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

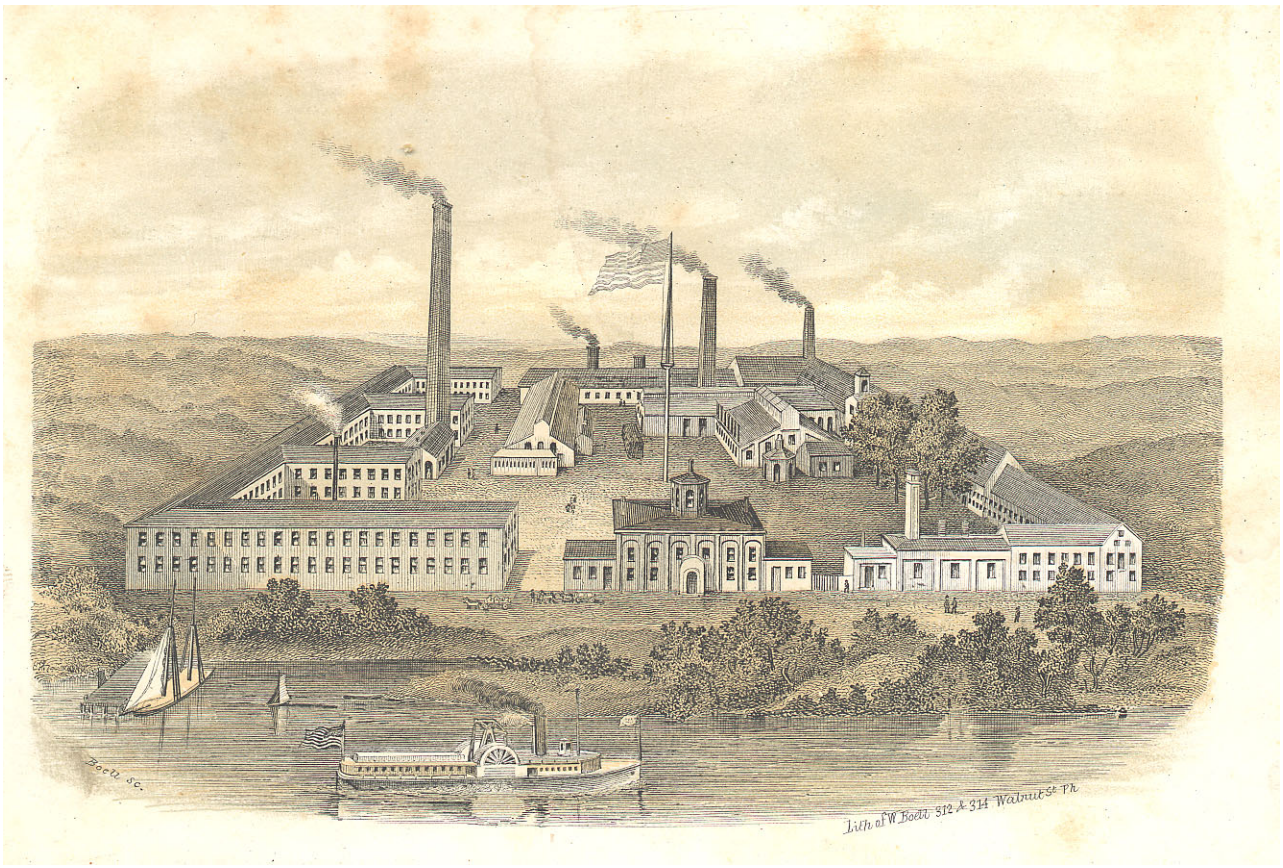
SHAFTING & MILL GEARING

of the latest and most approved plans.

BRIDESBURG

1867

Boell lith Phil.



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.

Bridesburg, 1867.

Some parts of this document have been re-arranged and re-oriented to make viewing easier.

N°1

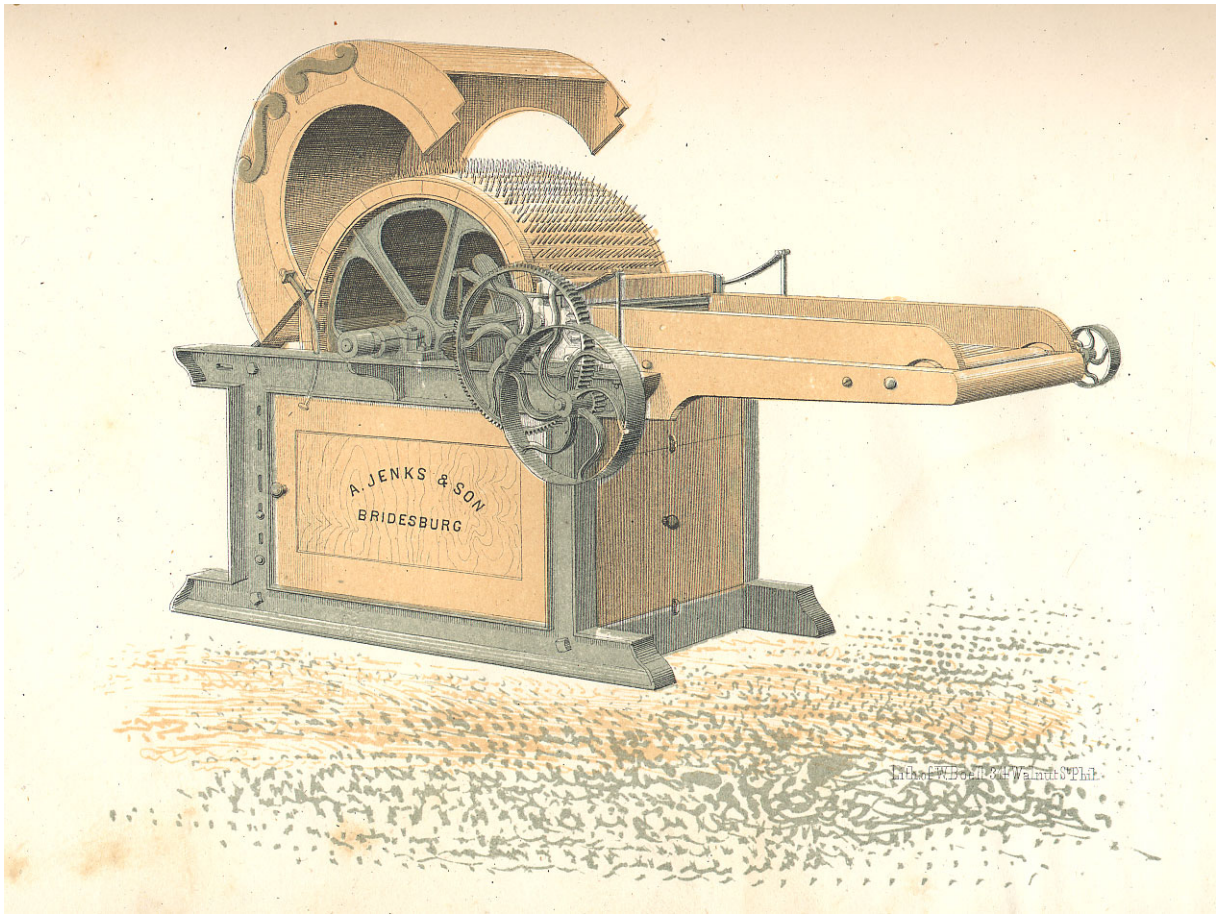
HAIR PICKER.

With Iron Frame cased up, Main Cylinder 34 inches in diameter, with 1600 Cast steel teeth 3/8 inches in diam; and stands 1 3/8 inches above the lags, which are Bolted in two heavy cast Iron Rims, and Hooped with Wrought Iron band; Deep Fluted Feed Rollers 3 inches in diam. with Elliptic weighting springs; Driving pulleys 12 x 3 in. face & should run Rev. per minute. occupies a space of 7 Ft 10 in. long by 6 Feet inches wide

..... $

in Wide ..... $

in " ..... $

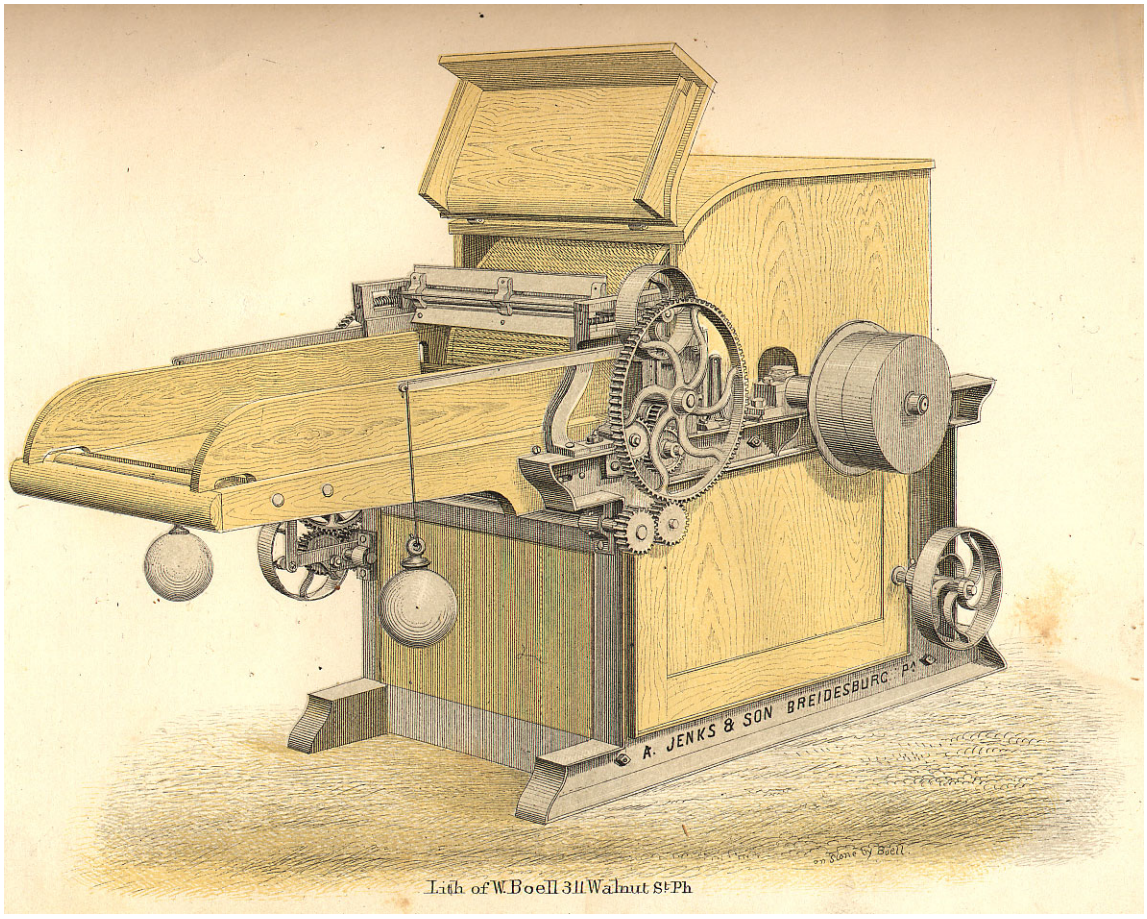


N.° 2

SHODDY PICKER .

Cylinder 37 Inches in diameter with 14.000 cast steel teeth. Fluted feed Rollers with reverse motion: And fan to strike back the lumps .
Driving Pulley 12 In. diameter and should run 600 Revol.ts per minute occupies a space of 8 feet — Inches long by 6 f.t 7½ In.s wide

20 in Wide ..... $

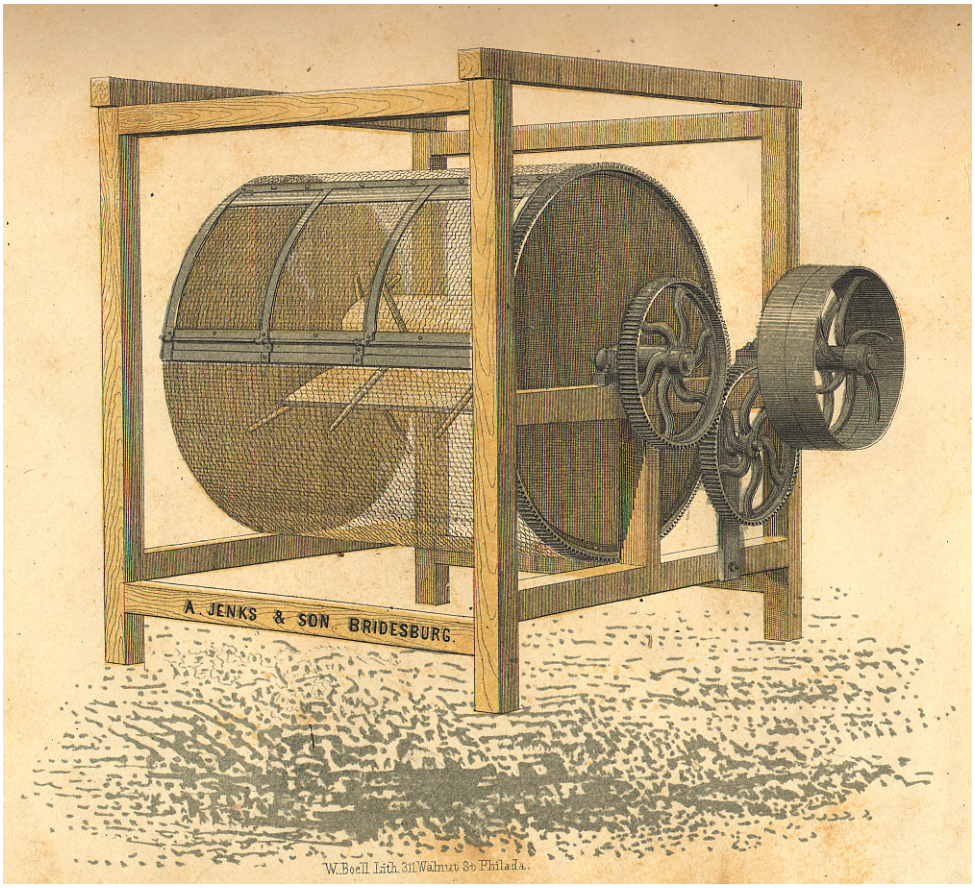


Lith of W. Boell 311 Walnut St Ph

No 3

RAG DUSTER.

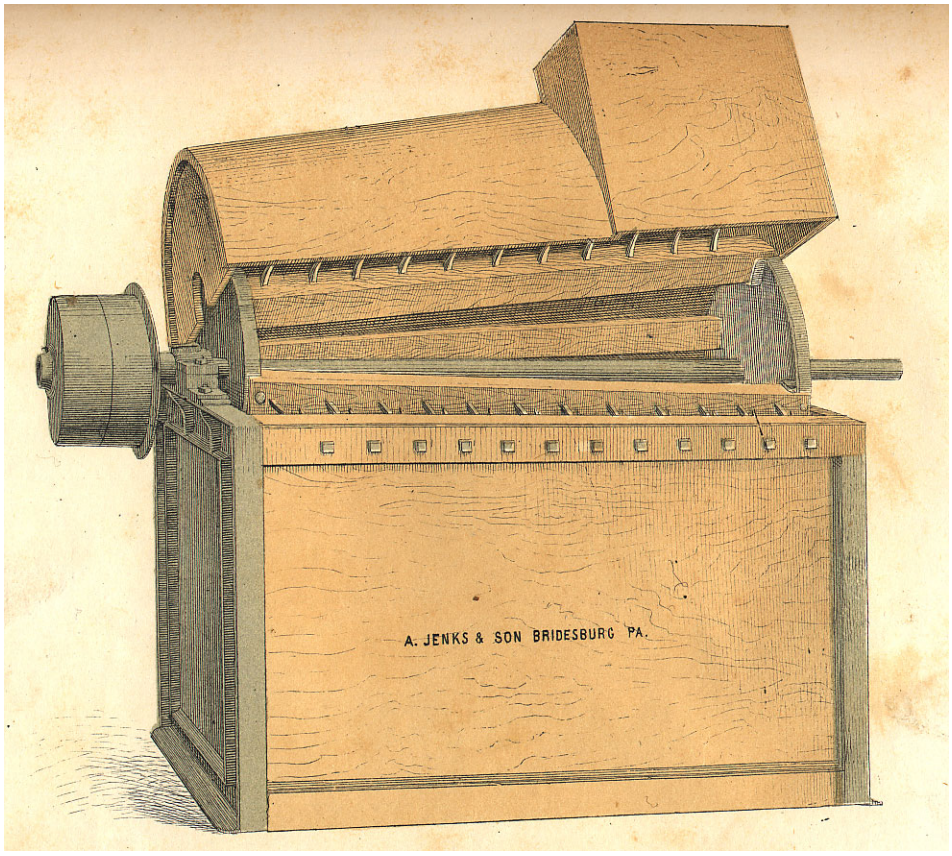
Has a Cylinder of Woven Wire 4 Feet 4 ½ inches Wide 3 Feet 10 inches in diam, inside of which the is another Cylinder or Fan: The Rags being put in at a door made in the Woven Wire cylinder as reprented in the plate, being closed up it is then put into motion; The Woven Wire Cylinder revolving one way, while the inside Cylinder or Fan revolves the other; this producing a direct contrary action with each Cylinder which gives the Rags a thorough dusting or Batling; occupies a space of 5 Ft 6 inches long by 6 Ft 6 inches Wide, Driving pulleys 22 × 4 inch face; should run 100 Rev. per minute.



N°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 diameter these teeth are set in the lags so that when revolving the form or spiral or screw motion and the cotten or wool being feed in at one end, is by this spiral motion carried along the Cylinder and delivered at the opposite end, Driving pullies 12 inches in diameter occupies a space of 3 Ft. 6 in long by 6 Ft. 8 inches wide; and should run 450 Revolution per minute.

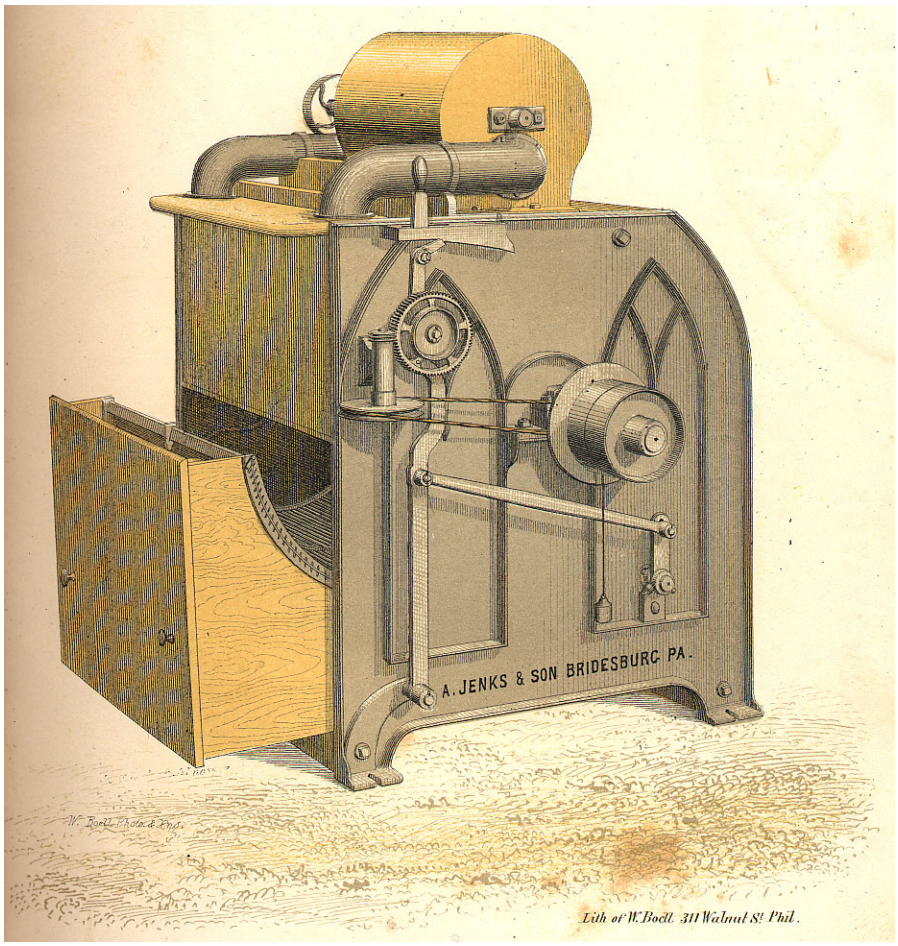


N°5

WOOL RENOVATOR.

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 pullies 8 inches in diam., occupies a space of 3 Feet 4 Inches; long by 5 Feet - in wide; and should run 409. 6 Revolution per minute

$



N.° 6

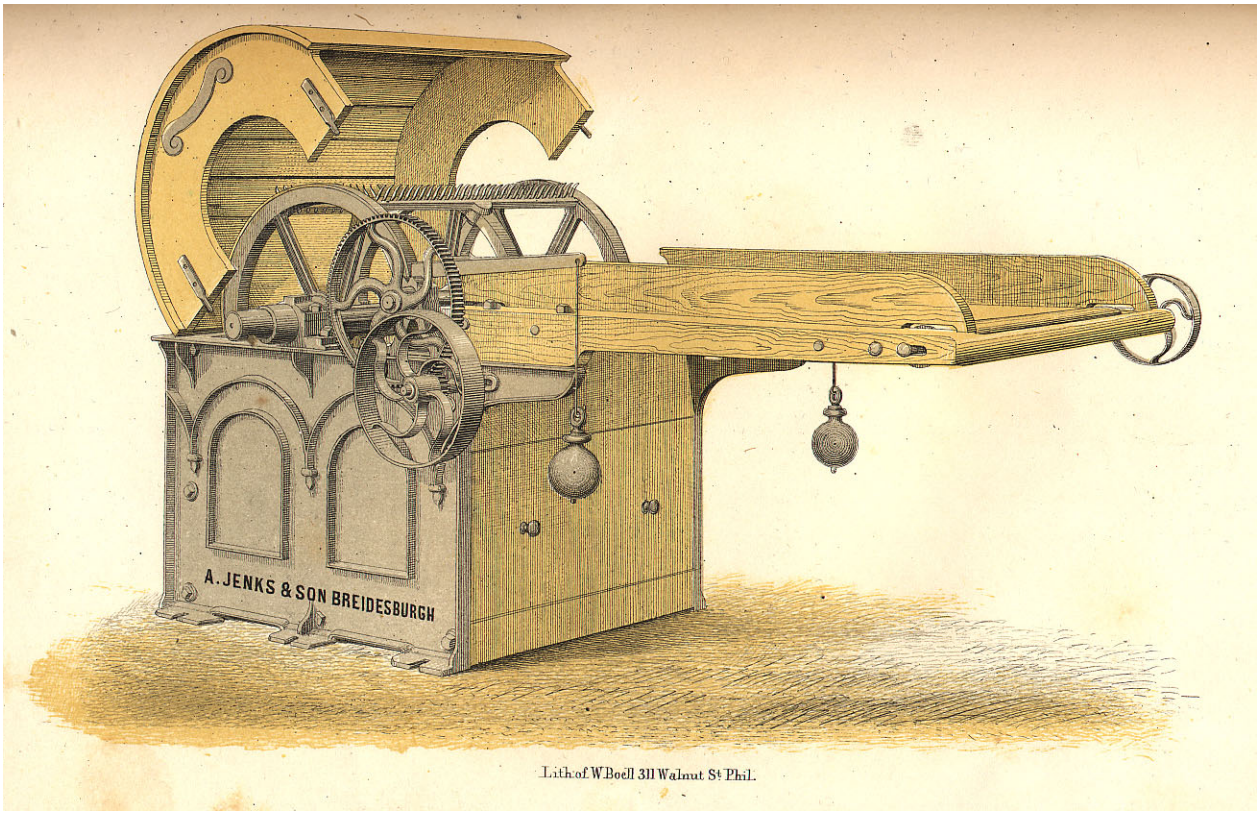
WOOL PICKER.

Cylinder 26½ Inches diameter with cast steel hooked Teeth set in Bridles in wrought Iron Lags. Improved feed Roller and Shell. Driving Pullies 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 " " ..... $



Lith. of W. Boell 311 Walnut St Phil.

N° 7

SINGLE FIRST BREAKER CARD.

Main Cylinder, 42 inches in diameter; Doffer 20 inches in diameter, of Segment Blocks or, Lags Fancy and Lickerin, each 10 inches in diameter; 5 Workers, 6 inches in diameter, 5 Strippers 3 inches in diameter, Fluted Iron Feed Rollers, 3 inches in diametre; Feed Board; With Improved, Pitman Comb motion; Main Cylinder Shaft, 2 7/16 inches in diameter, and driving Pulleys, ?? in diameter, occupies a Space of 11 F°. — In. long by 7 Feet 4 in. wide & should run 130 Rev.ⁿ per minute

60 Inches Wide .....

56 " " .....

51 " " .....

48 " " .....

44 " " .....

40 " " .....

36 " " .....

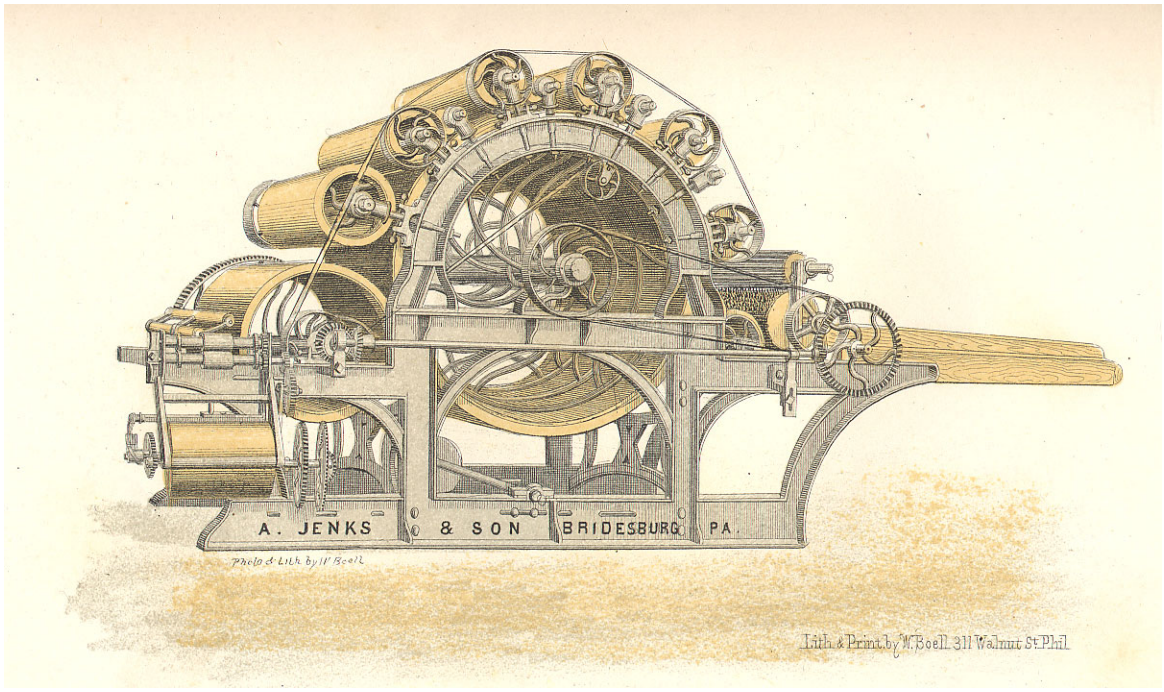
30 " " .....

24 " " .....

Side Condenser, with Improved Gearing .....

Small Stripper under Fancy .....

Slat Apron .....



Lith. & Print. by W. Boell. 311 Walnut St. Phil.

N°8

SINGLE SECOND BREAKER CARD

Main Cylinder 42 inches in diam.r Doffer 20 inches in diameter of Segment Block or Lags, Fancy and Lickerin, each 10 inches in Diameter;

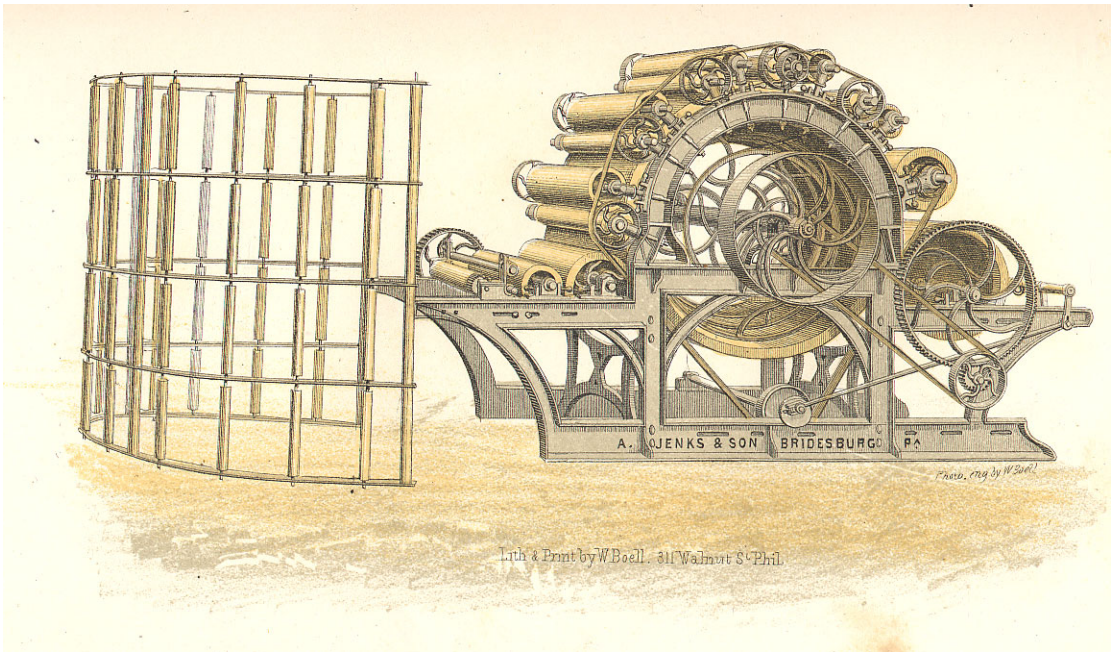
5 Workers, 6 Inches and 5 Strippers 3 inches in diameter, Iron Feed Rollers 1 11/16 inches in Diameter with Improved, Pitman Comb Motion; and finger Rack, Main Cylinder shaft 2 7/16 inches in diameter, driving pulley 22 inches in diameter occupies a space of 14 feet long by 7 Feet 5 In. wide and should run 130 Revolution per minute

60	Inches	wide	$
56	"	"	$
51	"	"	$
48	"	"	$
44	"	"	$
36	"	"	$
30	"	"	$
24	"	"	$

Improved Iron . . . . . $

Tube Rack . . . . . $

Small stripper, under Fancy . . . . . $



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 Doffers each 10 inches in diameter; 4 Bottom and 3 Top Rubber Rollers made of Tin; and all geared together. Feed 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 11/16 inches in Diameter occupies a space 13 Ft. - in. long by 7 Ft. 4 in wide. Main Cylinder, should run 130 Rev.ns per minute

60 inches wide . . . . . $

48 " " " . . . . . $

36 " " " . . . . . $

30 " " " . . . . . $

24 " " " . . . . . $

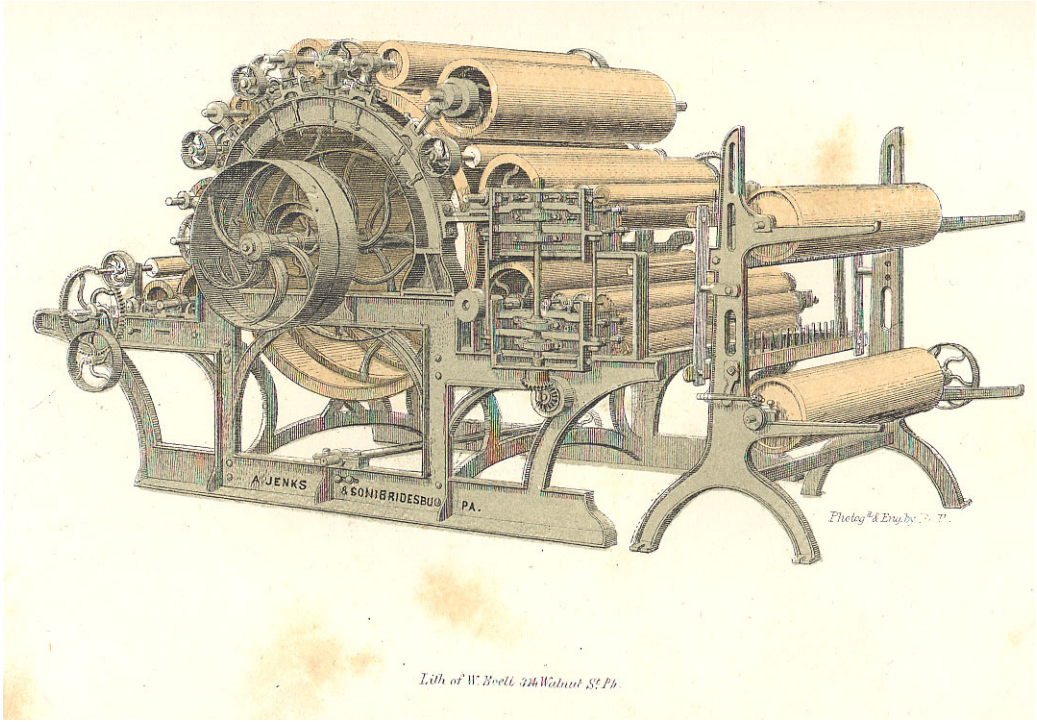
Small stripper under fancy . . . . . $

Tube Rack . . . . . $

Finger Rack . . . . . $

Extra 6 in Lickerin . . . . . $

Iron Creel . . . . . $



Photog.d & Engr.d by P. M.

Lith of W. Boell, 311 Walnut St. Ph.

No 1

SINGLE FIRST BREAKER CARD

Main Cylinder 48 inches in diameter; Doffer 20 inches in Diameter of Segment Blocks or Lags; Fancy & Licker in each 10 inches in diameter; 6 Workers, 6 inches in diameter; 6 Strippers 3 inches in diameter Iron Feed Rollers, 1⅝ in diameter Feed Board; With improved Pitman Comb motion; Main Cylinder Shaft 2 7/16 inches in diameter, and Driving Pulleys 22 in diameter occupies a space of 11 F.t 6 inches long by 7 F.t 4 in wide & should run 110 revolution per minute

60 inches Wide ..... $

48 ..... $

40 ..... $

36 ..... $

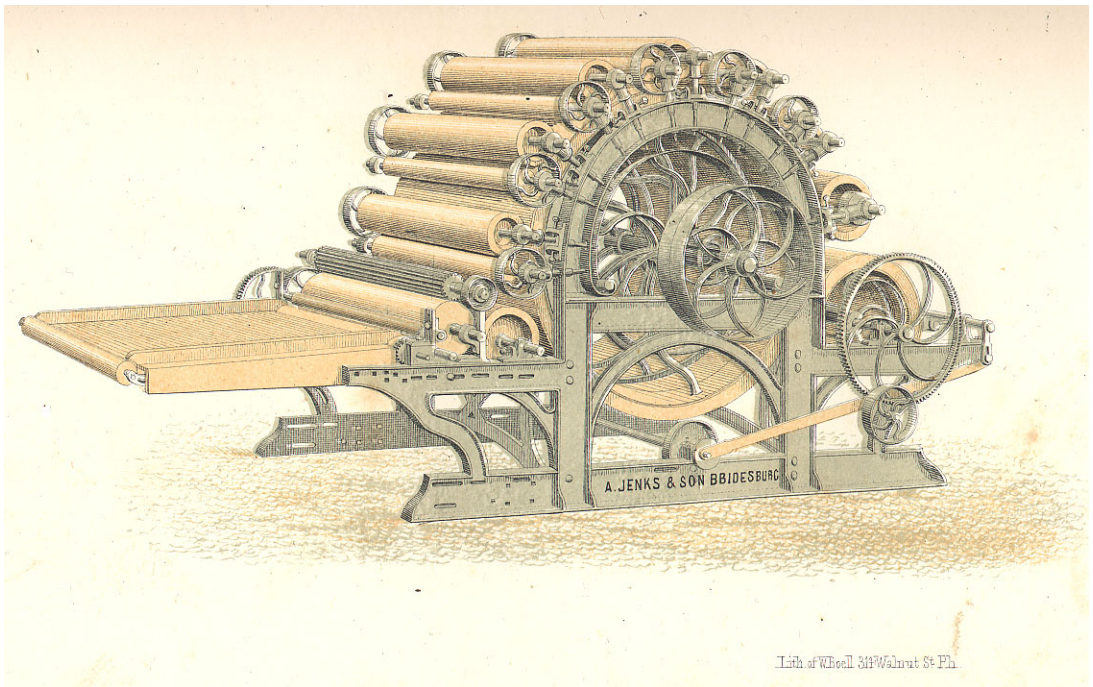
30 ..... $

Side Condenser with Improved Gearing ..... $

Small Stripper & Fancy ..... $

Slat open ..... $

Metallic Burring Machine, & Gas pipe Guard ..... $



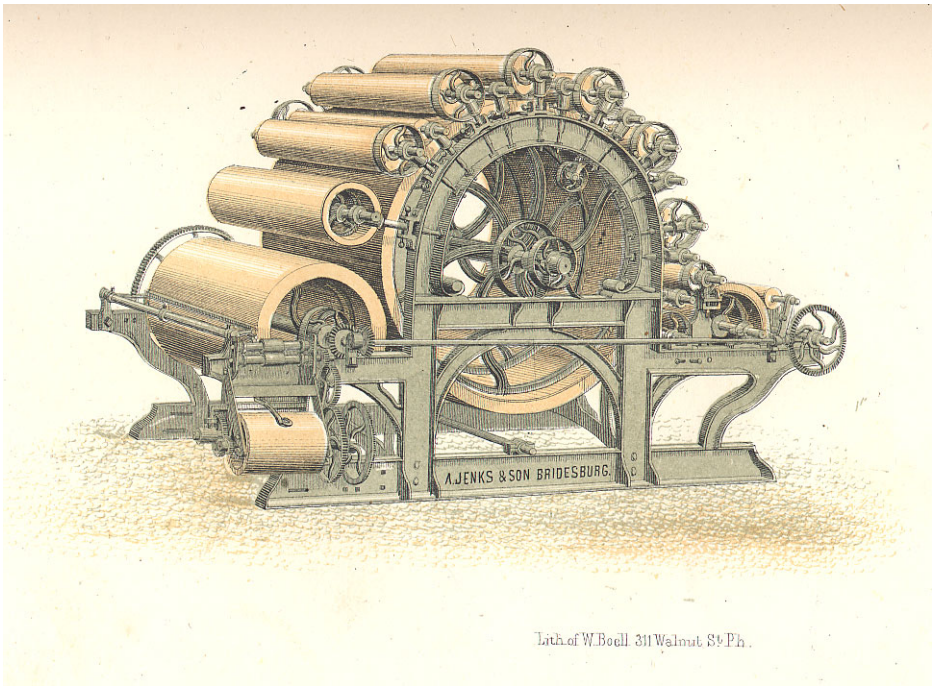
Lith. of W. Bell 317 Walnut St. Phila.

N°11.

SINGLE SECOND BREAKER CARD.

Main Cylinder 48 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 11/16 inches diameter, Finger Rack Improved Comb pitman motion Driving pulley 22 inches diam.r and should run 110 Rev. per minute occupies a space of 11 feet 6 in by 7 Ft. 5 in. wide

60 in wide ..... $
48 " " ..... $
40 " " ..... $
36 " " ..... $
30 " " ..... $



Lith. of W. Boell 311 Walnut St. Ph.

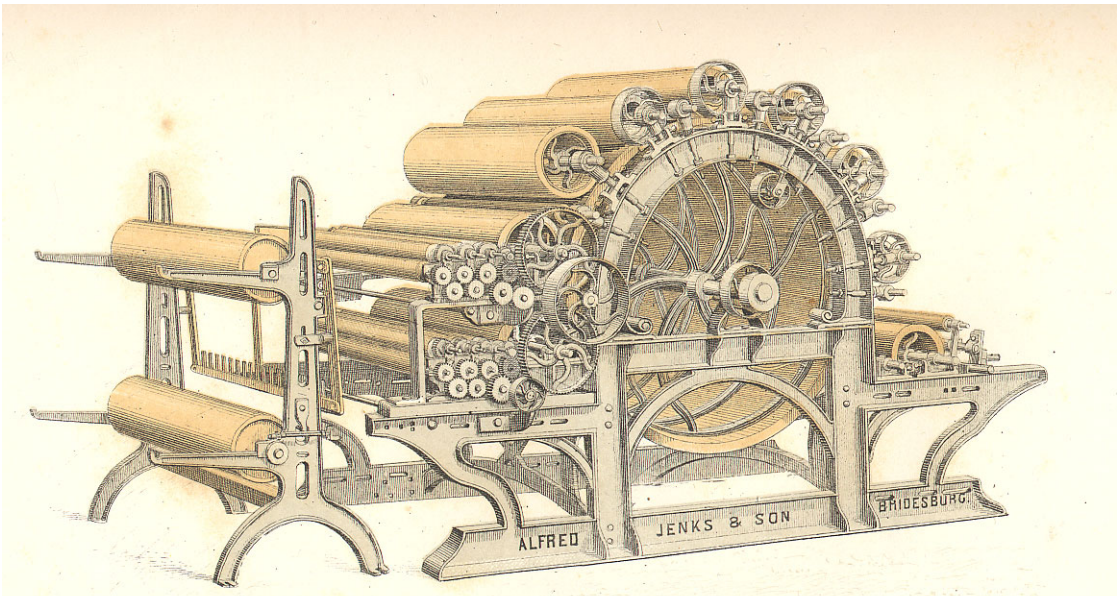
N°12

SINGLE WOOL FINISHER CARD.

Main Cylinder 48 Inches in Diameter, Lickerin and Fancy, each 10 Inchs in Diameter: 5 Workers, 6 Inches in Diameter 5 Strippers 3 Inches in Diam; with 2 Condensing Doffers, each 10 Inches in Diameter; 4 Bottom, and 3 Top Rubber Rollers, made of Tin; and all geared together; and Vibrating Feed 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 1/16 Inches in Diameter, occupies a space of 13 Feet 6 Inches long by 7 Feet 4 Inches wide. Main Cylinder, should run 110 Revolutions per minute.

60 inches wide .....
48 " .....
40 " .....
36 " .....
30 " .....

Small Stripper under Fancy .....
Tube Rack .....
Finger Rack .....
Extra 6 in Licker in .....
Iron Creel .....



Lith. of W. Boell, 311 Walnut St. Ph.

N°13

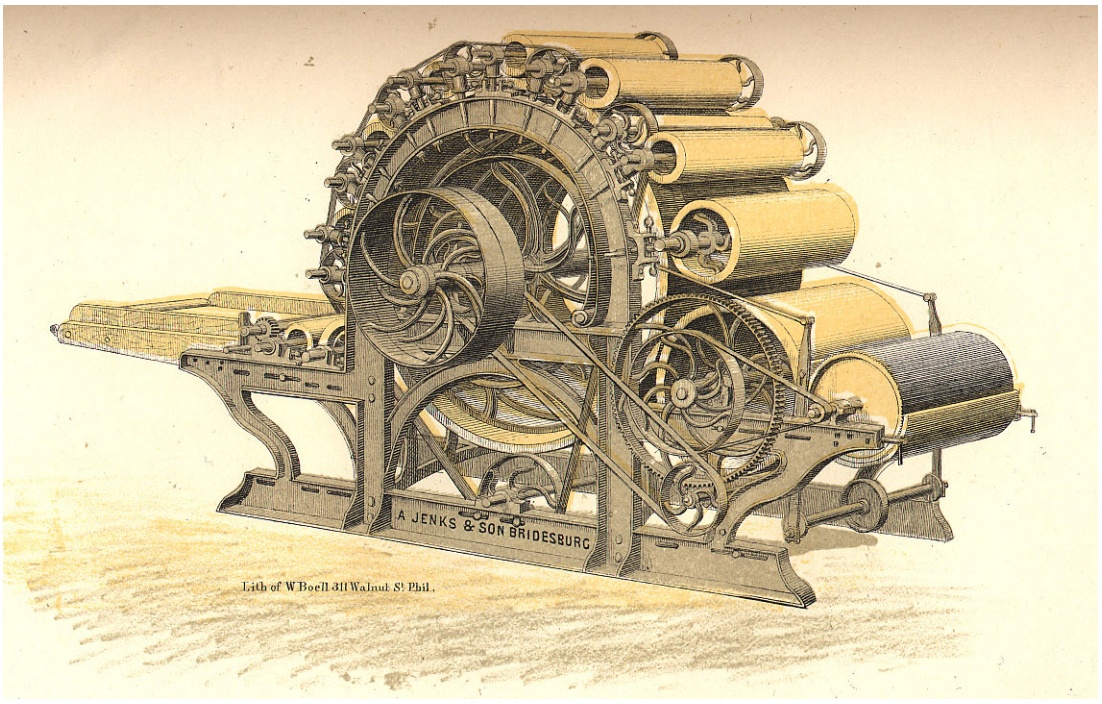
SINGLE ROLL CARD.

Main Cylinder 42 Inches Diameter, and Doffer 20 Inches diam.r of segment Blocks or Lags, with Fancy and Licker-in each 10 Inch diam; 5 Workers 6 in diam. 5 Strippers 3 in diameter with plain Iron feed Rollers 1 3/16 in diameter, and feed board.

This card has been constructed with particular regard to the want of Country 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 Card; Driving pulley 22 x 4 Inches face; Main Cylinder should run 125 Rev. per minute, occupies a space of 11 Feet 6 Inches long, by 7 Feet 4 inches wide.

24 in. Wide ..... $

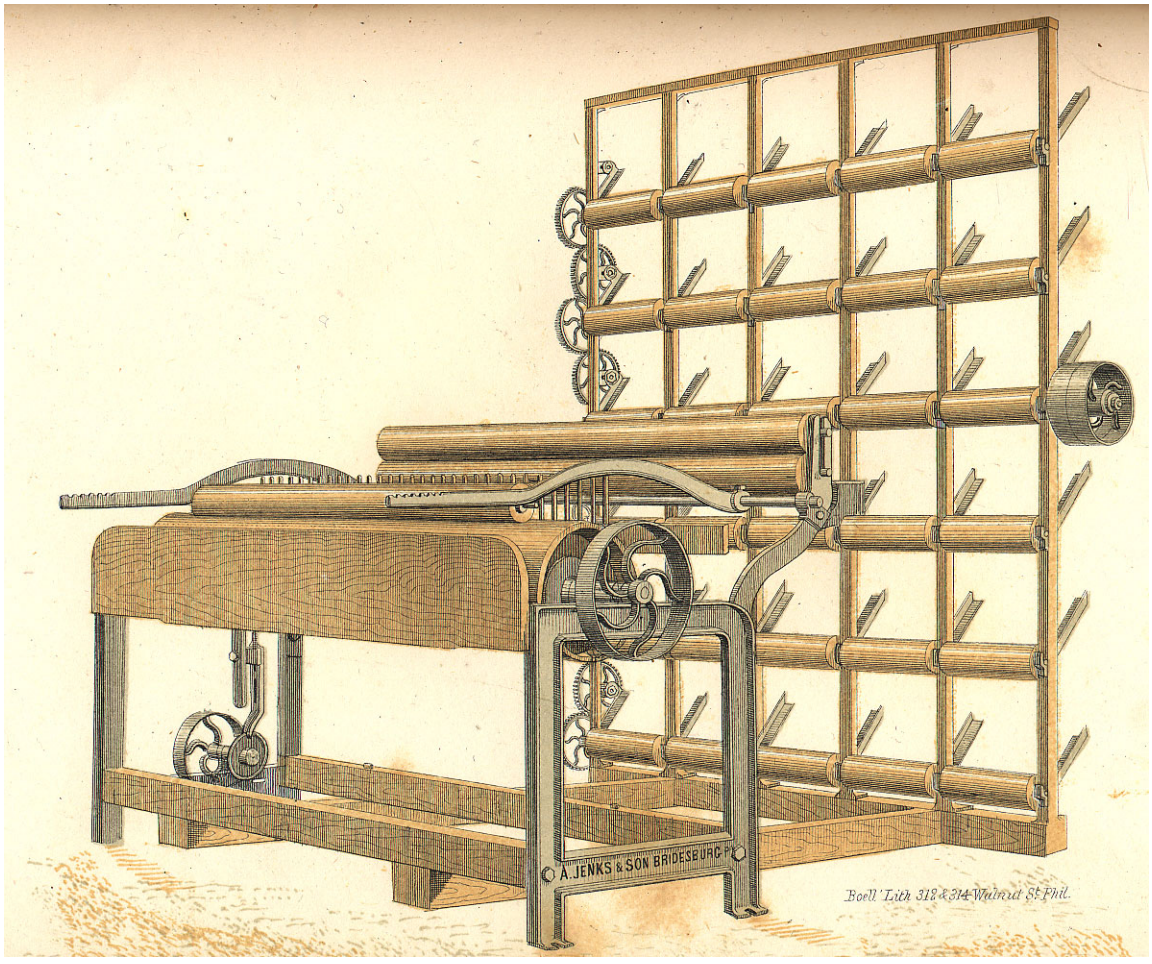
51 in. Wide ..... $



N°14

SPOOLING MACHINE FOR FEEDING WOOL CARDS

30 Drams 4 inches diameter in the Creel to take in side condenser spools, Drum 10 in diameter with adjustable arms. to take in Card spools for different width of Cards, Machine 7 Ft wide by 6 Ft 4 inches long. Driving pullies 9 in diameter and should run revol[ts] per minute



No 15

BURRING MACHINE.

Two Burr Cylinders running in contact making a Carding point and Streightening 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 Rev.ts per minute Arranged to attach to first Breaker Cards

For 40 in Card ..... $

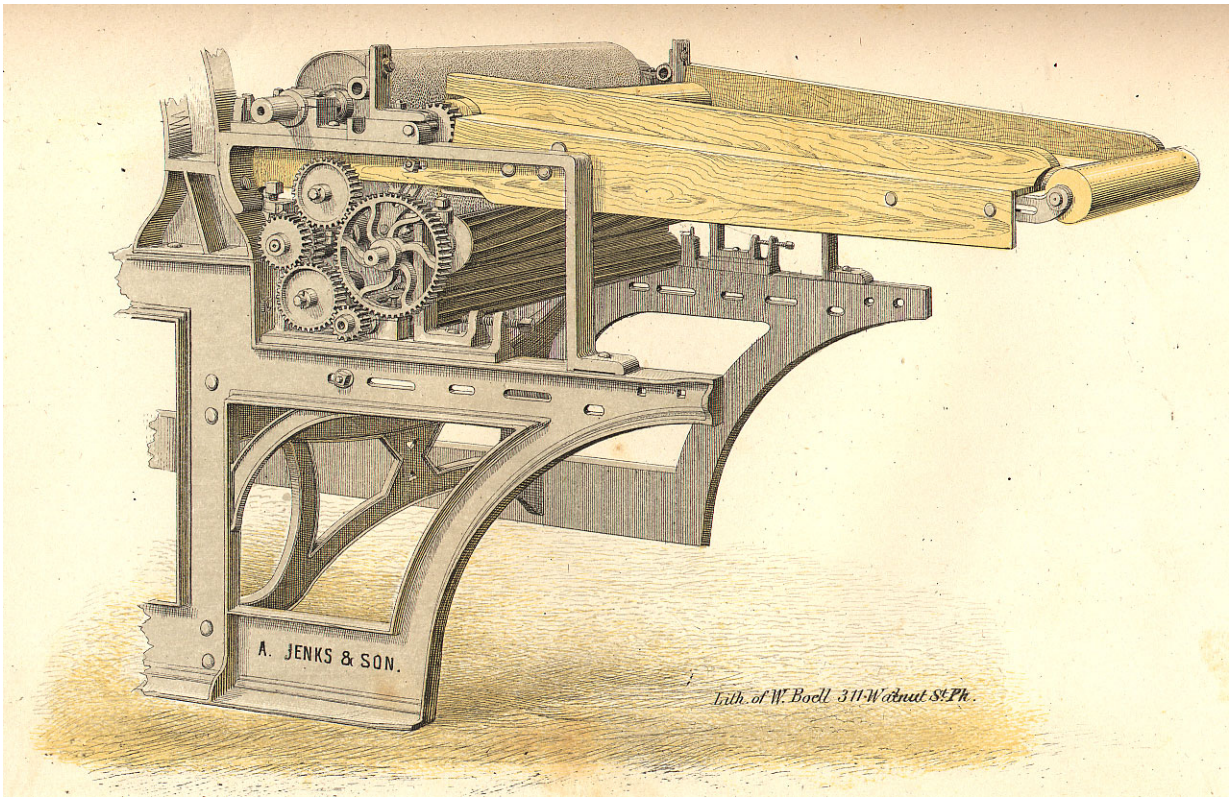
$

48 in do $

$

$

60 in do $

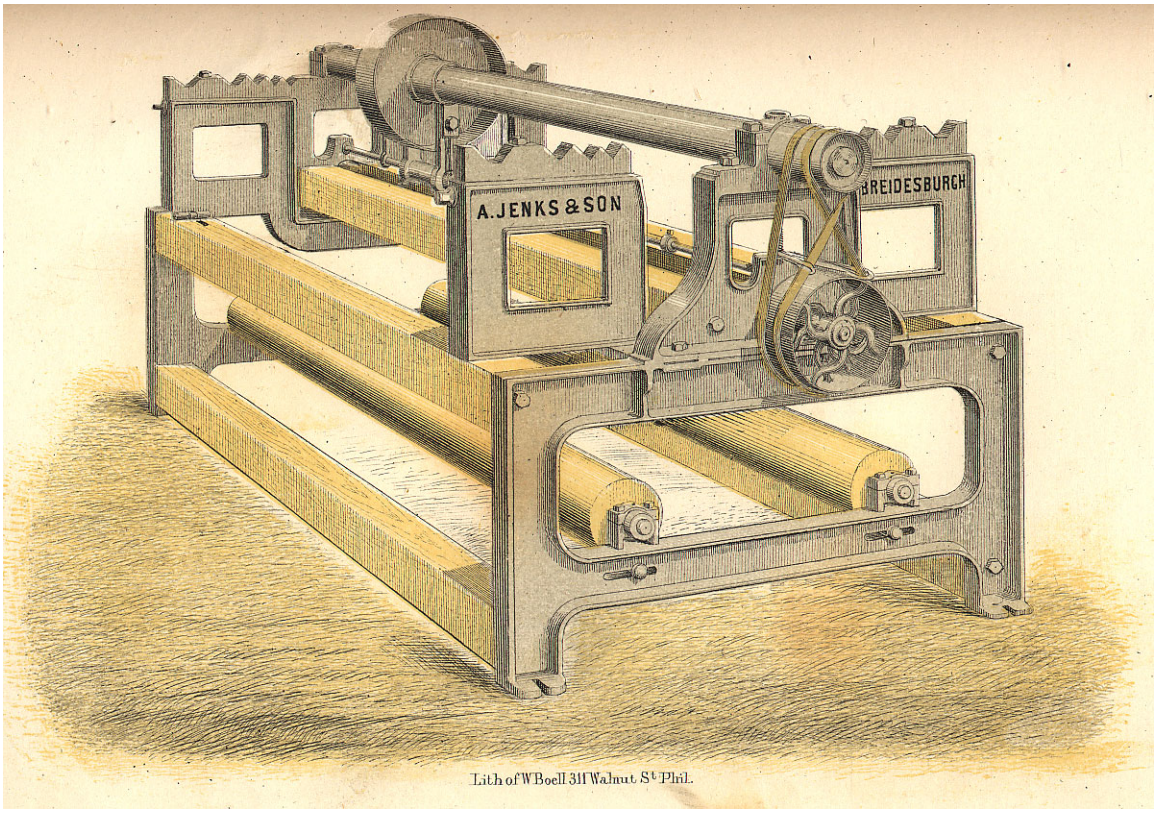


N°16

TRAVERSE GRINDER.

Grinding pully 12 in diameter 4 in face; pulley shaft 2¾ in diameter with improved adjustable reverse motion; Driving pullies 12 inches diameter & should run 100 Rev. per minute a 48 in machine occupies a space of 7 Feet 3 Inch by 3 feet — in wide

30 in. ..... $ .....
36 ..... $ .....
40 ..... $ .....
48 ..... $ .....
60 ..... $ .....



Lith of W Boell 31 Walnut St Phil.

N°17

WOOLEN MULE

With Iron roller beam and stands; with double speed to spindles, Patent slupping motion for regulating, slubbing Patent friction or Belt motion, to assist the spinner when putting up Improved-Bolsters 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; carriaged cased up back and front Spindles 17 inches long. Tin Cylinder 5 inches in diameter, Squarring 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 Drow Price of Mule Head

To which add the following price for Spindles

Spindle 1 1/2 Inches apt ..... $

„ ..... 1 5/8 ..... „ ..... „ ..... $

„ ..... 1 3/4 ..... „ ..... „ ..... $

„ ..... 1 7/8 ..... „ ..... „ ..... $

„ ..... 2 ..... „ ..... „ ..... $

„ ..... 2 ..... „ ..... „ ..... $