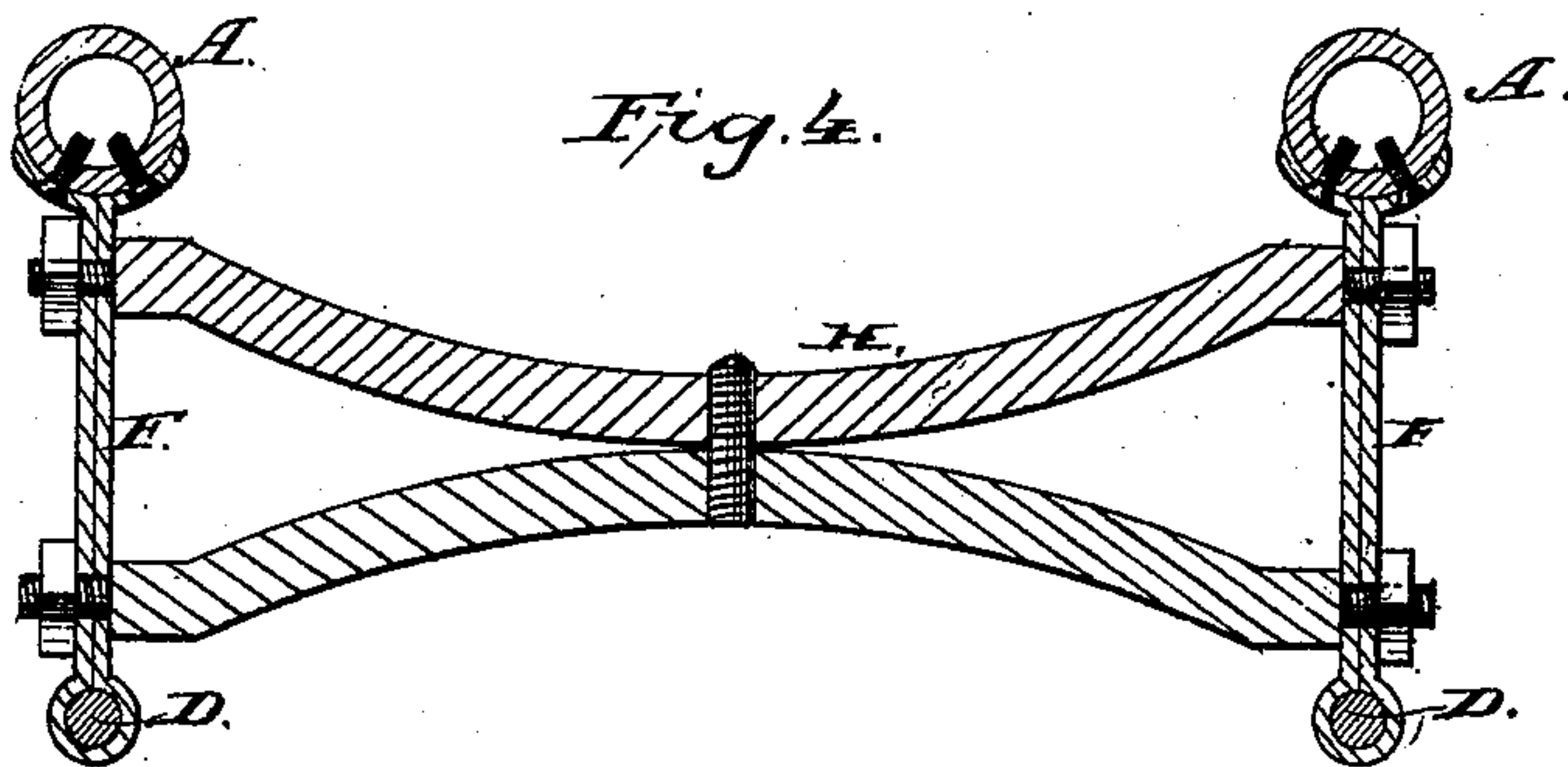
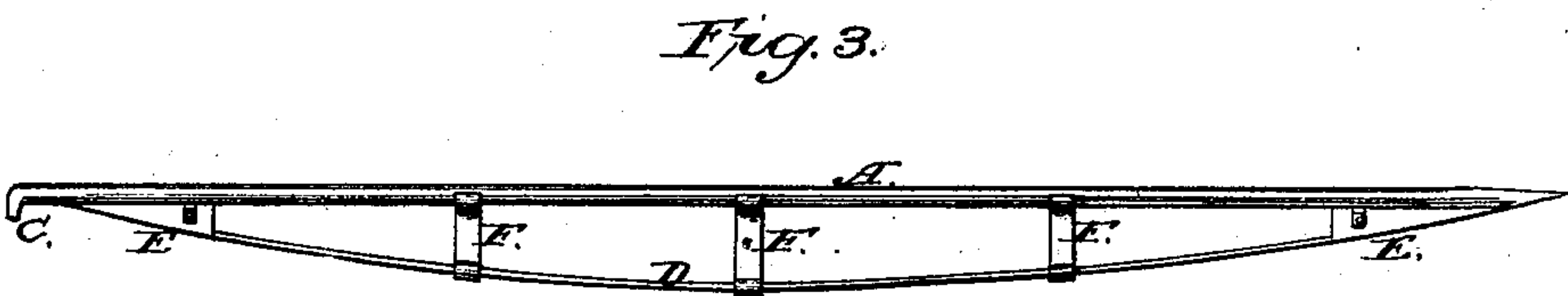
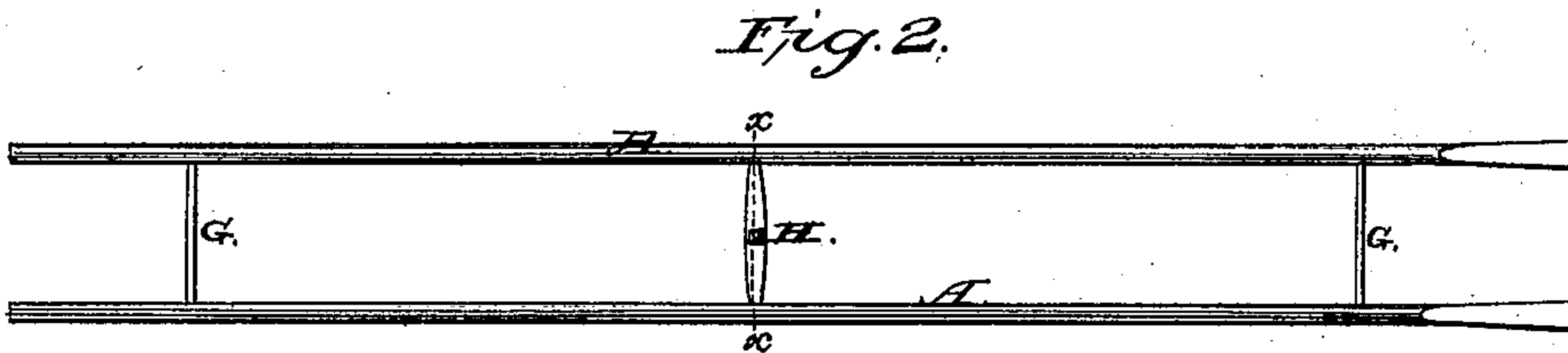
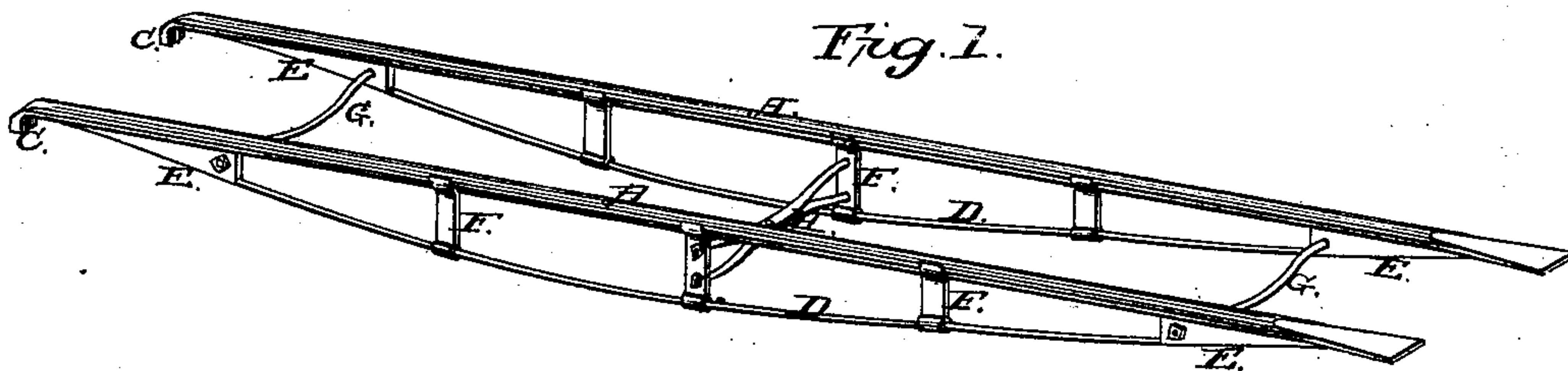


C. A. & J. A. KOEHLER.
Skid.

No. 202,177.

Patented April 9, 1878.



Attest:

Charles J. Hunt
E. T. Sprague

Inventors.

C. A. Koehler
J. A. Koehler
By Atty. J. Sprague

UNITED STATES PATENT OFFICE.

CLARKSON A. KOEHLER AND JAMES A. KOEHLER, OF EAST SAGINAW, MICH.

IMPROVEMENT IN SKIDS.

Specification forming part of Letters Patent No. **202,177**, dated April 9, 1878; application filed February 7, 1878.

To all whom it may concern:

Be it known that we, CLARKSON A. KOEHLER and JAMES A. KOEHLER, of East Saginaw, in the county of Saginaw and State of Michigan, have invented an Improvement in Skids, of which the following is a specification:

The nature of our invention relates to new and useful improvements in the construction of skids, such as usually employed in assisting to unload heavy bodies from a truck to the ground.

The invention consists, as a new article of manufacture, in constructing said skids of metal tubes, with solid ends and trussed, substantially as hereinafter set forth.

Figure 1 is a perspective view of our improved skid. Fig. 2 is a plan view. Fig. 3 is a side elevation, and Fig. 4 is an enlarged vertical cross-section on line *x x* in Figs. 2 and 3.

In the drawing, A represents two metallic tubes of equal length, made solid at both ends, the lower ends tapering to a point, as shown, while the upper ends are formed into the hooks C. A cord, D, is secured to each of these rods A by means of the taper guards E, rigidly secured to each end of the rods A. Intermediate between the ends are placed the struts F, the lower ends of which are sleeved upon the

truss-rods or chords D, while their upper ends are secured to the under side of the rods A by means of suitable shoulders embracing the under side of said rods and bolts or rivets.

The two sides of this device are retained in their proper relation to each other, and at proper distances apart, by means of the curved braces G, fastened as may be desired to the taper guards E, or to the struts F, and by a compound center-brace, H, made forked at each end, and secured to the center struts, as shown, in order to prevent the lower chords from swaying.

Skids constructed in this manner may be made much lighter and are more easily handled than those made of wood and iron, in the usual manner, to sustain like weights, and at the same time more economical.

What we claim as our invention is—

As a new article of manufacture, a metallic skid wherein the pipes or tubes are made with solid ends, and provided with chords, guards, and struts, substantially as described.

CLARKSON A. KOEHLER.
JAMES A. KOEHLER.

Witnesses:

CHAS. F. MARTIN,
JOSEPH D. WILSON.