Descriptive Catalogue
of
MACHINES
Built by the
BRIDESBURG MANUFACTURING COMPANY
Manufacturers of every variety of
COTTON AND WOOL
CARDING SPINNING & WEAVING MACHINERY
In all its Departments
SHAFTING & MILL GEARING of the latest and most approved plans.

BRIDESBURG
1867
TO COTTON AND WOOLLEN MANUFACTURERS.

In preparing this Illustrated Catalogue, the principal object we have had in view is to call the attention of Manufacturers, particularly those at a distance, to a number of New Machines, exclusively our own, and also to convey to them an idea of the innumerable improvements we have made within a few years past, upon the machinery used for carding, spinning, and weaving Cotton and Wool.

By devoting our time and attention solely to the business for many years, and by closely studying the interest of those engaged in the manufacture of Cotton and Woollen goods, we have been enabled to bring the machinery used for that purpose to a high state of perfection. The great point aimed at, has been to construct in the most simple, workmanlike, and durable manner, such machines as would most fully and effectually answer the purpose for which they were designed, with the greatest possible saving of labor and of power. With this end in view, we have from time to time improved and remodelled our machines, adding everything that could be of advantage to the Manufacturer, until we are prepared to furnish for every department of Cotton and Woollen manufacturing, the most complete and efficient machinery ever offered to the public.

For the style and construction of the machines, we refer you to the drawings, and the full descriptions attached; and for their value and superiority, we refer with great confidence to the Manufacturers in every State of the Union to whom we have furnished machinery.

In addition to the catalogue, we have prepared a number of drawings of our different machines, of a size convenient for enclosing in letters, and we propose sending them to those wishing to favor us with their orders. Each machine will be numbered, and accompanied by a full description; and we are confident that this plan will be found to save a great deal of trouble, both to the manufacturer and to ourselves.

We have recently enlarged our shops and increased our facilities for building machinery, and respectfully solicit the orders of those already in, or about to embark in the manufacturing business.

BRIDESBURG MANUFACTURING CO.

Bradesburg, 1867.
Some parts of this document have been re-arranged and re-oriented to make viewing easier.
No 1
Hair Picker.

With Iron Frame cased up, Main Cylinder 4 inches in diameter, with 1000 cast steel teeth 3/4 inches in diam, and stands 1 1/2 inches above the tags, which are Bolted in two heavy cast Iron Rings, and Hooped with Wrought Iron Band. Deep Fluted Feed Rollers 3 inches in diam, with Elliptic weighting springs. Driving pulleys 12 1/3 in. long & should run ~ Rev. per minute. occupies a space of 7 Ft. 10 in. long by 3 Feet inches wide

in. Wide .......................... 3
in. .......................... 3
in. .......................... 3

A. Jenkins & Son
Bridesburg
No. 2

SHODDY PICKER

Cylinder 37 inches in diameter with 14,000 cast steel teeth. Fluted feed rollers with reverse motion. And fane to strike back the lumps.

Driving Pulley 14 In. diameter and should run 600 Revolutions per minute across a space of 8 feet ... Inches long by 6 ft. 7½ in. wide.

20 in. Wide ........................................... $
No. 3

RAG DUSTER.

Has a cylinder of Woven Wire 4 Feet 4 1/2 inches Wide, 3 Feet 10 inches in diam., inside of which the is another Cylinder or Fan. The Rags being put in at a door made in the Woven Wire cylinder as represented in the plate, being closed up it is then put into motion. The Woven Wire Cylinder revolving one way, while the inside cylinder or Fan revolves the other, thus producing a direct contrary action with each cylinder which gives the Rags a thorough dusting or Batting; occupies a space of 5 F. 6 inches long by 6 F. 6 inches Wide. Driving pulleys 22 x 4 inch face; should run 100 Rev. per minute.
No. 4.

CONE WILLOW

With stationary lags having 12 cast steel teeth in each 3 in long and inches diameter and cone shaped cylinder inches wide, with lags and 11 cast steel teeth in each lag inches long and 1 inch diameter these teeth are set in the lags so that when revolving the form or spiral or screw motion and the cotton or wool being feed in at one end, is by this spiral motion carried along the cylinder and delivered at the opposite end. Driving pulleys 12 inches in diameter occupies a space of 3 feet 6 in long by 6 feet 8 inches wide; and should run 450 revolutions per minute.
Improved with Iron Frame, adjustable grate & dirt box; Square Cylinder with 32 teeth, 3 inches long in 4 Lags, with 8 teeth each.

Iron fan 14 in diameter, to take away the dust, adjustable Worm motion for opening the door, at proper intervals, to eject the wool. Driving pulleys 8 inches in diameter, occupy a space of 3 Feet 4 Inches, long by 5 Feet 3 inches wide, and should run 400 R. Revolution per minute.

$
N° 6

WOOL PICKER.

Cylinder 26\(\frac{3}{4}\) Inches diameter with cast steel hooked Teeth set in Bridges in wrought Iron Lags. Improved Feed Roller and Shell. Driving Pulleys 10 in diameter & should run 1000 revolution per minute, occupies a space of 6 Feet – Inches long by 4 Feet 6 In. wide

18 in wide: .......................... $
24 " : .......................... $
30 " : .......................... $
No. 7
SINGLE FIRST BREAKER CARD.

Main Cylinder, 42 inches in diameter, Boller 20 inches in diameter, of Segment Blocks or, Lags Fancy and Jackers, each 10 inches in diameter; 5 Workers, 6 inches in diameter, 5 Strippers, 8 inches in diameter, Fluted Iron Feed Rollers, 3 inches in diameter, Feed Board, With Improved, Pinion Comb motion; Main Cylinder Shaft, 3 ½ inches in diameter, and driving Pulley, 30 in diameter, occupies a Space of 11 feet 6 inches long by 7 feet 2 inches wide & should run 190 Revs per minute.

60 Inches Wide
56
51
48
44
40
36
30
24

Side Condenser, with Improved Gearing.
Small Stripper, under Fancy.
Slate Opem.
SINGLE SECOND BREAKER CARD

Main Cylinder 42 inches in diam. Doffer 20 inches in diameter of Segmont Block or Laps, Nappy, and Lustrina, each 10 inches in Diameter,

5 Workers, 6 inches and 5 Strippers 3 inches in Diameter. Iron Feed Rollers 1 1/2 inches in Diameter with Improved Comb Motion, and Finger Rack, Main Cylinder shaft 2 3/4 inches in diameter, driving pulley 23 inches in diameter occupies a space of 12 feet long by 7 feet 5 in. wide and should run 30 to 35 revolutions per minute.

<table>
<thead>
<tr>
<th>Width</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>60 in</td>
<td>$</td>
</tr>
<tr>
<td>56 in</td>
<td>$</td>
</tr>
<tr>
<td>51 in</td>
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<td>48 in</td>
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<td>44 in</td>
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<td>36 in</td>
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</tr>
<tr>
<td>80 in</td>
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<tr>
<td>24 in</td>
<td>$</td>
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</tbody>
</table>

Improved Iron ........................................ $8

Tape Rack ........................................... $8

Small stripper, under Fancy ....................... $8
No. 9
SINGLE WOOL FINISHER

Main Cylinder 42 inches in Diameter, Lickerin and Fancy, each 10 inches in Diameter; 4 Workers, 6 inches in diameter; 4 Strippers 3 inch in Diameter, with 2 Condensing Belts, each 10 inches in diameter; 4 Bottom and 3 Top Rubber Rollers made of Tin; and all geared together, Iron Rollers driven with a Diagonal Shaft; Main Cylinder shaft 2 7/8 inches in diameter, Driving Pulley 22 inches in diameter. Fluted Iron feed Roller 1 1/4 inches in Diameter occupies a space 23 3/4 in. long by 7 3/4 in. wide. Main Cylinder should run 130 feet per minute.

60 inches wide ................................................. $  
48 " ............................................................ $  
36 " ............................................................ $  
30 " ............................................................ $  
24 " ............................................................ $  
Small stripper under Fancy ............................... $  
Tubular Rack ................................................... $  
Finger Rack .................................................... $  
Extra 6 in Lickerin .......................................... $  
Iron Credit ...................................................... $  

Lith. of W. Watts, A.A. Wolcott 1879
SINGLE FIRST BREAKER CARD

Main Cylinder 48 inches in diameter, Dotter 20 inches in Diameter of Segment Blocks or Lags, Fancy & Black in each 10 inches in Diameter, 6 Workers 6 inches in Diameter, 6 Strappers 3 inches in Diameter, Iron Post Rollers 1 1/2 inches in diameter Real Board.

With improved Roman Combination, Main Cylinder Shaft 2 3/4 inches in diameter, and Driving Pulley 22 in diameter occupies a space of 11 5/8 inches long by 7 3/4 in wide & should run 110 revolutions per minute.

60 inches Wide ............... $5
48 ................................... $5
40 ................................... $5
36 ................................... $5
30 ................................... $5

Side Condenser with Improved Gearing ........................................... $5
Small Strapper & Fancy ................................................................. $5
Flat open ................................................................................ $5
Metallic Burring Machine, & gas pipe board ......................................... $5
N°11.

SINGLE SECOND BREAKER CARD.

Main Cylinder 4 8 inches in. Diameter Doffre 20 in. diameter of Segment Blocks or Lags Fancy Lickerin each 10 in. diam. 6 Workers 6 in. diam., 6 Strippers 3 inches diameter Iron Feed Rollers 1 1/8 inches diameter Finger Rack Improved Comb pitman motion Driving pulley 22 inches diam. and should run 110 Rev. per minute occupies a space of 11 feet 6 in. by 7 1/2 in. wide

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>60</td>
<td>$</td>
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<tr>
<td>48</td>
<td>$</td>
</tr>
<tr>
<td>40</td>
<td>$</td>
</tr>
<tr>
<td>38</td>
<td>$</td>
</tr>
<tr>
<td>30</td>
<td>$</td>
</tr>
</tbody>
</table>
SINGLE WOOL FINISHER CARD.

Main Cylinder 4 1/2 Inches in Diameter, Tickerin and Fancy, each 10 Inches in Diameter, 5 Workers, 6 Inches in Diameter, 5 Stampers 3 Inches in Diameter, with 2 Condensing Dollers, each 10 Inches in Diameter, 4 Bottom, and 3 Top Rubber Rollers, made of Tin, and all round together; and Vibrating Rod Rollers driven with a Diagonal Shaft. Main Cylinder Shaft 2 3/4 Inches in Diameter, Driving Pulley 22 inches in diameter; Fluted Iron Rod Roller 1 1/2 Inches in Diameter, occupies a space of 12 Feet 6 Inches long by 7 Feet 4 Inches wide, Main Cylinder, should run 110 Revolution per minute.

60 inches wide .................................... 48
48 ..................................................
46 ..................................................
46 ..................................................
30 ..................................................

Small Stripper Under Fancy ........................ ..............................
Tube Rack ..........................................
Finger Rack ...........................................
Extra 6 in. Ladder in ..............................
Iron Cross ...........................................
No. 18

SINGLE ROLL CARD.

Main Cylinder 42 inches Diameter, and Jetter 20 inches diam. of segment, Mixture or Laps, with Fancy and Licker-in' each 10 inch diam.; 5 Workers 6 in diam., 5 Strippers 3 in diameter with Plain Iron Lined Rollers 1 1/2 in diameter, and sled board.

This card has been constructed with particular regard to the want of cotton work, being made with Roll drum, and Shell for making Rolls, to be spun by hand, the drum is 12 in. diam., and fluted, the rolls can be made large or small as required, by raising or depressing the Shell, by an adjustable screw in front of Cardy Driving pulley 22 x 4 Inches face; Main Cylinder should run 180 Feet per minute, occupies a space of 11 Feet 6 Inches long by 7 Feet 4 inches wide.

24 in. wide ............................................. $
51 in. wide ............................................. $
N°14

SPOOLING MACHINE FOR FEEDING WOOL CARDS

30 Drums 4 inches diameter in the crook to take in side condenser spools. Drawn 10 in diameter with adjustable arms to take in Card spools for different widths of cards. Machine 7 1/2 feet wide by 6 1/2 feet 4 inches long. Driving pulleys 9 in diameter and should run 500 revs per minute.
Two Burr Cylinders running in contact, making a Carding point and Straightening the fibre; the Burr is held by a fluted Roller and the wool combed off Saving all the Wool. Top Cylinder 7 Inches in Diameter, should run Revs. per minute Arranged to attach

to First Breaker Cards

<table>
<thead>
<tr>
<th>For 40 in. Card</th>
<th>$1</th>
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</thead>
<tbody>
<tr>
<td>48 in. do</td>
<td>$1</td>
</tr>
<tr>
<td>60 in. do</td>
<td>$1</td>
</tr>
</tbody>
</table>
No. 16

TRAVERSE GRINDER.

Grinding pulley 12 in diameter 4 in face; pulley shaft 2½ in diameter with improved adjustable reverse motion; Driving pulleys 12 inches diameter & should run 100 Rev per minute on 48 in machine occupies a space of

7 feet 3 inches by 3 feet 6 inches wide.

<table>
<thead>
<tr>
<th>Revs</th>
<th>Cost</th>
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<tbody>
<tr>
<td>30</td>
<td>$8</td>
</tr>
<tr>
<td>40</td>
<td>$6</td>
</tr>
<tr>
<td>46</td>
<td>$8</td>
</tr>
<tr>
<td>60</td>
<td>$8</td>
</tr>
</tbody>
</table>


**WOOLEN MULE**

With iron roller beam and stands, with double speed to spindles. Patent slipping motion for regulating stuffing. Patent friction or belt motion, to assist the spinner when putting up Improved-Binder and bolster strip. Twist pulley 10, 11, 12, 13, 14, 15, & 19 in diameter. Change Bevels 28, 30, 32, 34, 36, 38, 40, 42, & 44 teeth, carried, case up, back, and front. Spindles 12 inches long. Tin Cylinder 5 inches in diameter. Squaring band motion.

Driving pulley 16 inch. should run 175 Rev per minute. The head & Jack occupies a space of 3 ft. 6 inches by 11 ft. wide or 1200 Price of Mule Head.

To which add the following price for spindles:

<table>
<thead>
<tr>
<th>Spindle</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 3/8</td>
<td>$</td>
</tr>
<tr>
<td>1 5/8</td>
<td>$</td>
</tr>
<tr>
<td>1 7/8</td>
<td>$</td>
</tr>
<tr>
<td>2</td>
<td>$</td>
</tr>
<tr>
<td>2</td>
<td>$</td>
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