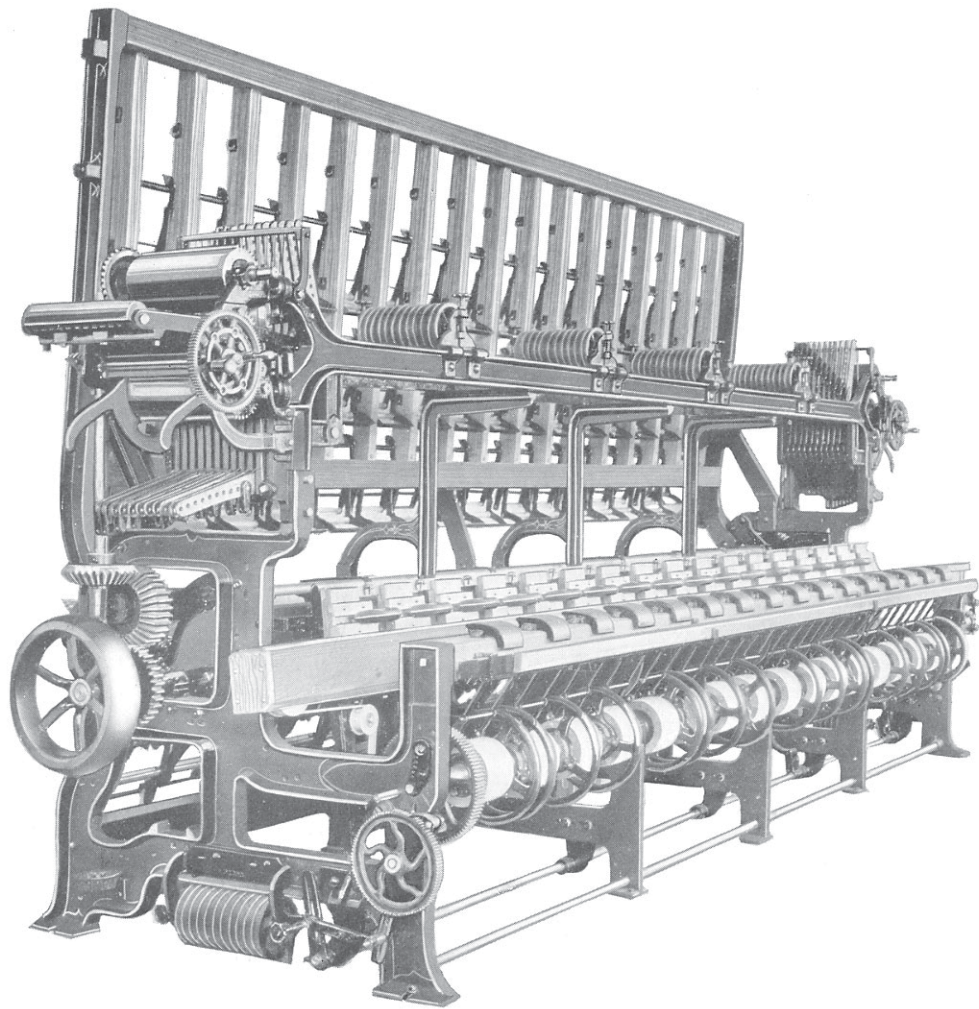


Crompton & Knowles Narrow Fabric Looms



CROMPTON & KNOWLES LOOM WORKS

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CROMPTON & KNOWLES NARROW FABRIC LOOMS

The field covered by narrow fabric looms is very extensive and it will be impossible in this brief space to describe in detail the looms for narrow ware weaving built by the Crompton & Knowles Loom Works, first, because there are so many different base types available and second, because the particular requirements of each mill and the many combinations of parts available prohibit standardization.

In other words we consider this field highly specialized and we therefore confine our efforts to supplying looms which in each case will be particularly adapted to weave the type or range of narrow fabric desired. Whatever your requirements may be Crompton & Knowles Loom Works are in a position to supply the very best in material and workmanship, as well as developments which have resulted from long experience as loom builders and the constant efforts of our engineers toward improvements.

Light Webbing: The field of light non-elastic webbing covers briefly plain and twilled tapes and bindings of various widths requiring a light or medium weight loom with straight, circular, or double deck lay with a varying number of shuttles. Several types of let-offs are available.

Heavy Webbing: These looms are of a somewhat heavier construction than the preceding but they have been carefully designed so that while heavy enough to produce the material they are built for in the most satisfactory manner they are not cumbersome and slow in operation. They will produce a large variety of fabrics of considerable body and tensile strength such as collar fabric, spinning bands, strapping, back bands, and upholstery webbing.

Belting: A still stronger type of loom is available for the heaviest class of fabrics such as brake lining, transmission belting, transmission lining, snubber webbing, asbestos brake lining, etc. These looms may be built with a steel breast beam and back girts, straight wrought iron crank connectors, a single or double Knowles head motion (i. e. one at each end of the loom), or heavy bow jack cam harness motion. Practically any combination that may be required in the way of let-off equipment can be supplied.

Ribbon: The Crompton & Knowles Ribbon Loom is adapted for the economical production of a large variety of both plain and fancy silk ribbons. It embodies many features which are particularly adapted to the weaving of this class of fabric.

Elastic Webbing: The elastic webbing field demands looms to produce plain and fancy fabrics in varying widths. Many of these fabrics embody elaborate designs with sometimes frilled edges and cotton and silk filling in combination.

The circular shuttle loom has in late years become more popular for the production of ordinary elastic webbing. For fancier fabrics using cross-shot or over-shot effects special double straight shuttle lays with suitable shuttle motions to operate them are available.

Labels:

1. Filling Effect

Probably the most elaborate narrow fabrics produced are labels of one form or another which are being used more and more for marking purposes. The best labels are produced by a filling pattern.

For narrow labels requiring only two colors of filling a loom with a 2-bank double deck drop shuttle lay is suitable. Where more than two colors are necessary a double deck lay is not used but we build a lay with any number of shuttles per space which may be required up to five. A very elaborate label can be woven with a 5-bank drop shuttle lay, but we are rarely called upon to build a loom with more than four shuttles per space.

2. Warp Effect

Certain labels may be satisfactorily produced on a plain narrow fabric loom with a warp effect pattern, but the design will not be as clean-cut as the filling effect method.

Novelty Fabrics: There are many novelty fabrics produced in the elastic and non-elastic field for which we can supply special equipment. Many of these fabrics are fancy trimmings requiring the use of a drop shuttle lay if more than one color of filling is desired or a fan reed motion if the width must be varied at intervals. Equipment may be supplied for weaving buttonholes in the fabric.

Harness Motions: Many types of harness motions in various capacities are necessary to cover the narrow fabric field. We are in a position to furnish proper harness motion equipment, either cam, Knowles head, dobbie, or jacquard to meet the requirements of any fabric from the simplest to the most complex.

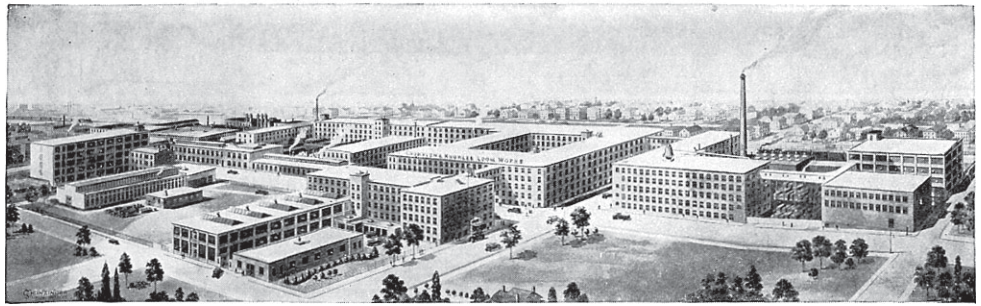
Motor Drive: Practically all of the narrow fabric looms which have been built in recent years have been equipped with an individual motor drive, and we strongly recommend this type of drive where alternating current can be obtained.

The following list covers some of the types of looms and accessory machinery built by Crompton & Knowles Loom Works.

GENERAL			DUCK		
Asbestos	Fly Net	Plush	Flat Duck	Medium Duck	Special Extra
Brocatelle	Hammock	Press Cloth	Light Duck	Heavy Duck	Heavy Duck
Burlap	Heavy Belting	Shawl, Fancy	Intermediate Duck	Extra Heavy Duck	
Cane	Lappet	Sisal Bag			
Curtain	Linen	Upholstery			
Double Shuttle	Linen Crash	Velvet			
Plush	Mohair	Window Shade			
Drapery					
WOOLEN AND WORSTED			CARPET AND RUG		
			Axminster	Fibre Art Square	Paper Carpet
			Brussels	Fibre Carpet	Tapestry
			Chenille	Grass Twine	Wet
			Cocoa Matting	Matting	Wilton
			SILK		
Cassimere	Gem Dress Goods	Jacketing	Broad Silk	Jacquard Silk	Veiling
Clay Twill	Gem Worsted	Satinet			
Dress Goods	Heavy Worsted	Woolen Blanket			
Felt	Intermediate				
Flannel	Worsted				
COTTON			NARROW FABRIC		
			Bandage	Elastic Webbing	Ribbon
			Belting	Non-elastic	Tape
			Brake Lining	Webbing	Wicking
			MISCELLANEOUS		
Bag	Crochet Quilt	Lining	Bobbin Strippers	Narrow Fabric	Narrow Fabric
Cord Fabric	Damask	Marseilles Quilt	Cop Winders	Warpers	Quillers
Corduroy	Denim	Mosquito Netting	Dobbies	Mechanical Warp	Printing Drums
Cotton Blanket	Gingham	Sheeting	Jacquards	Stop Motion	Setting Frames
Cotton, Plain	Handkerchief	Terry Towel			
Cotton Plush	Huck Towel	Tire Fabric			
Coutil	Jean				



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A LOOM FOR EVERY KNOWN WOVEN FABRIC