(No Model.)

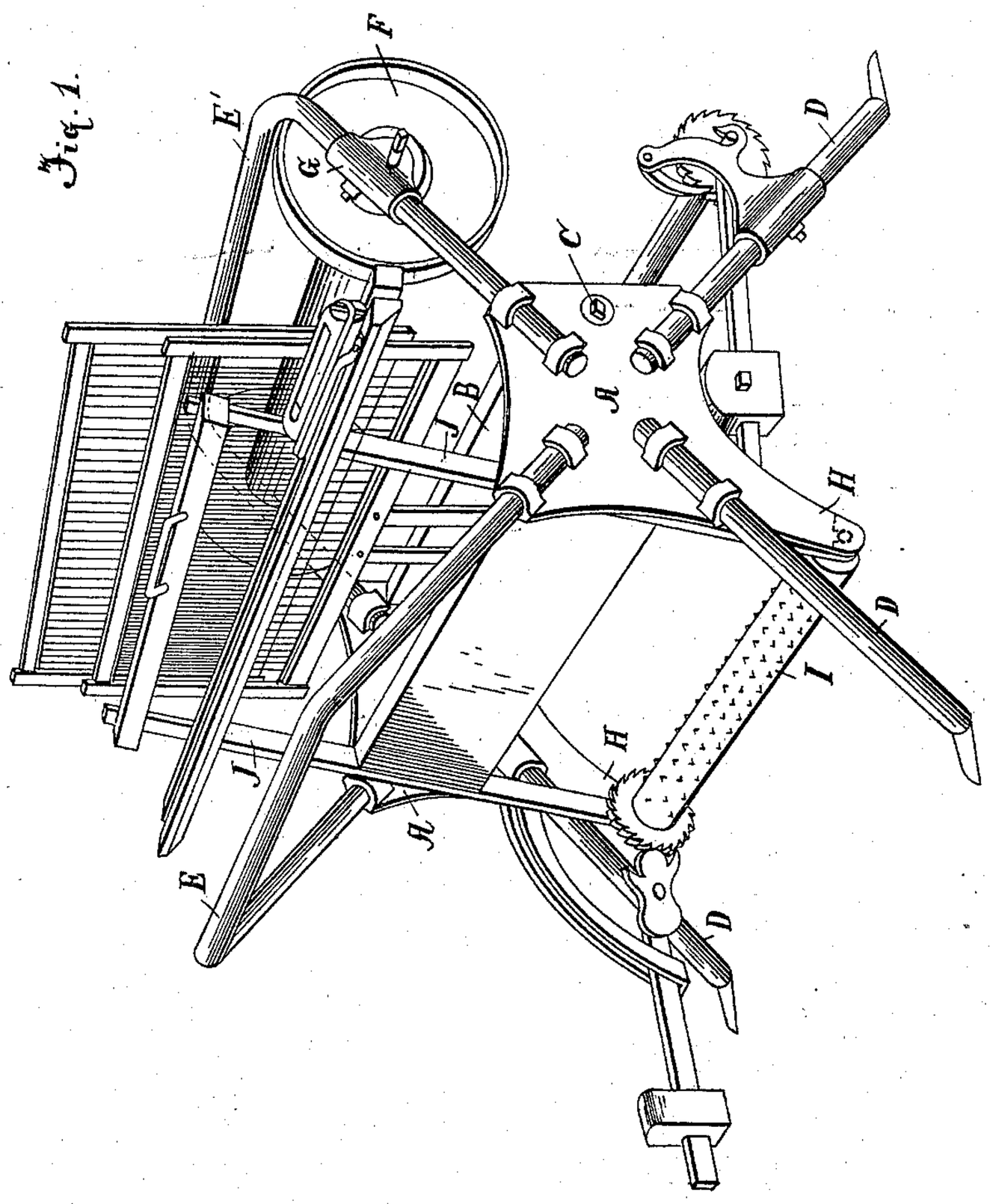
2 Sheets—Sheet 1.

C. N. NEWCOMB.

CARPET LOOM FRAME.

No. 605,507. Patented June 14, 1898.

Fig. 1.



Witnesses

O. Seiffert.

W. H. Reid.

Inventor

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Attorney

(No Model.)

2 Sheets—Sheet 2.

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Fig. 3.

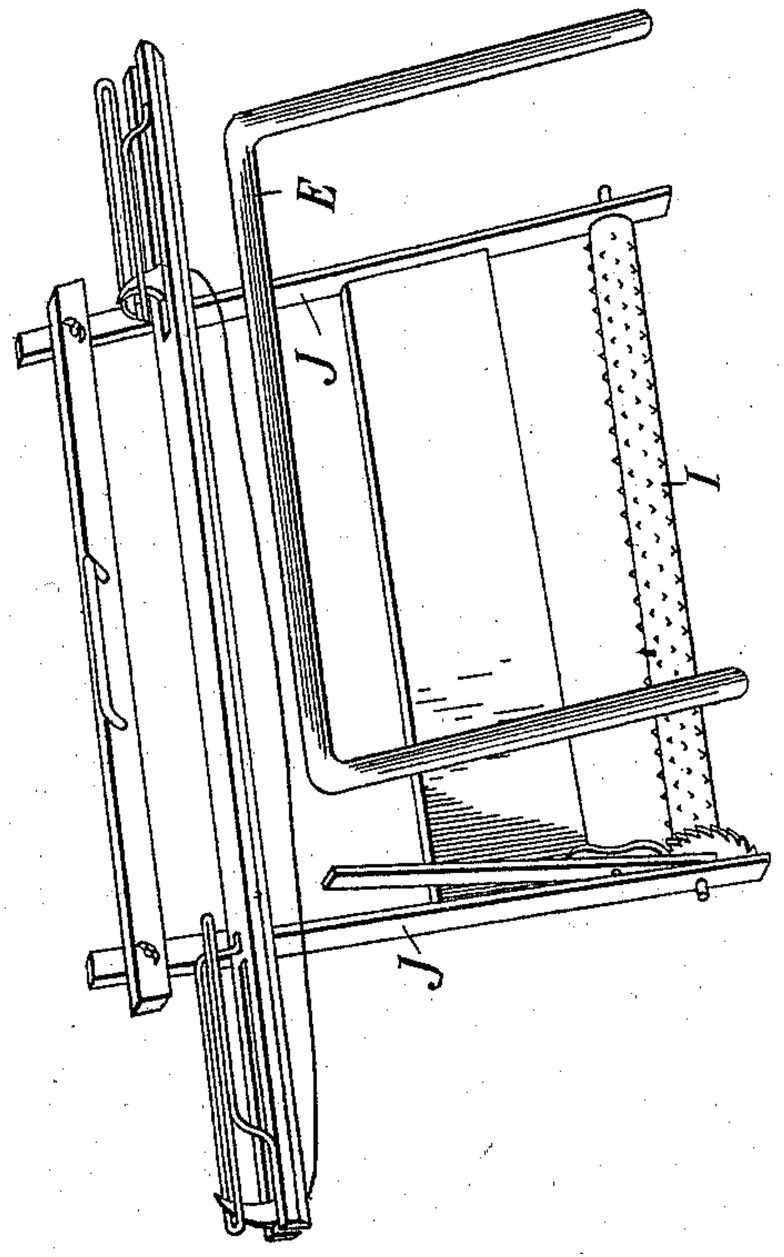
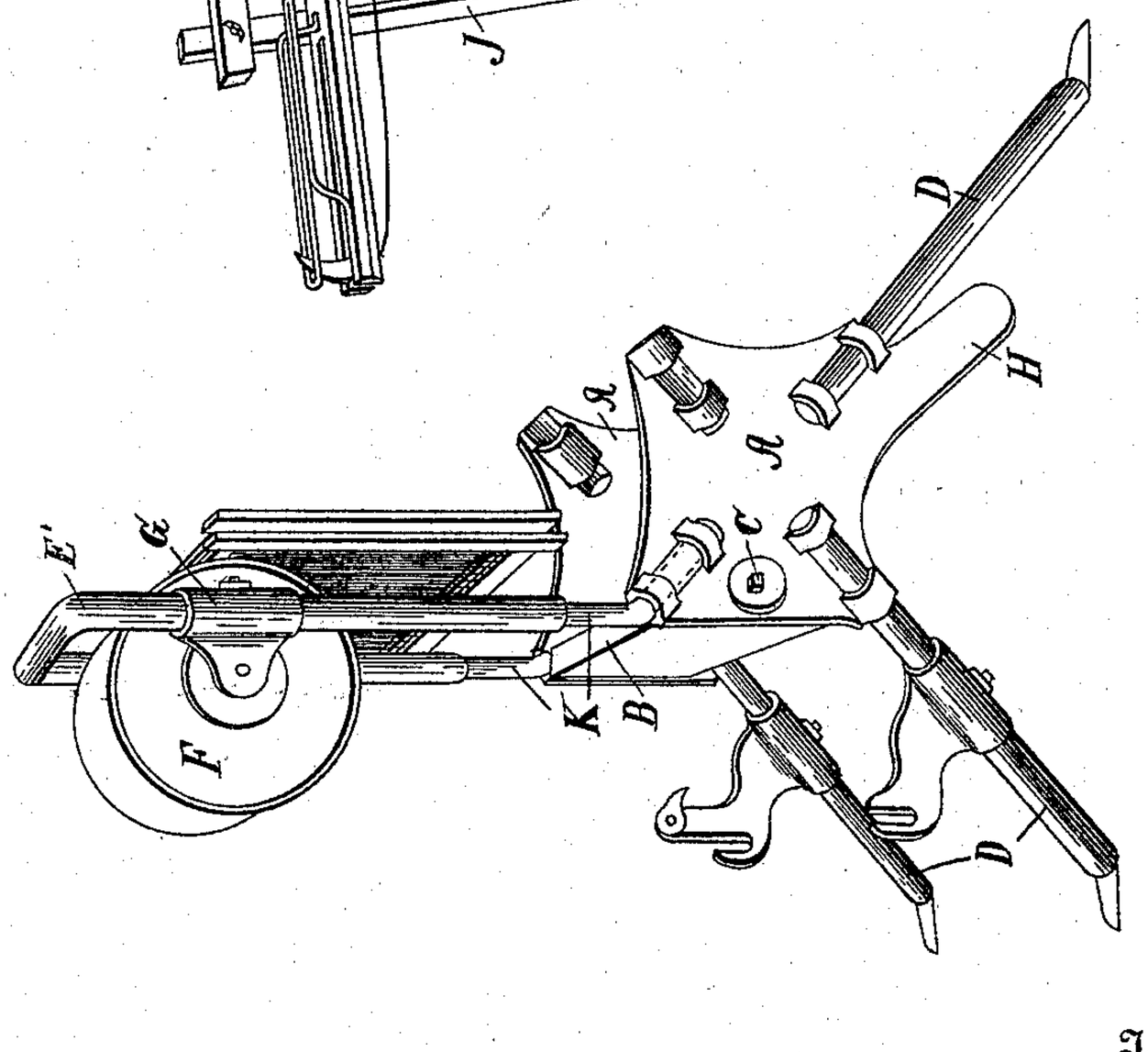


Fig. 2.



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O. Seiffert.
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Inventor
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UNITED STATES PATENT OFFICE.

CHARLES N. NEWCOMB, OF DAVENPORT, IOWA.

CARPET-LOOM FRAME.

SPECIFICATION forming part of Letters Patent No. 605,507, dated June 14, 1898.

Application filed October 2, 1897. Serial No. 653,839. (No model.)

To all whom it may concern:

Be it known that I, CHARLES N. NEWCOMB, a citizen of the United States, residing at Davenport, in the county of Scott and State of Iowa, have invented certain new and useful Improvements in Carpet-Loom Frames; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in carpet-loom frames; and it consists in the end plates or castings provided with sockets to receive both the legs and the front and back beams, the back beam, carrying a warp-roller, being adapted to be removed and to have angle-irons inserted into its ends and into its sockets upon the end plates or castings, whereby the warp-roller is brought close to the harness, so that the warp-threads can be readily passed through.

It also consists in end plates or castings provided with suitable bearings combined with the tension-roller, which is journaled in the bearings, and standards, which form a part of the shuttle-carrying frame and through which the ends of the tension-roller pass, whereby the tension-roller and the shuttle-carrying frame can be removed as one part.

It also consists in the arrangement and combination of parts which will be more fully described hereinafter.

The object of my invention is to provide a frame for carpet-looms which is composed of detachable and changeable parts and so constructed as to carry the various operative parts composing the loom or carpet-making machine.

In the accompanying drawings, Figure 1 is a perspective of a carpet-loom frame which embodies my invention. Fig. 2 is a similar view showing the warp-roller brought close to the harness. Fig. 3 is a perspective of the tension-roller and the warp-carrying frame.

A represents the two end plates or frames provided with suitable sockets to receive the four legs D D, the front beam E, and the back beam E'. Each plate is provided at its lower front corner with an extension H, which has a suitable socket or slot upon its inner side to receive the journal of the tension-roller I. The journals of the roller I pass through the lower ends of the uprights J, which carry at their upper ends a shuttle-carrying frame. These uprights carry the tension-roller and can be removed from the frame as if they were but a single part, and the weight of the shuttle-carrying frame helps to increase the tension of the roller upon the carpet. The front and back beams have only to be lifted out of their sockets to be detached from the end plates.

To the back beam the warp-roller F is secured by suitable castings G, of any suitable construction, and these castings are secured to the beam by means of set-screws or any other suitable fastenings. The beams are made of hollow tubes, and when it is desired to bring the warp-roller close to the harness, so as to facilitate the passing of the warp-threads through it, the back beam is lifted out of its sockets, and then angle-irons K are placed in the sockets and in the ends of the beams, as shown in Fig. 2. The upper ends of these beams extending vertically, the back beam also extends vertically and the warp-roller F is brought close to the harness.

The end plates are connected together by the beam B, preferably of wood, and which is secured to the end plates by means of bolts C, as shown. The legs of the front and back beams being made removable together with the shuttle-carrying frame and the tension-roller, it will be readily seen that the parts can be detached and packed into a very small space for transportation.

The angle-irons K may be provided with holes, so as to limit the distance that they shall pass into the ends of the beams, or they may be secured in position by means of set-screws or any other suitable devices.

Having thus described my invention, I claim—

1. In a loom, end plates provided with sockets, legs to fit in the sockets, said end plates being provided with downward extensions; combined with the standards, a shuttle-frame, and a tension-roller, the tension-roller being

journaled in the extension upon the end plates, and made removable with the standards, substantially as described.

2. In a carpet-loom frame the castings or end plates provided with suitable sockets, combined with the back beam, and the adjustable angle-irons which are inserted into the ends of the beam and the sockets and the warp-roller supports secured to the beam, substantially as set forth.

3. In a carpet-loom frame, the end plates provided with suitable sockets to receive the legs, combined with the removable legs, the shuttle-carrying frame, and the tension-roller journaled in the shuttle-carrying frame; the end plates or castings being provided with slots or sockets which support the roller and the shuttle-carrying frame in position, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CHAS. N. NEWCOMB.

Witnesses:
T. A. MURPHY,
I. C. ANDERSON.