(12) **United States Patent**
Bacon

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(54) **LOOM, CARPET & RUG**

(76) Inventor: **William Bacon**

William S Bacon.

The Models represented in these Letters Patent and
making part of the same containing a description
in the words of the said William Bacon himself
of his improvement in the machine for weaving rugs
and carpeting, Be it known that I William
Bacon of the City and County of Philadelphia and
State of Pennsylvania have invented an improvement
in the machine for weaving rugs & carpeting which
is described as follows. This machine consists of the
following parts, 1st the frame 2nd the beams 3d the
top rail 4th the roller for the yarns 5th the carriage
for the yarns, 6th the shuttles, 7th the pullies for the cords
and yarns, 1st the frame is made of four pieces of scant-
ling about 11 by 5 inches thick and 7 feet long two
at each end. There are also two diagonal braces, one
at each end of the same thickness and about 3 feet long,
These last braces are connected and held together with
the first mentioned pieces by other smaller braces placed
near the bottom of the frame being all mortised and tene-
=oned together to form the frame, Five pieces which
form the bottom of the frame are also as carriage pieces
for the treadles to work on, to be hereafter described.
2nd The beams may be made of any length and thickness
to suit any rug or carpet, In these beams are holes for
inserting a pin for turning them with holes for keep-
ing them tight- the same as weaver's beams.
3d The top rail is placed near the top of the frame over
which the chain passes, It is made of any convenient
size according to the breadth of the beam, 4th the rol-
-lers for the yarns is one inch diameter and from
2 to 3 feet long for one person to work at, There may
be any number of rollers according to the size of the car-
pet

for a due number of persons employed——
5th the carriages for the frame in which the rollers work consist of four pieces two at each end for keeping the frame in a proper direction, are made of one inch board, about 5 inches wide and four feet long,
6th The Shuttles or needles are made similar to common sewing needles one for each colour and one for the filling. 7th The pullies for the needles and frame are five in number. two are placed on the top rail two in the carriage of the frame for the treadles & one on the bottom brace of the frame Operation.
The chain is put on the upper beam in the usual way over the top rail and thro' the frame and needles from thence extended by lines to the cloth beam, the treadles are pushed down, which open the chain and the filling shot in by the needles one thread at once. the plush is then put in by the proper needles one for each colour and worked to any required figure,
For this purpose the figure is first divided in to small squares and the colours are then worked so as to correspond with the squares. In this way a carpet of any size with a border worked in can be made to fit any room, without seam. and to suit the fire places and different recesses of the room. Invention Claimed.
What I Claim as my peculiar invention is the construction of the before described Machine by which rugs and carpets can be worked to any size and figure without seam and to fit any room. For a further illustration of my invention I refer to the model and drawing of the same deposited in the Patent Office. In witness Whereof I have subscribed my name at the City of Washington this 19th day of February A.D. 1839. Witnesses. Wm P Elliot Thos H. Davidson William Bacon