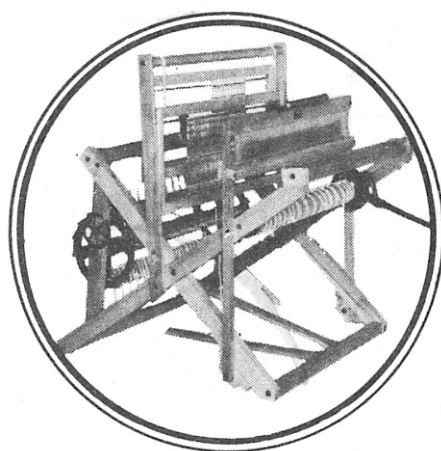


# **LOOMS**

**Weaving Supplies**



**REED LOOM COMPANY**

Springfield, Ohio

## Automatic and Foot-Power Looms

It is with a feeling of great satisfaction that we present to the public our catalog describing, what we believe to be, the most practical line of carpet and rug weaving machinery on the market.

Notwithstanding the introduction of the power loom and all its wonderful possibilities, the hand loom still survives and will continue to do so long as carpets and rugs are used. Schools, colleges and handicraft societies, as well as independent workers, are becoming more interested.

In most every country in the world hand loom weaving still continues. Successful home weaving is carried on in most of the countries, where many women find it necessary to aid in the family support.

There is no doubt as to the superiority of a well made, hand woven article. This is plainly shown if the hand-made and the machine-made articles are compared. Hand-loom weaving, too, is superior to machine weaving if judged by the effect it is likely to have on the worker. The hand weaver is employed in a pleasant, ingenious occupation, which exercises all his faculties, while the attendant on a power loom is engaged in a monotonous toil in which no quality but intense watchfulness is required.

Never before was there such a field for the hand loom as today. The making of rugs from old, worn out Ingrain and Brussels carpets is a large business in itself. The beautiful, artistic rug made from dyed rags, likewise from our Colonial rug filling which we call the "Eureka," is growing to large proportions. These rugs are made by the weavers to harmonize with the furnishings of the room in which they are to be used.

One great advantage of the rag rug and ones made from the "Eureka" filler is that they can be washed, which makes them strictly sanitary.

The old rag carpet is still in vogue, not only in the rural districts, but in the cities. Many artistic designs can be woven on our looms, which makes the old rag carpet still a thing of beauty as well as a thing of durability.

We have not the space to enumerate the many articles and patterns that can be made on our different looms. The weaver easily adapts himself to these many combinations by experience, and in a surprisingly short period he is a master at weaving. We try to give you all the fundamentals regarding the warping and weaving in our instructions for each of our different looms.

## Is Weaving Profitable?

We can truthfully say that it is. We do say that all who purchase looms do not make a success of it. This is the sole fault of the user and not the fault of the loom. The weaving business is like any other business. It is up to the person to get the profits out of it, as the looms have no brains to manage the business for you. We know of no other business that brings in so much on the investment as the making of rugs with our looms.

The beauty about this business is that it is not necessary for you to devote your entire time to it. Of course, the profits depend upon the amount of time that is devoted to it. It will add considerable to any one's income even if they devote only part of their time to it. Another thing in this business is that most of your work comes to you without even soliciting it. You can always grow in the business. Many start with one loom, making rag rugs, rag carpets, etc., then they add on other looms until they have a fully equipped weaving factory.

Many blind people, as well as other afflicted ones, find a profitable business with our looms. Many widows have gratefully thanked us for starting them in the business, which enabled them to make a good, honest living.

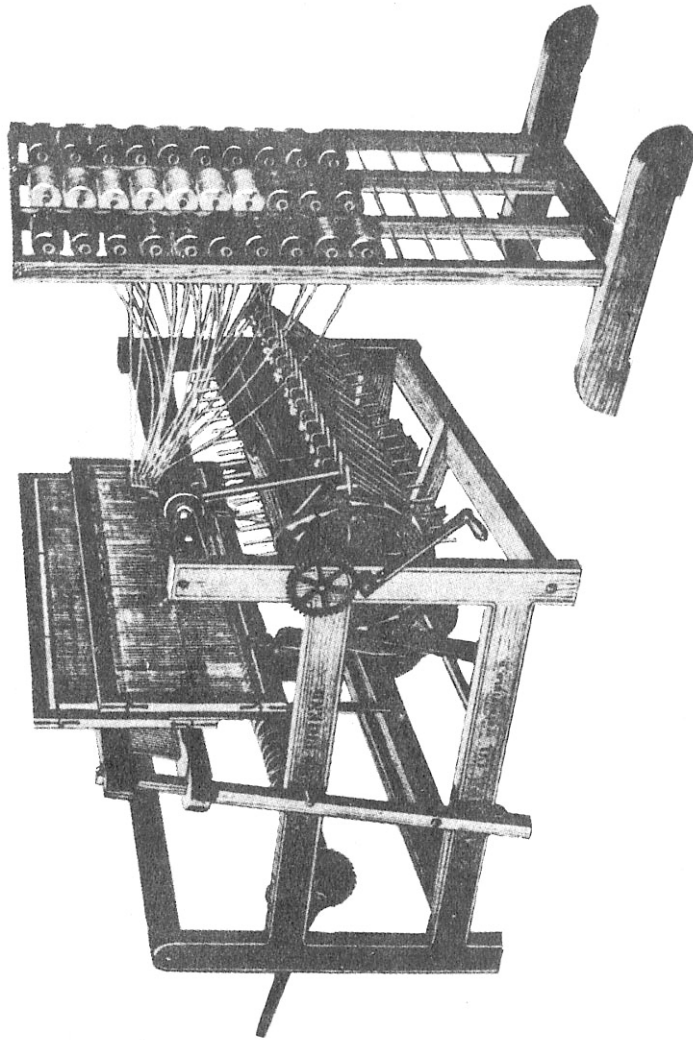
### "Weaver's Friend" Loom

There is not a loom made which has so many friends as our "Weaver's Friend," described on page 3. It is made of the very best sugar or hard maple, well seasoned by air. We usually use lumber which is from two to three years old, so that it is sure to be well seasoned. It is finished in natural color in hard oil and varnish. The frame is neatly striped with dark red paint.

There is used in its construction over 60 pounds of steel and iron, no expense being spared to make it strong and perfect.

The harness frames used on this loom are made of maple  $\frac{1}{8}$  of an inch thick, instead of  $\frac{1}{2}$ , as used on looms of other makes. The heddles are of tough steel, coppered to prevent rusting, and are twelve inches long, instead of 10. The advantage of this is that the warp shed will open an inch wider, giving more room in which to throw the shuttle.

**HARNESS CHANGER.**—This is a very important feature of any loom. Our "Weaver's Friend" has a patented device which has made the loom what it is. The harness frames are operated by four pitmans mounted on a crank shaft, which is driven with a ratchet wheel fastening at the center of the shaft. This wheel is operated by a set of two steel pawls fastened to the lay at the bottom. One stroke of the lay will rotate



**"WEAVER'S FRIEND" LOOM, PRICE, COMPLETE, \$70.00**  
Dimensions—Width, 52 in. Length, 50 in.—Height, 46 in. Weight set up, 300 lbs.

the shaft  $\frac{1}{4}$  turn and two strokes a  $\frac{1}{2}$  turn, which is sufficient to change the harness. By taking two strokes to change the harness it only takes half the power, as most weavers desire to beat the carpet or rug two times. This feature is what has won so many friends for the loom, as it makes it so easy to operate.

(Please do not confuse our loom with the gas pipe frame made by another manufacturer who has copied our name, and calls it the "Weaver's Friend." Their loom has no automatic harness changer, but foot treadles instead. We can furnish a loom of this style for \$45.00 [the Ideal], described on page (5.)

There is a positive tension on the warp beam which enables one to weave tight and firmer carpet than where a strap tension is used. In order to save time this loom is supplied with a foot trip to release the tension, so that the weaver can bring new warp into position and wind up the woven rug in a very few seconds.

The loom is put together with machine bolts, the joints being mortised and tenoned.

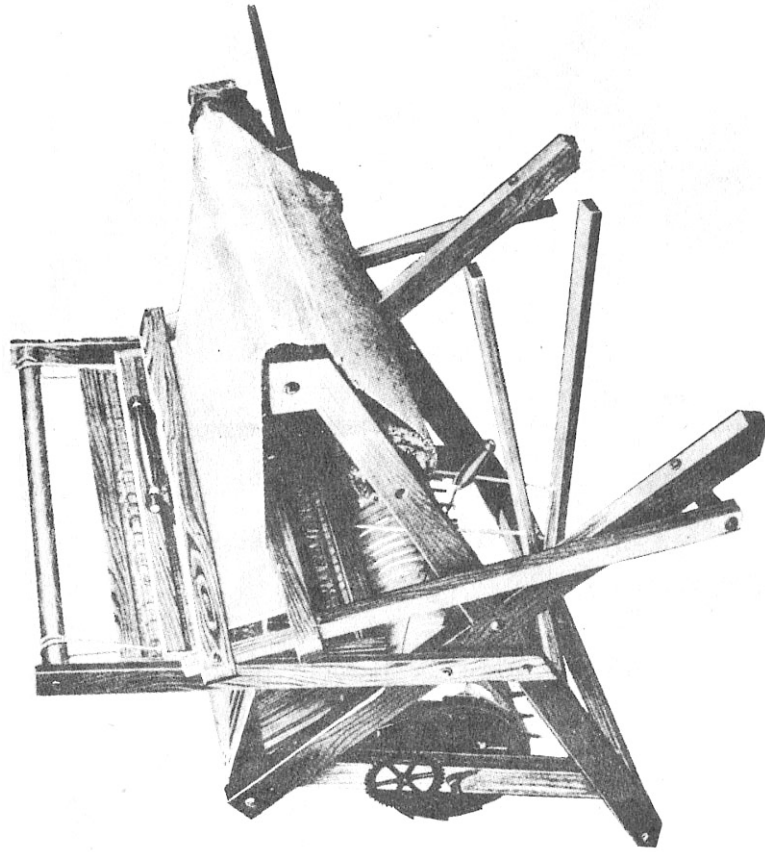
Remember, the "Weaver's Friend" is an automatic loom, and we guarantee it to be first-class in every particular, and as represented, or your money will be refunded. This is a Two-Harness loom.

## **Price, \$70.00 Cash**

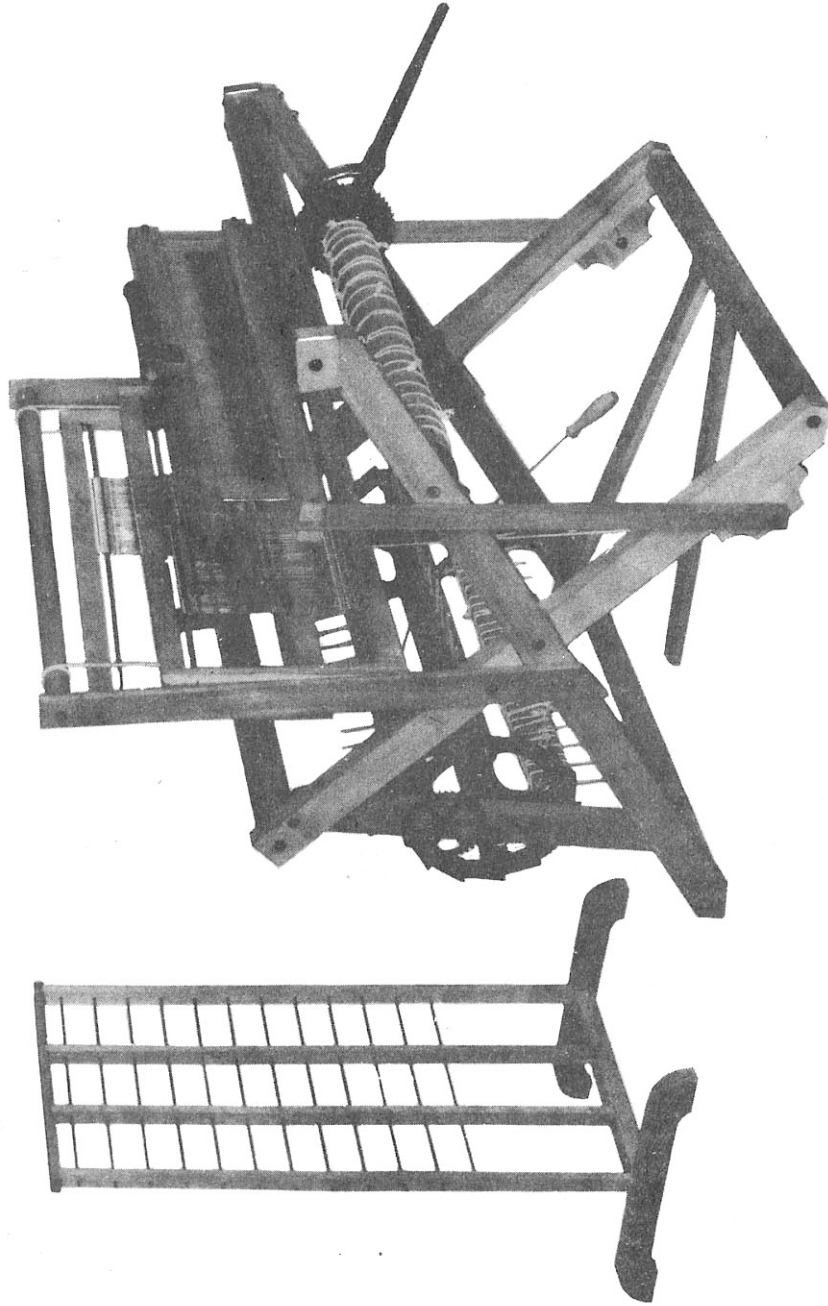
For this price (\$70.00) we send the following outfit, which includes everything needed for all kinds of weaving when spooled warp is used:

One "Weaver's Friend" loom with improved sectional warp beam. One steel reed 46 inches long. Six hundred steel wire heddles. One temple or stretcher. One spool rack with wires to hold 45 spools. Ten No. 1 shuttles. One crank. One reed and heddle hook. Seventeen section clamps. One section reed. Complete instructions for warping and operating loom. One "Manual on Weaving." Complete for weaving with spooled warp, which is now in vogue.

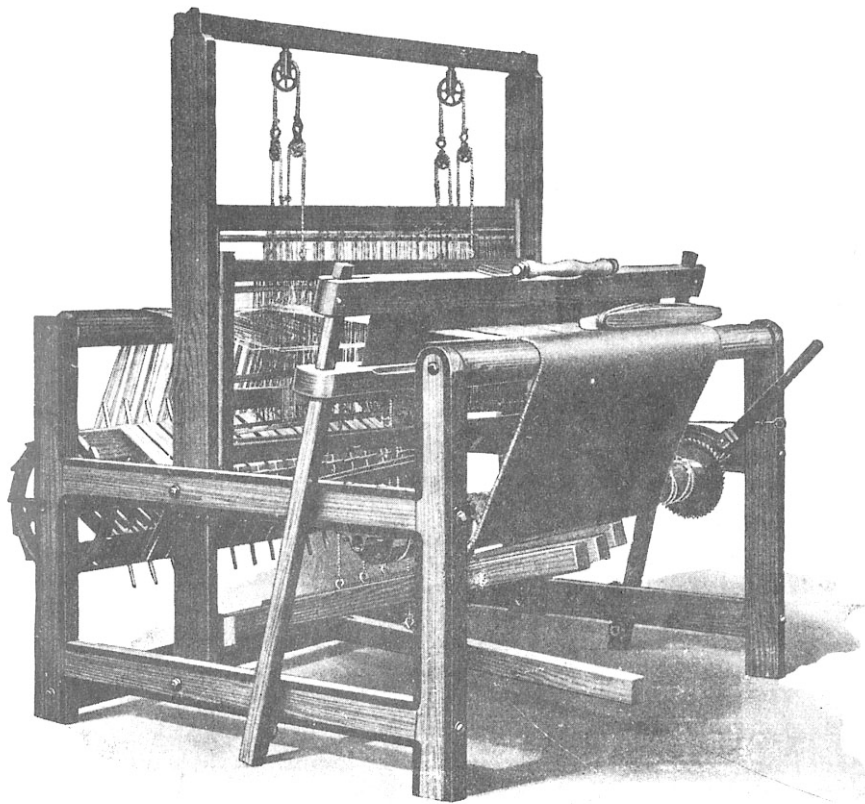
Unless stated by purchaser, we send a No. 12 reed, which is the size usually used for making rag carpets and rag rugs, although a number of weavers use a No. 10. It is always best to specify the number of reed desired in ordering any make of our looms.



**"IDEAL" LOOM WITH COMPLETE WARPING OUTFIT, PRICE \$45.00**  
Dimensions—Width, 42 in. Length, 44 in. Height, 48 in. Weight set up, 200 lbs.



The Loom as shown above is our regular "IDEAL" 2-Harness Loom with foot-treadles hinged to the front instead of the rear



**"CAMBRIDGE" FOUR-HARNESS SIX-TREADLE LOOM**  
Shipping Weight, 275 lbs.



## **"Ideal" Loom**

Owing to a demand for a good loom not quite so expensive as the "Weaver's Friend," we were led to design and build the "Ideal" loom, as shown in cut. Our patented improved warp beam is supplied with this loom. The loom is made of selected hard maple, oiled and varnished, same as our higher priced loom. It will weave a yard wide. There is nothing about this loom to ever get out of order, and it should last, in constant use, for years.

Instead of the patented automatic device for changing the harness, as is used on the "Weaver's Friend" loom, the harness has to be changed with foot treadles. A person can sit while weaving on this loom, the same as on our other looms, as the carpet beam is not in the way of the knees.

There are a great many pleased users of this loom throughout the country, and if you do not care to invest more than forty-five dollars in a loom you will not go amiss in purchasing the "Ideal."

### **Price \$45.00**

This outfit consists of one "Ideal" loom with improved sectional warp beam. One spool rack with wires to hold 45 spools. One steel reed 40 inches long. Five hundred steel wire heddles. Five No. 1 shuttles. One crank. One temple or stretcher. One reed and heddle hook. Fifteen sectional clamps. One sectional reed. Complete instructions for warping and operating loom. One "Manual on Weaving." Complete for weaving with spooled warp.

## **"Cambridge" Four-Harness Foot-Treadle Loom**

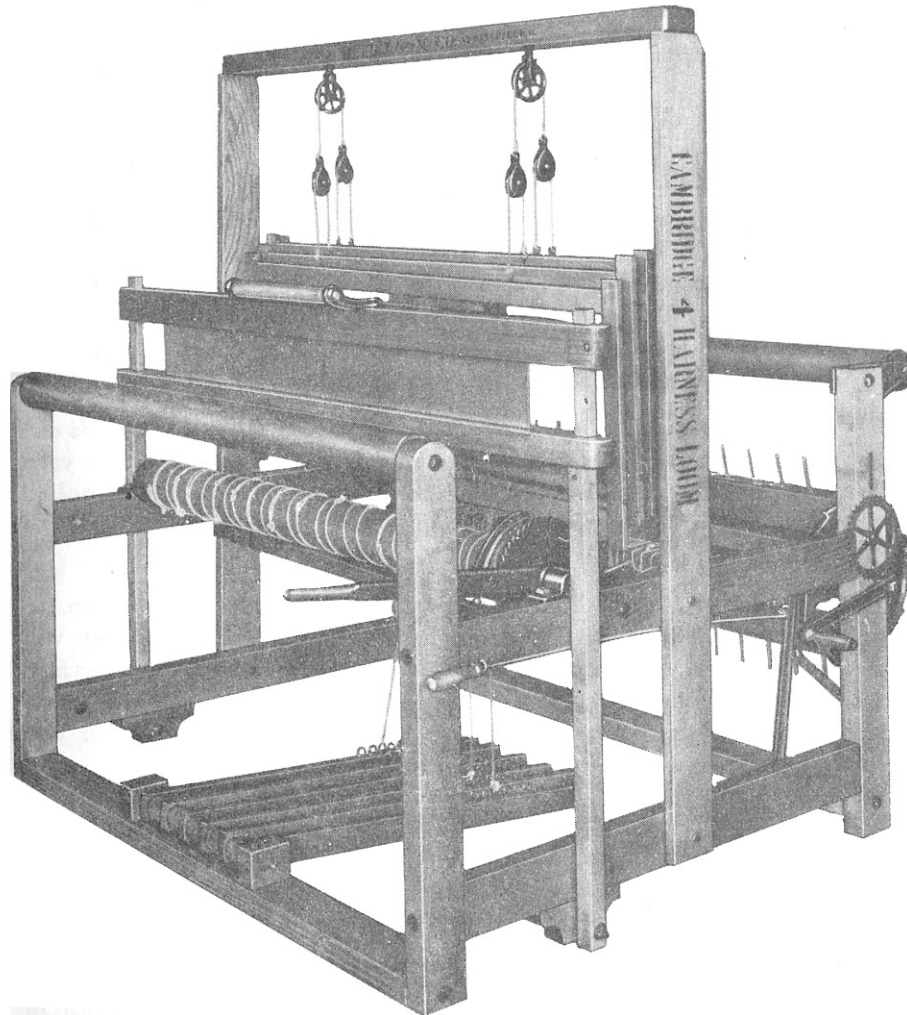
The "Cambridge" Four-Harness Foot-Treadle loom is our latest production. This loom is similar to the Swedish looms, although it is made over our regular patterns, having our Improved Warp Beam and Spool Rack, such as are used on our other looms. It also has our heavy, substantial wooden frame, which permits you to do both heavy and light work, as you will notice in the illustrations. This loom is simple in construction and easy to operate. We send No. 15 reed with loom, unless another size is desired.

The loom as shown in the cuts has four treadles. We are now, however, using six treadles as regular equipment. This gives you a wide range of work. The loom has four harnesses and four lamb sticks.

Being a four harness loom, the range of work which can be woven on it is almost inexhaustible. This loom is particularly adapted for individuals, schools, colleges and other like institutions, where they desire to go into more of the complicated and beautiful combinations in weaving, as well as the more simple two-harness weaves.

The "Cambridge" loom is made in one size only, to weave up to 42 inches in width, \$65.00 Complete for weaving with spooled warp.

The "Cambridge" loom is particularly adapted for teaching weaving in schools and colleges.



**"CAMBRIDGE" FOUR-HARNESS LOOM**  
Shipping Weight, 275 lbs.

We have had numerous calls to have the treadles on the Cambridge Loom hinged to the front of the loom instead of the back, as shown in the illustration above. We can give you either arrangement for the same price, \$65.00. Unless the customer states that he desires the change as shown in the illustration, we will send our regular equipment as pictured in our catalogue.

## Warping Device

The great drawback to beginners has been the difficult problem of learning to warp. Many persons who have been anxious to get started in the weaving business have had to give up the idea simply from fear of learning to warp. With our improved warp beam a person with ordinary intelligence can make a success of the first piece of carpet or rug by following the instructions sent with every loom.

The beam is divided into sections, so that from 30 to 45 threads can be wound on at one time, the beam being large enough so that a yard of warp is put on at one turn of the crank. All of our looms are supplied with a counter, which registers the number of yards put on, so that the same amount will be on all the sections.

The wooden clamps hold the warp of each section in position, so that when it is to be threaded through the heddles and reed they will come in rotation. Because of this it is not necessary to have a lease, as used on the old style warping. The process is so simple that a boy or girl can learn it in a few hours. All that is necessary is for one to be a little careful.

In addition to saving time by our process much space is saved, as it does away entirely with the old style warp reel.

Any width of warp can be put on this beam without any changes being made. We often sell our improved warp beam to parties who have purchased other style make of looms. You can readily see the value of them when weavers are willing to pay an additional price in order to supply their loom with our beam.

Remember we send instructions for each loom.

We have many hundreds of weavers using our looms, as we have made looms since 1904.

## Carpet Warp—Rug Filling

We are wholesale buyers on warp. We sell close to the customer, and it will more than pay you to get our prices before placing your order.

This also applies to our "Eureka Rug Filler."

We sell thousands of pounds of our Warp and Rug Filler to satisfied customers. Prices given on request.

To weave a yard wide a reed should be threaded 38 inches to allow for shrinkage in width. The finished rug or carpet will then be 36 inches. Many weavers prefer to use a coarse reed and put two threads in a space. This is called "double sleyed." Persons who have never had any experience in weaving are at a loss very often to know what reed to order. Unless otherwise specified we will send a No. 12 reed, which carries 456 threads to the yard. This is sufficient to make a good firm carpet or rug, and does not cost as much for warp as the finer reeds.

As stated in Catalog, all of our looms are equipped with our "Patented Sectional Way Beam". With this beam and the spool rack, the outfit sent, is complete for weaving, that is, all you have to buy is the warp and what you desire to weave.

Remember, all prices are F. O. B., Springfield, Ohio.

## Guarantee Under Which Our Looms Are Sold

We guarantee the loom to be in perfect condition when shipped, and just as represented in our catalog, and that it will do all claimed for it.

We guarantee safe delivery, and will replace, free of charge, any breakages.

### EXPLANATION OF WEAVING TERMS

- Beaming**—The process of winding the warp from the spools to the warp beam.  
**Breast Beams**—The front and rear cross rails over which the warp passes from the warp beam to the harnesses, and down over which the carpet passes after it is woven.  
**Carpet Roller**—The beam upon which the carpet is wound.  
**Dent**—One of the divisions of a steel reed.  
**Double Sley**—Putting two warp threads through each dent in reed.  
**Draft**—The plan a weaver follows for threading or warping any pattern or figure.  
**Filling**—The rags, yarn or other material which is interwoven with the warp. Also called weft and woof.  
**Harness**—The combined parts of the heddles, heddle rods and frames which alternately rise and fall to cross the warp.  
**Harness Frame**—A frame for holding the heddles in a loom harness. Also called heddle frame.  
**Heddles**—The twisted wires having an eye in center through which the warp passes from warp beam to reed. Sometimes called harness gear eyes strings.  
**Heddle Rods**—The rods on which the heddles are strung.  
**Lay**—The swinging beam which carries the reed for beating the filling; also called lathe, batten, etc.  
**Lease Rod**—The stick to which the warp is tied when starting a new piece of weaving. Connecting the lease rod and the carpet roll are **lease cords**.  
**Pick**—One throw or start of the shuttle  
**Reed**—That part of the lay which spreads the warp and drives the filling up against the woven fabric; sometimes called sley or comb.  
**Selvage**—The running edge of carpet; also refers to the binding of warp woven in at the beginning and end of a rug to prevent ravelling.  
**Splits**—One of the divisions in a reed; also called dent or splint.  
**Shed**—Opening in the warp through which the shuttle is thrown.  
**Shot**—Each time the shuttle is thrown through the warp shed.  
**Shuttle**—The device which holds and carries the filling through the warp.  
**Shuttle Race**—Same as lathe race, loom race, etc.; the track of the shuttle on the lay.  
**Single Sley**—Putting one warp thread through each dent in a reed. **Half-Sley**—putting a thread through every other dent, and so on. Also called **threading**.  
**Swift**—A device for holding skeins of warp, yarn or thread.  
**Temple**—A device used to keep pieces from narrowing while weaving.  
**Warp**—That part of the web running lengthwise. Sometimes called chain.  
**Web**—The part that is woven.  
**Weft**—The cross-threads of fabric carried by the shuttle. Also called woof or filler.  
**Warp Beam**—The large roller on loom on which the warp is wound; also called warp roller.

**WOOD CASTINGS AND METAL PARTS USED ON THE  
CAMBRIDGE, WEAVERS FRIEND & IDEAL LOOMS, ETC.**

Large Pulleys for Cambridge.....	each	\$ .40
Awning Pulleys for Cambridge.....	each	.25
Castings for Beater Handle.....	each	.35
Iron Brace for holding Lambs.....	each	.35
Screw Eyes for Heddles, Lambs, etc.....	doz.	.10
Casting L-4 Ratchet Wheel on Carpet Roller.....		2.00
Casting L-5 Collar on Carpet Roller.....		.75
Boxes for holding Carpet Beam.....	each	.50
Lever and Dog for Carpet Beam.....		1.50
Long and Short Hub Ratchet Wheels for Warp Beam.....	each	2.00
Counter Casting for Warp Beam.....		.75
Crank Handle for Warp Beam.....		1.00
Long Stop Pawl for Warp Beam.....		.75
Coil Springs for Pawl.....		.25
Casting L-2 Dog for Carpet Beam Ratchet.....		.35
Casting for Beater Upright on Weavers Friend Loom.....		.35
Ratchet Wheel on Crank Shaft on Weavers Friend Loom.....		2.00
Crank Shaft Casting on Weavers Friend Loom.....		2.00
Casting Holding upper and Lower Pawls.....		1.00
Upper and Lower Steel Pawl.....	each	1.00
Castings for Heddle Frames connecting Pitmans for Weavers Friend Loom.....	each	.35
Steel Rod for Heddle Frame for Weavers Friend Loom.....	each	.35
Slot Casting for Heddle Frame for Weavers Friend Loom.....	each	.50
Casting L-23 and L-24 for Extending Roller over Warp Beam	each	1.00
Rake or Warp Guide.....		1.00
Heddle Rods for Frame, Length up to 50 inches.....	each	.35
10 and 12" Heddle, Steel Copper Coated Wire Heddle....	per 100	.65
10 and 12" Tinned (rust proof) Wire Heddle.....	per 100	.70
Flat Steel Heddles (prices on request.)		
Steel Reeds, 45" long, up to 25 per inch.....	each	3.50
Over 25.....	each	4.50
Spool Rack as used on our looms.....		6.00
Wooden Temple.....		2.50
Wooden Table Skein Reed.....		1.50
Bobbin Shuttle for paper quills.....		1.50
Wooden Pins for Warp Beam.....	doz.	.07 1/2
Heddle Frames used on our Weavers Friend and Ideal Perl Frames (without heddles).....		1.75
Common No. 1 Shuttles.....		.35
2 x 6 Wood Spools.....		.20
Heddle and Reed Hook.....		.35
Wall Spool and Bobbin Winder (metal).....		5.00
Improved Warp Beam (only) complete.....		15.00

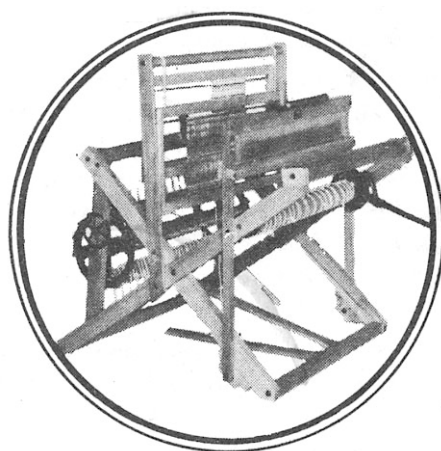
**PRICES F.O.B. SPRINGFIELD, OHIO**

Prices on bolts on application

*most of above prices have  
advanced.*

# **LOOMS**

**Weaving Supplies**



**REED LOOM COMPANY**

Springfield, Ohio