinder same as for Fig. 15.

### SIZES CAPACITIES AND PRICES:

Standards, Set Lengths and Cylinders, complete as per cut.

With $2\frac{3}{4}$ in. Cyl., capacity per stroke 1-6 gal., for $1\frac{1}{4}$ in. pipe,	\$13 00
With 3 in. Cyl., capacity per stroke 1-5 gal., for $1\frac{1}{4}$ in. pipe,	13 50
With $3\frac{1}{4}$ in. Cyl., capacity per stroke 1-4 gal., for $1\frac{1}{4}$ in. pipe,	14 00
With $3\frac{1}{2}$ in. Cyl., capacity per stroke 1-3 gal., for $1\frac{1}{4}$ in. pipe,	14 50

With 3 feet Rubber Hose (1 in.) and Brass Nozzle, \$3.00 extra.

Extra Set Length, $1\frac{1}{4}$ in.,	per foot, \$0 25
Extra Suction Rod, Wrought Iron or Gas Pipe,	per foot, 08 $\frac{1}{4}$
Foot Valves and Strainers (Fig. 29), $1\frac{1}{4}$ in.,	each, 2 25.
Standards only, without Set Length or Cylinder, fitted for $1\frac{1}{4}$ in. pipe,	each, 9 92

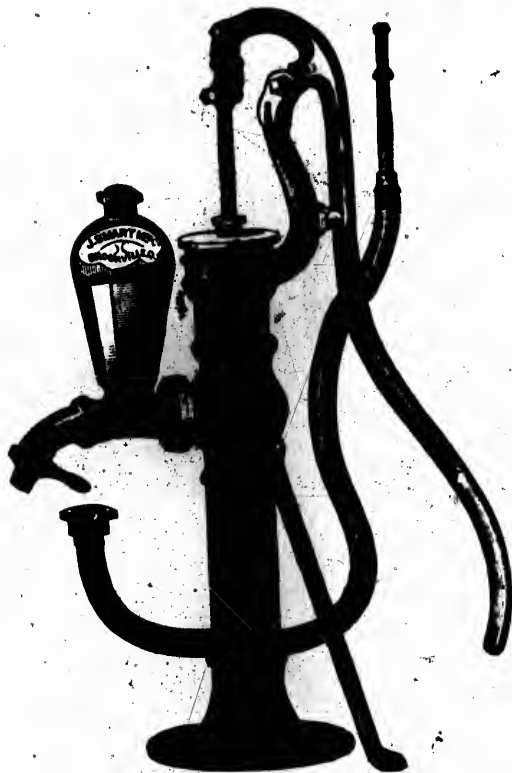


# ENGINE WELL PUMPS.

ANTI-FREEZING.

Fig. 16.

FOR WELLS 100 FEET DEEP AND UNDER.



When used for lifting only, unscrew Cap on Air Chamber.

Standard, 46 inches high. Barrel and Base in one piece. Has Revolving Fulcrum, Polished Piston Rod, Brass Stuffing Box and Brace.

## PAINTED AND STRIPED.

For Cylinders used with this Pump, see Figs. 18 and 19, page 202. All diameters may be used.

Set Length to be made of 1 1/2 inch Gas Pipe of length suitable to depth of Well. Small hole must be drilled in same just above Cylinder to render anti-freezing.

This Pump can be used as Lift Pump only, or as combined Lift and Force Pump, to force water in any direction, or throw a stream of good dimensions from Hose.

### SIZES, CAPACITIES AND PRICES:

Standard, Cylinder, 3 ft. Hose, and Nozzle, complete as per cut.

With 3 in. Cyl., capacity per stroke 3-10 gal., for	each,	\$20 00	Connecting Rod, per foot,	extra,	\$ 0 08 1/4
1 1/2 in. pipe,	each,		Foot Valves and Strainers, 1 1/2 in.,	each,	2 50
With 4 in. Cyl., capacity per stroke 2-3 gal., for	each,	21 00	Without Hose or Nozzle, deduct,		3 00
1 1/2 in. pipe,	each,		Standard only, with Hose and Nozzle,		15 38
Set Length, 1 1/2 in., per foot,	extra,	30	Standard only, without Hose and Nozzle,		12 78



# WELL PUMP CYLINDERS.



FIG. 17.

FIG. 18.

FIG. 19.

All have bored and polished interiors, Painted Black. Fitted for  $1\frac{1}{4}$  or  $1\frac{1}{2}$  inch pipe, as ordered. When ordering, please give diameter, length and size of pipe coupling wanted.

Any of these Cylinders can be furnished perfectly smooth outside (without bands) for drilled wells, at regular prices.

## SIZES, CAPACITIES AND PRICES:

Fig. 17. With  $2\frac{1}{4}$  inch Plunger :

Diameter (inside).	Length (inside).	Capacity per stroke (approximate).	Each.
$2\frac{1}{2}$ inches,	10 inches,	1-7 gallon,	\$ 4 35
$2\frac{3}{4}$ inches,	10 inches,	1-6 gallon,	4 70
3 inches,	10 inches,	1-5 gallon,	5 00
$3\frac{1}{4}$ inches,	10 inches,	1-4 gallon,	5 30
$3\frac{1}{2}$ inches,	10 inches,	1-3 gallon,	5 60
4 inches,	10 inches,	2-5 gallon,	6 25

Fig. 18. With  $3\frac{1}{4}$  inch Plunger :

Diameter (inside).	Length (inside).	Capacity per stroke (approximate).	Each.
$2\frac{1}{2}$ inches,	14 inches,	1-5 gallon,	\$ 6 50
$2\frac{3}{4}$ inches,	14 inches,	1-4 gallon,	7 00
3 inches,	14 inches,	3-10 gallon,	7 50
$3\frac{1}{4}$ inches,	14 inches,	5-16 gallon,	8 00
$3\frac{1}{2}$ inches,	14 inches,	2-5 gallon,	8 50
4 inches,	14 inches,	3-5 gallon,	10 00

Fig. 18. Has 7-inch Plunger, with an Iron Follower 5 inches long, cut with water grooves. Will work perfectly with or without leather packing.

Diameter (inside).	Length (inside).	Capacity per stroke (approximate).	Each.
2 inches,	18 inches,	1-6 gallon,	\$ 6 50
$2\frac{1}{4}$ inches,	18 inches,	1-5 gallon,	7 00
$2\frac{1}{2}$ inches,	18 inches,	1-4 gallon,	7 50
$2\frac{3}{4}$ inches,	18 inches,	3-10 gallon,	8 00
3 inches,	18 inches,	3-8 gallon,	8 50
$3\frac{1}{4}$ inches,	18 inches,	7-16 gallon,	9 00
$3\frac{1}{2}$ inches,	18 inches,	1-2 gallon,	9 50
4 inches,	18 inches,	2-3 gallon,	10 50

Any of above can be supplied with Brass Bodies, Iron Caps, at special figures.

# FOOT VALVES.

WITH STRAINERS.

Fig. 20.



Fitted with Couplings for Wrought Iron Pipe. Should be used with all Well Pumps at bottom of Suction Pipe to relieve the pressure on the upper Valves, and maintain the column of water at the proper height to enable the Pumps to act promptly. Strainers only should be used when Cylinder is at bottom of Well.

SIZES AND PRICES:

	Each.
Fig. 20, complete, for 1 inch pipe,	\$2 00
Fig. 20, complete, for 1 1/4 inch pipe,	2 25
Fig. 20, complete, for 1 1/2 inch pipe,	2 50
Fig. 20, complete, for 2 inch pipe,	3 00
Fig. 20, Strainers only, 1 inch pipe,	35
Fig. 20, Strainers only, 1 1/4 inch pipe,	35
Fig. 20, Strainers only, 1 1/2 inch pipe,	35
Fig. 20, Strainers only, 2 inch pipe,	50

# CHECK VALVES.

Fig. 21.



For inserting in the Suction Pipe at any point in its length to serve same purpose as Foot Valve.

SIZES AND PRICES:

	Each.
Fig. 21, for 1 inch pipe,	\$1 50
Fig. 21, for 1 1/4 inch pipe,	1 75
Fig. 21 for 1 1/2 inch pipe,	2 00
Fig. 21. for 2 inch pipe,	2 25

## IRON GAS PIPE FOR WELL PUMPS.

Cut and Fitted.

	1 1/4 in.	1 1/2 in.	2 in.
Per foot,	\$0 15	\$0 18	\$0 25

## EXTRA SUCTION ROD.

Half-inch Round Iron, or 3/8 inch Gas Pipe.

Per foot,	\$0 05
-----------	--------

The James Smart Manufacturing Co., Brockville, Ont.

## HOUSE FORCE PUMPS.

On Base. Without Air Chamber. One Discharge.

Fig. 26.



With Bored and Polished Cylinder, Bolted Base, Revolving Fulcrum, Brass Stuffing Box and Valve Seat, Polished Piston Rod, and Coupling for Iron and Lead Pipe.

To trip Valve and prevent freezing, raise Lever to extreme height.

**PAINTED AND STRIPED.**

*SIZES, CAPACITIES AND PRICES:*

2½ inch Bore, capacity per stroke ⅛ gallon, for 1¼ inch pipe,	each, \$ 9 50
3 inch Bore, capacity per stroke ⅙ gallon, for 1¼ or 1½ inch pipe,	each, 11 00

## HOT WATER FORCE PUMPS.

**FOR CHEESE FACTORIES, ETC.**

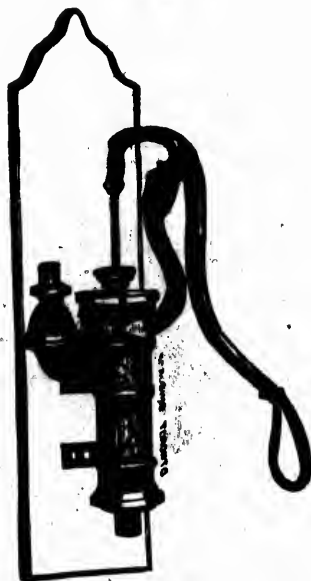
Same as above, with Brass Valves.

2½ inch Bore, capacity per stroke ⅛ gallon, for 1¼ inch pipe,	each, \$11 50
3 inch Bore, capacity per stroke ⅙ gallon, for 1¼ or 1½ inch pipe,	each, 13 00

## HOUSE-FORCE PUMPS.

On Plank. Without Air Chamber. One Discharge.

Fig. 30.



With Bored and Polished Cylinder, Revolving Fulcrum, Brass Stuffing Box and Valve Seat, Polished Piston Rod, and Coupling for Lead and Iron Pipe. Mounted on Plank.

To trip Valve and prevent freezing, raise Lever to its extreme height.

**PAINTED AND STRIPED.**

### *SIZES, CAPACITIES AND PRICES:*

2½ inch Bore, capacity per stroke ⅛ gallon, for 1¼ inch pipe,	each, \$ 9 50
3 inch Bore, capacity per stroke ¼ gallon, for 1¼ or 1½ inch pipe,	each, 11 00
With Brass Valves for hot water, 2½ inch Bore,	each, 11 50
With Brass Valves for hot water, 3 inch Bore,	each, 13 00

\$11 50  
13 00

The James Smart Manufacturing Co., Brockville, Ont.

## HOUSE FORCE PUMPS.

On Base. With Air Chamber. One Discharge.

Fig. 26.



Same as Fig. 25, with addition of Air Chamber, which regulates the pressure and insures a steady and continuous stream.

PAINTED AND STRIPED.

### *SIZES, CAPACITIES AND PRICES:*

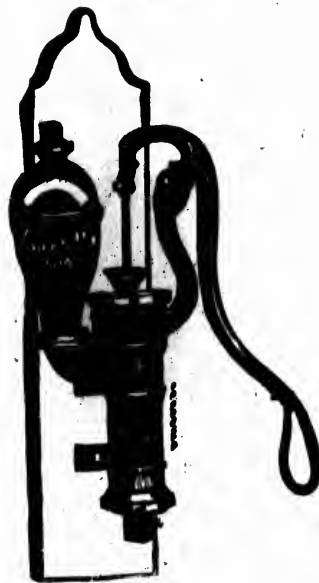
2½ inch Bore, capacity per stroke ⅙ gallon, for 1¼ inch pipe	each, \$10 00
3 inch Bore, capacity per stroke ⅙ gallon, for 1¼ or 1½ inch pipe,	each, 12 00

Fitted for Iron and Lead Pipe.

## HOUSE FORCE PUMPS.

On Plank. With Air Chamber. One Discharge.

Fig. 31.



Same as Fig. 30, with addition of Air Chamber.

**PAINTED AND STRIPED.**

*SIZES, CAPACITIES AND PRICES:*

2 1/4 inch Bore, capacity per stroke 1/8 gallon, for 1 1/4 inch pipe, . . . each, \$10 00  
3 inch Bore, capacity per stroke 1/6 gallon, for 1 1/4 or 1 1/2 inch pipe, each, 12 00

Fitted for Iron and Lead Pipe.

The James Smart Manufacturing Co., Brockville, Ont.

## HOUSE FORCE PUMPS

On Base. With Air Chamber. Two Discharges.

Fig. 27.



Same as Fig. 26, with addition of second discharge (horizontal) enabling the Pump to force water in two directions.

**PAINTED AND STRIPED.**

### *SIZES, CAPACITIES AND PRICES:*

2 1/4 inch Bore, capacity per stroke 1/8 gallon, for 1 1/4 inch pipe,  
3 inch Bore, capacity per stroke 1/6 gallon, for 1 1/2 or 1 3/4 inch pipe,

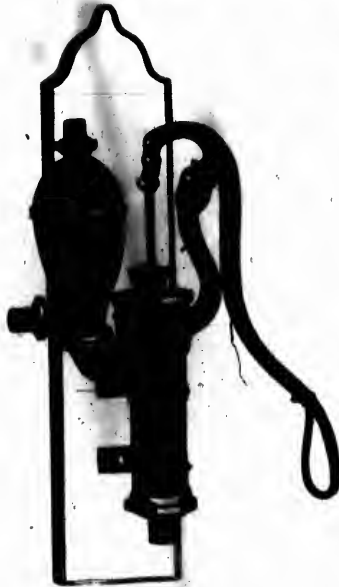
each, \$11 00  
each, 13 00

Fitted for Iron and Lead Pipe.

## HOUSE FORCE PUMPS.

On Plank. With Air Chamber. Two Discharges.

Fig. 32.



Same as Fig. 31, with addition of horizontal discharge. To force in two directions.

**PAINTED AND STRIPED.**

### *SIZES, CAPACITIES AND PRICES:*

2 1/2 inch Bore, capacity per stroke, 1/4 gallon, for 1 1/4 inch pipe,	each, \$11 00
3 inch Bore, capacity per stroke, 1/2 gallon, for 1 1/4 or 1 1/2 inch pipe,	each, 13 00

Fitted for Lead and Iron pipe.



## HOUSE FORCE PUMPS.

On Base. With Air Chamber. Two Discharges and Cock.

Fig. 28.



Same as Fig. 27, with Cock attached to lower outlet. Cock is of Iron, with Brass Plug, and has thread cut for 1 in. Hose Coupling.

**PAINTED AND STRIPED.**

### *SIZES, CAPACITIES AND PRICES:*

2 1/2 inch Bore, capacity per stroke 1/8 gallon, for 1 1/4 inch pipe,	each, \$12 50
3 inch Bore, capacity per stroke 1/6 gallon, for 1 1/4 or 1 1/2 inch pipe,	each, 14 50

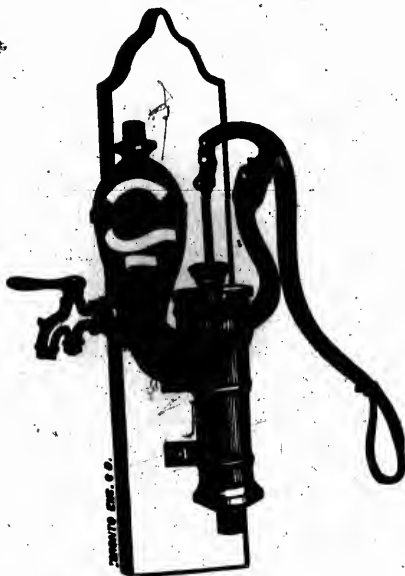
Fitted for Lead and Iron Pipe.

Three feet Rubber Hose and Brass Discharge Pipe, fitted to attach to Cock, \$3 00 extra.

## HOUSE FORCE PUMPS.

On Plank: With Air Chamber. Two Discharges and Cock.

Fig. 33.



\* Same as Fig. 32, with Cock attached to lower outlet. Cock is of iron, with Brass Plug, and has thread cut for 1 inch Hose Coupling.

**PAINTED AND STRIPED.**

*SIZES, CAPACITIES AND PRICES:*

2 1/2 inch Bore, capacity per stroke 1/8 gallon, for 1 1/4 inch pipe,	each, \$12 50
3 inch Bore, capacity per stroke 1/4 gallon, for 1 1/4 or 1 1/2 inch pipe,	each, 14 50

Fitted for Lead and Iron Pipe.

Three feet Rubber Hose and Brass Discharge Pipe, fitted to attach to Cock, \$3.00 extra.

The James Smart Manufacturing Co., Brockville, Ont.

## HOUSE FORCE PUMPS.

On Base. With Air Chamber. One Discharge.

COMPLETE WITH HOSE AND NOZZLE.

Fig. 29.



Same as Fig. 28, with Cap on Air Chamber substituted for vertical outlet, and Goose Neck Coupling and 3 feet Hose and Brass discharge Pipe in place of Cock.

May be used as an ordinary Cistern Pump by unscrewing Cap on Air Chamber.

PAINTED AND STRIPED.

SIZES, CAPACITIES AND PRICES:

2½ inch Bore, capacity per stroke ⅜ gallon, for 1¼ inch pipe,	each, \$15 00
3 inch Bore, capacity per stroke ⅞ gallon, for 1¼ or 1½ inch pipe,	each, 16 00

Without Hose and Discharge Pipe, \$3.00 less. Extra Hose, per foot, 33 cents.

Fitted for Lead and Iron Pipe.

The James Smart Manufacturing Co., Brockville, Ont.

## HOUSE FORCE PUMPS.

On Plank. With Air Chamber. One Discharge.

COMPLETE WITH HOSE AND NOZZLE.

Fig. 34.



Side Force Pump with same attachments as Fig. 29.

PAINTED AND STRIPED.

SIZES, CAPACITIES AND PRICES:

$2\frac{1}{2}$  inch Bore, capacity per stroke  $\frac{1}{8}$  gallon, for  $1\frac{1}{4}$  inch pipe,  
3 inch Bore, capacity per stroke  $\frac{1}{6}$  gallon, for  $1\frac{1}{4}$  or  $1\frac{1}{2}$  inch pipe,

each, \$15 00  
each, 16 00

Without Hose and Discharge Pipe, \$3.00 less. Extra Hose, per foot, 33 cents.

Fitted for Lead and Iron Pipe.

## HOUSE FORCE PUMPS.

On Plank. Without Air Chamber. One Discharge.



Fig. 35.

### SPECIAL PATTERN.

With longer stroke and greater capacity than Figs. 30 to 34. Has Brass Piston Rod, Stuffing Box and Connecting Tubes, Bored and Polished Cylinder. Mounted on plank, for either right or left hand, as ordered.

### PAINTED AND STRIPED.

Fitted for Lead and Iron Pipe.

Fig. 35 is made without Air Chamber for the convenience of those who wish to make their own Air Chambers of polished copper or other expensive metals.

### SIZES, CAPACITIES AND PRICES:

	Each.
2½ in. Bore, capacity per stroke ⅓ gal., for 1¼ in pipe,	\$15 00
3 in. Bore, capacity per stroke ¼ gal., for 1¼ or 1½ in. pipe,	16 50
2½ in. Bore, with Brass Valves for hot water,	\$17 00
3 in. Bore, with Brass Valves for hot water,	18 50
2½ in. Bore, with Brass Cylinder,	\$20 00
3 in. Bore, with Brass Cylinder,	22 00

All Brass, at special figures,

# HOUSE FORCE PUMPS.

On Plank. With Air Chamber. One Discharge.



Fig. 36.

Same as Fig. 35, with addition of Air Chamber, having vertical discharge at top.

**PAINTED AND STRIPED.**

Fitted for Iron and Lead Pipe.

Mounted for right or left hand, as ordered.

*SIZES, CAPACITIES AND PRICES:*

	Each,
2½ in. Bore, capacity per stroke ¼ gal., for 1¼ in. pipe,	\$17 00
3 in. Bore, capacity per stroke ¼ gal., for 1¼ or 1½ in. pipe,	18 50
2½ inch Bore, with Brass Valves for hot water,	\$19 00
3 inch Bore, with Brass Valves for hot water,	20 50
2½ inch Bore, with Brass Cylinder,	23 00
3 inch Bore, with Brass Cylinder,	25 00

All Brass, at special figures.

Piston

wish to

Each.  
 \$15 00  
 16 50  
 \$17 00  
 18 50  
 \$20 00  
 22 00

## HOUSE FORCE PUMPS.

On Plank. With Air Chamber. Two Discharges and Cock.

Fig. 37.

Same as Fig. 36, with addition of Horizontal Outlet, with Cock attached to same. Cock is threaded for Hose Coupling.



### PAINTED AND STRIPED.

Fitted for Iron and Lead Pipe.

Mounted for right or left hand as ordered.

### SIZES, CAPACITIES AND PRICES.

2½ in. Bore, capacity per stroke ¼ gallon, for 1¼ in.  
pipe, \$19 50  
3 in. Bore, capacity per stroke ¼ gallon, for 1¼ or  
1½ in. pipe, 21 00

2½ in. Bore, with Brass Valves for hot water, each, \$21 50  
3 in. Bore, with Brass Valves for hot water, each, 23 00

2½ in. Bore, with Brass Cylinder, each, \$25 50  
3 in. Bore, with Brass Cylinder, each, 27 50

All Brass, at special figures.

## FORCE PUMP COCKS.

Fig. 88.



HALF SIZE CUT.

Cast Iron, with Brass Plug and Brass Tail Piece for coupling inch Hose at mouth.

Complete as per cut,  
Without Tail Piece, threaded for Hose Coupling,

each, \$3 25  
each, 3 00

## GOOSE NECK COUPLINGS.

FOR USE WITH FORCE PUMPS.

Threaded for 1 inch Hose Coupling, and with coupling for attaching to Pump.

Fig. 89.



Each,

\$0 40



The James Smart Manufacturing Co., Brockville, Ont.

## RUBBER HOSE.

FOR FORCE PUMPS.

PRICES PER FOOT:

Two Ply,  
Three Ply,

$\frac{1}{2}$  inch.  
\$0 25  
30

1 inch  
\$0 33  
40

$1\frac{1}{2}$  inch.  
\$0 42  
50

## BRASS DISCHARGE PIPES



Fig. 40.

$\frac{3}{4}$  in. diameter,  
1 in. diameter,  
 $1\frac{1}{4}$  in. diameter,

per dozen, \$10 00  
per dozen, 12 00  
per dozen, 20 00



## BRASS HOSE COUPLINGS.

Fig. 41.

For Hose,  $\frac{3}{4}$  in. diameter,  
For Hose, 1 in. diameter,  
For Hose,  $1\frac{1}{4}$  in. diameter,

per dozen, \$ 5 00  
per dozen, 10 00  
per dozen, 20 00



## HOSE REELS.

Fig. 42.

Absolutely Necessary to keep Hose in Good Condition.

MOUNTED ON WHEELS.

Each,

\$2 00

# PUMP REPAIRS.

Sectional Views of Cistern and Pitcher Spout Pumps.

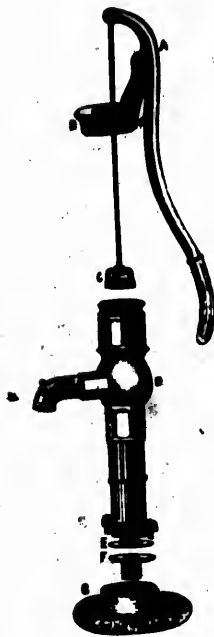


FIG. 43.

- |             |                |
|-------------|----------------|
| A—Lever.    | E—Lower Valve. |
| B—Fulcrum.  | F—Brass Tube.  |
| C—Plunger.  | G—Base.        |
| D—Cylinder. |                |



FIG. 44.

- |             |                           |
|-------------|---------------------------|
| A—Lever.    | E—Base Set Screw.         |
| B—Fulcrum.  | F—Lower Valve.            |
| C—Plunger.  | G—Brass Tube.             |
| D—Cylinder. | H—Base.                   |
|             | I—Coupling for Iron Pipe. |

For convenience of customers ordering repairs, we show above view of the different parts of a Cistern and Pitcher Spout Pump. Price List of parts will be found on following pages.

To avoid possible errors, always order pieces wanted by the names in Price List.

## PRICE LIST OF PUMP REPAIRS.

### Lever or Handles.

	Each.		Each.
Cistern Pumps, Fig. 1, Nos. 0, 1 and 2	\$0 50	Deep Well Pumps, Figs. 11 and 12,	\$1 50
Cistern Pumps, Fig. 1, No. 3,	60	Engine Well Pumps, Fig. 14,	1 25
Cistern Pumps, Fig. 1, No. 4,	70	Engine Well Pumps, Fig. 15,	1 25
Pitcher Pumps, Figs. 2, 3 and 4, Nos. 1, 2, and 3,	50	Engine Well Pumps, Fig. 16,	1 50
Nos. 4 and 5,	75	Base Force Pumps, Figs. 25 to 29,	1 00
Anti-Freezing Well Pumps, Figs. 5 and 6,	75	Side Force Pumps, Figs. 30 to 34,	1 00
Anti-Freezing Well Pumps, Figs. 8, 9 and 10,	75.	Side Force Pumps, Figs. 35 to 37,	2 00

### Fulcrums or Tops.

	Each.		Each.
Cistern Pumps, Fig. 1, Nos. 0, 1 and 2,	\$0 70	Anti-Freezing Well Pumps, Fig. 8,	\$1 00
Cistern Pumps, Fig. 1, No. 3,	75	Anti-Freezing Well Pumps, Fig. 9,	1 00
Cistern Pumps, Fig. 1, No. 4,	80	Anti-Freezing Well Pumps, Fig. 10,	1 25
Pitcher Pumps, Figs. 2 and 3, Nos. 1 and 2,	40	Anti-Freezing Well Pumps, Fig. 11,	1 25
Pitcher Pumps, Figs. 2 and 3, Nos. 3 and 4,	50	Anti-Freezing Well Pumps, Fig. 12,	1 50
Pitcher Pumps, Figs. 2 and 3, No. 5,	60	Engine Well Pumps, Fig. 14,	1 25
Pitcher Pumps, Fig. 4, Nos. 1 and 2,	60	Engine Well Pumps, Fig. 15,	1 25
Pitcher Pumps, Fig. 4, Nos. 3 and 4,	80	Engine Well Pumps, Fig. 16,	1 50
Pitcher Pumps, Fig. 4, No. 5,	1 00	Base Force Pumps, Figs. 25 to 29,	1 00
Anti-Freezing Well Pumps, Fig. 5,	75	Side Force Pumps, Figs. 30 to 34,	1 00
Anti-Freezing Well Pumps, Fig. 6,	1 25	Side Force Pumps, Figs. 35 to 37,	1 50

### Plungers, with Rods.

	Each.		Each.
Cistern Pumps, Fig. 1, No. 0,	\$0 70	Pitcher Spout Pumps, Figs. 2, 3 and 4, No. 1,	\$0 75
Cistern Pumps, Fig. 1, No. 1,	75	Pitcher Spout Pumps, Figs. 2, 3 and 4, No. 2,	80
Cistern Pumps, Fig. 1, No. 2,	80	Pitcher Spout Pumps, Figs. 2, 4 and 4, No. 3,	90
Cistern Pumps, Fig. 1, No. 3,	90	Pitcher Spout Pumps, Figs. 2, 3 and 4, No. 4,	1 00
Cistern Pumps, Fig. 1, No. 4,	1 00	Pitcher Spout Pumps, Figs. 2, 3, and 4, No. 5,	1 25

### Plungers Only. No Rods.

For Well Pump Cylinders.

Inch,	2½	2¾	3	3¼	3½	4
Fig. 17, Shallow Well,	\$2 10	\$2 10	\$2 30	\$2 45	\$2 70	\$3 20
Fig. 18, Medium Well,	2 25	2 40	2 50	2 60	2 75	3 30
Fig. 19, Deep Well,	2 45	2 70	2 95	3 20	3 45	3 95

# PRICE LIST OF PUMP REPAIRS.

(Continued.)

## Plungers Only. No Rods.

Base and Side Force Pumps, Figs. 25 to 34. . . . . each, \$1 00  
 Side Force Pumps, Figs. 35 to 37. . . . . each, 1 00

## Stocks or Barrels.

	Each		Each
Cistern Pumps, Fig. 1, Nos. 0 and 1.	\$1 25	Anti-Freezing Well Pumps, Figs. 5 and 6.	\$2 00
Cistern Pumps, Fig. 1, No. 2.	1 50	Anti-Freezing Well Pumps, Figs. 8, 9 and 10.	2 50
Cistern Pumps, Fig. 1, No. 3.	1 75	Anti-Freezing Well Pumps, Figs. 11 and 12.	3 00
Cistern Pumps, Fig. 1, No. 4.	2 00	Engine Well Pumps, Fig. 14.	6 00
Pitcher Pumps, Figs. 2, 3 and 4, No. 1.	1 50	Engine Well Pumps, Fig. 15.	5 00
Pitcher Pumps, Figs. 2, 3 and 4, No. 2.	1 75	Engine Well Pumps, Fig. 16.	6 00
Pitcher Pumps, Figs. 2, 3 and 4, No. 3.	2 00	Base Force Pumps, Figs. 25 to 29.	3 00
Pitcher Pumps, Figs. 2, 3 and 4, No. 4.	2 25	Side Force Pumps, Figs. 30 to 34.	3 00
Pitcher Pumps, Figs. 2, 3 and 4, No. 5.	2 50	Side Force Pumps, Figs. 35 to 37.	3 00

## Bases or Bottoms.

	Each.		Each.
Cistern Pumps, Fig. 1, Nos. 0, 1 and 2.	\$0 75	Pitcher Pumps, Figs. 2, 3 and 4, No. 4.	\$1 50
Cistern Pumps, Fig. 1, No. 3.	85	Pitcher Pumps, Figs. 2, 3 and 4, No. 5.	1 75
Cistern Pumps, Fig. 1, No. 4.	1 00	Anti-Freezing Well Pumps, Figs. 5 and 6.	1 00
Pitcher Pumps, Figs. 2, 3 and 4, No. 1.	1 00	Engine Well Pumps, Fig. 15.	1 25
Pitcher Pumps, Figs. 2, 3 and 4, No. 2.	1 10	Engine Well Pumps, Fig. 16.	1 50
Pitcher Pumps, Figs. 2, 3 and 4, No. 3.	1 25	Base Force Pumps, Figs. 25 to 29.	1 00

## Lower Valves.

Cistern Pumps, Fig. 1, all sizes. . . . . each, \$0 25  
 Pitcher Pumps, Figs. 2, 3 and 4, all sizes. . . . . each, 35  
 Well Pumps, Figs. 5 to 10, all sizes. . . . . each, 25  
 Well Pumps, Figs. 11 and 12, all sizes. . . . . each, 35  
 Engine Well Pumps, Figs. 14 and 15, all sizes. . . . . each, 30  
 Engine Well Pumps, Fig. 16, all sizes. . . . . each, 35  
 Force Pumps, Figs. 25 to 37. . . . . each, 25

# PRICE LIST OF PUMP REPAIRS

(Continued.)

## Brass Valve Seats.

Cistern Pumps, Fig. 1, all sizes,	each, \$0 75
Pitcher Pumps, Figs. 2, 3, and 4, No. 1,	each, 75
Pitcher Pumps, Figs. 2, 3, and 4, No. 2,	each, 90
Pitcher Pumps, Figs. 2, 3, and 4, No. 3,	each, 1 10
Pitcher Pumps, Figs. 2, 3, and 4, No. 4,	each, 1 30
Pitcher Pumps, Figs. 2, 3, and 4, No. 5,	each, 1 30
Base and Side Force Pumps, all Figs., 2½ inch Cylinder,	each, 1 00
Base and Side Force Pumps, all Figs., 3 inch Cylinder,	each, 1 25

## Brass Soldering Tubes for Lead Pipe.

For 1 and 1½ inch pipe,	each, \$0 50
For 1½ inch pipe,	each, 75
For 2 inch pipe,	each, 1 00

## Cylinder Caps Top.

Shallow Well Cylinders, Fig. 17,	each, \$0 50
Medium and Deep Well Cylinders, Figs. 18 and 19,	each, 75

## Cylinder Caps Bottom.

Shallow Well Cylinders, Fig. 17,	each, \$0 75
Medium and Deep Well Cylinders, Figs. 18 and 19,	each, 90

## Cylinder Bodies.

Diameter.	2¼ in.	2½ in.	3 in.	3¼ in.	3½ in.	4 in.
Shallow, Fig. 17,	each, \$1 60	\$1 80	\$2 00	\$2 25	\$2 50	\$3 25
Medium, Fig. 18,	each, 2 50	2 70	3 00	3 25	3 55	4 10
Deep, Fig. 19,	each, 3 35	3 75	4 00	4 30	4 60	4 90

## Caps and Stuffing Boxes.

Base and Side Force Pumps, Figs. 25 to 34, all sizes,	each, \$1 50
Side Force Pumps, Figs. 35 to 37, all sizes,	each, 1 50
Engine Well Pumps, Figs. 14, 15, and 16,	each, 1 50

## Air Chambers.

Engine Well Pumps, Fig. 15,	each, \$2 50
Engine Well Pumps, Fig. 16,	each, 3 00
Base and Side Force Pumps, all figures and sizes,	each, 2 00

Spouts, Fig. 14.

Braces,

Set Screws and Bolts,

Crossheads for Force Pumps and Close Top Well Pumps,

Brass or Polished Iron Connecting Rods for Force Pumps,

each, \$0 50
each, 50
each, 08
each, 50
each, 1 00

## Iron Pipe Nuts for Cistern and Pitcher Spout Pumps, Spout, Hose, and Air Chamber Nuts.

1 and 1½ in.,	each, \$0 35	1½ in.,	each, \$0 45	2 in.,	each, \$0 60
---------------	--------------	---------	--------------	--------	--------------

## DRIVE WELL POINTS.



Fig. 23.

Galvanized Iron Pipe, covered with Brass Gauze and perforated Brass, suitable for fine sand strata.

1 1/4 inch diameter,

each, \$5 50.



Fig. 24.

Galvanized Iron Pipe, covered with Brass Gauze, and Perforated Galvanized Iron Jacket, suitable for gravel or stony strata.

1 1/4 inch diameter,

each, \$1 50.

## SEWER TRAPS

Fig. 46.



Size, 16 x 16 inches,

each, \$2 50

1000

10

The James Smart Manufacturing Co., Brockville, Ont.

## CAST IRON SINKS.

With Round Corners, Plugs, and Strainers Underneath.

Fig. 45.



ALL 6 INCHES DEEP. PAINTED.

Sizes.	Each.
14 x 20 in.,	\$2 20
15 x 27 in.,	2 90
16 x 24 in.,	2 70
16 x 30 in.,	3 50
18 x 24 in.,	2 80
18 x 30 in.,	3 75
18 x 36 in.,	4 75
18 x 42 in.,	6 25
20 x 36 in.,	5 25
20 x 40 in.,	6 00
24 x 38 in.,	6 50





