

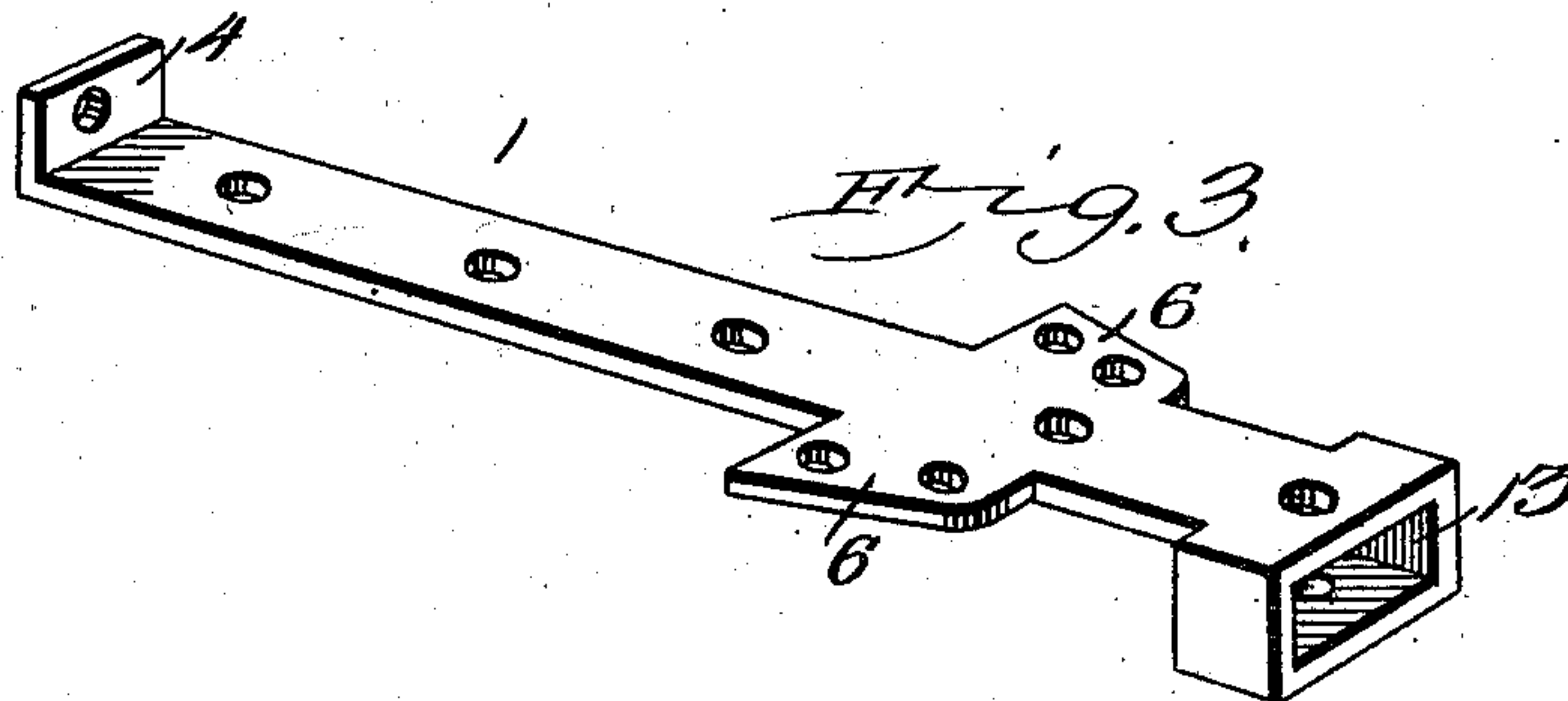
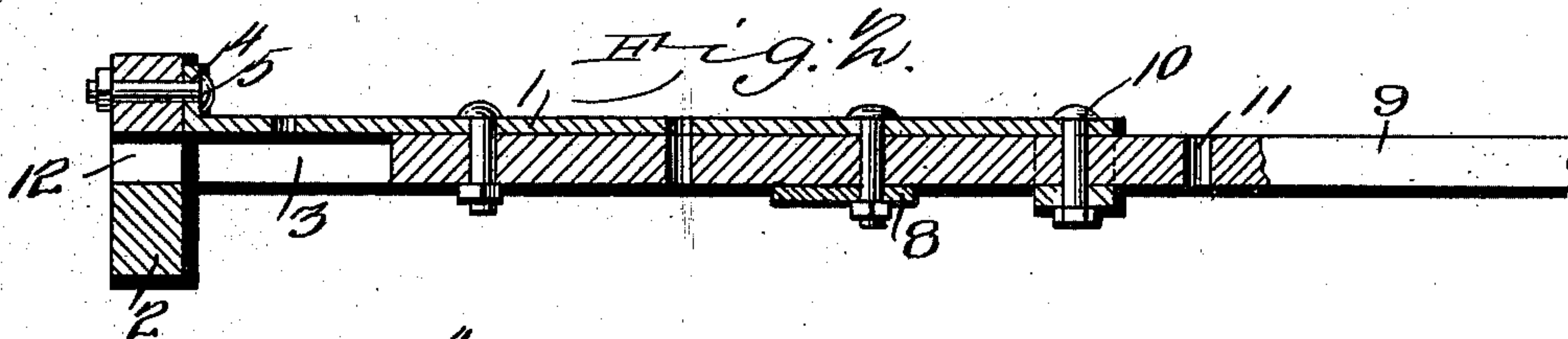
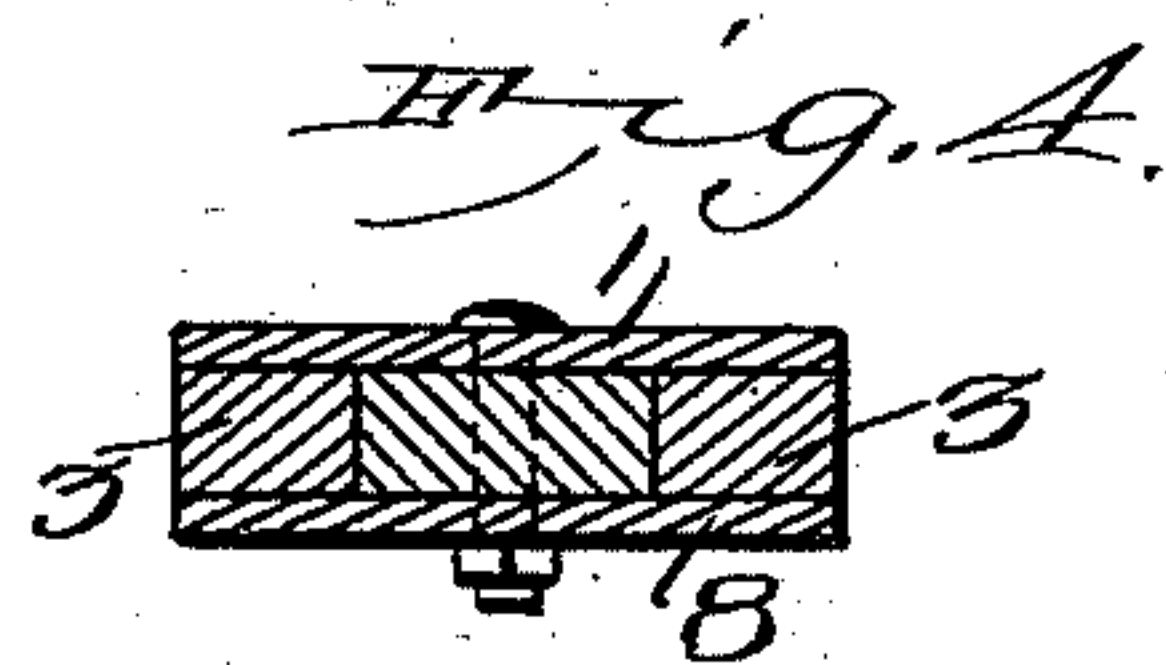
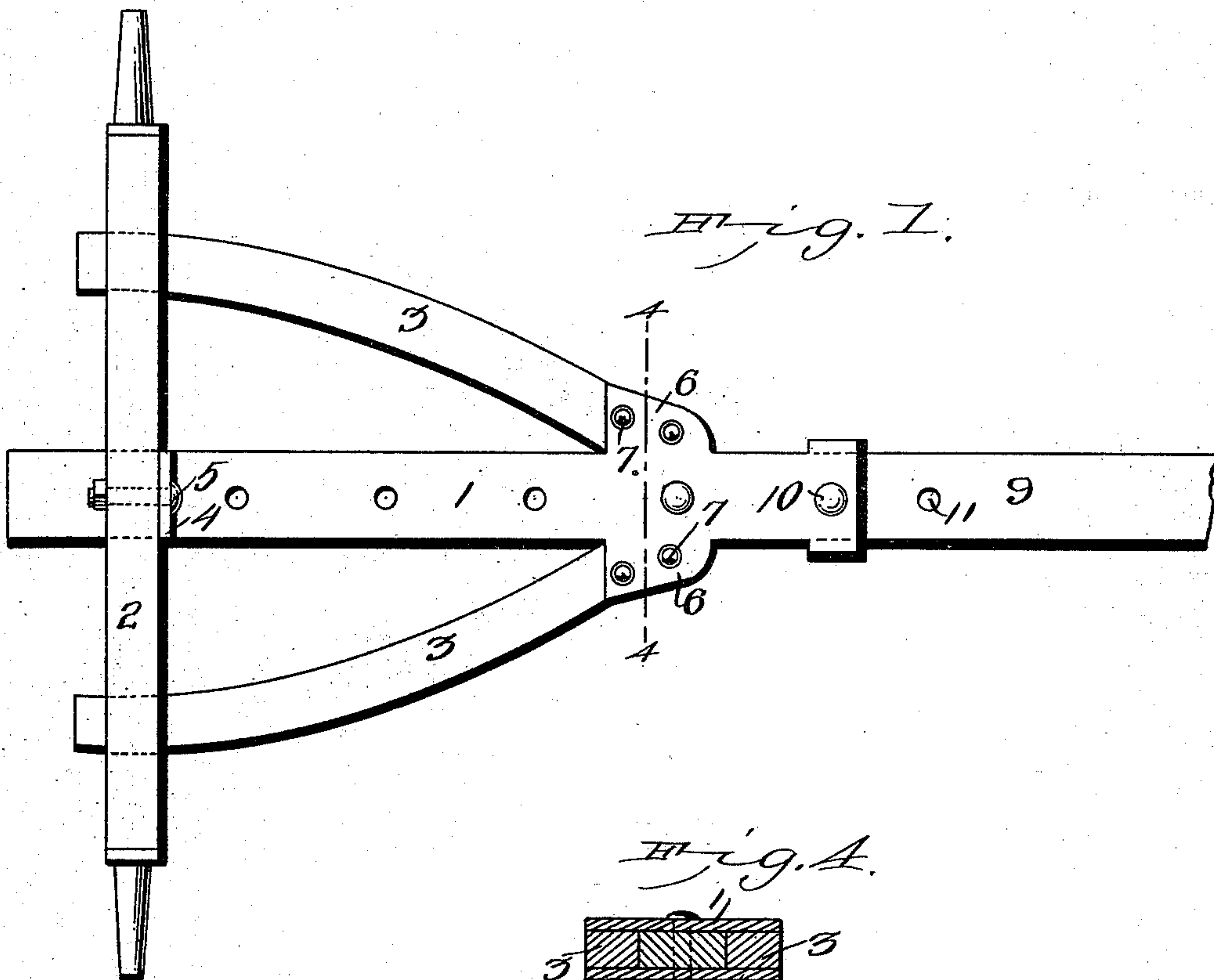
No. 714,563.

Patented Nov. 25, 1902.

A. M. CUSHING.
RUNNING GEAR FOR WAGONS.

(Application filed June 18, 1902.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

AUGUSTUS M. CUSHING, OF MINONK, ILLINOIS.

RUNNING-GEAR FOR WAGONS.

SPECIFICATION forming part of Letters Patent No. 714,563, dated November 25, 1902.

Application filed June 18, 1902. Serial No. 112,210. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS M. CUSHING, a citizen of the United States, residing at Minonk, in the county of Woodford and State of Illinois, have invented a new and useful Running-Gear for Wagons, of which the following is a specification.

The invention relates to improvements in running-gear for wagons.

10 The object of the present invention is to improve the construction of running-gear for wagons and to provide a simple and comparatively inexpensive device of great strength and durability adapted to be readily applied 15 to the rear portion of a running-gear and capable of supporting the rear bolster and the rear hounds and of permitting the running-gear to be lengthened without employing a reach of great length.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

25 In the drawings, Figure 1 is a plan view of the rear truck of a running-gear constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a detail perspective view of the con- 30 necting device which is adapted to form an extension of the reach. Fig. 4 is a detail sectional view on the line 4 4 of Fig. 1.

Like numerals of reference designate corresponding parts in all the figures of the draw- 35 ings.

1 designates a connecting device consisting of a bar extending forward from the rear axle 2 to a point in advance of the rear hounds 3 and provided at its rear end with an upwardly- 40 extending flange or lip 4, which is perforated for the reception of a bolt 5 or other suitable fastening device for securing it to the rear bolster. The connecting device is provided adjacent to its front end with lateral projec- 45 tions or arms 6, which are perforated for the reception of fastening devices 7 for securing the projections or arms to the front ends of the rear hounds, which are also connected by a bottom plate 8. The bottom plate 8 is se- 50 cured to the lower faces of the rear hounds, and it extends across the lower face of the

reach 9. The connecting device and the bot- tom plate are provided with registering per- forations adapted to receive a connecting- bolt 10, and the reach is also provided with 55 perforations 11.

The reach, which is arranged between the front ends of the rear hounds, extends rear- ward through an opening 12, formed by re- cesses in the rear axle and the rear bolster, 60 and it is supported between the lower plate 8 and the connecting device, which is also extended in advance of the rear hounds, as clearly shown in Fig. 1. The front end of the connecting device is provided with a de- 65 pending rectangular box or sleeve 13, form- ing a guide and support for the reach and conforming to the configuration of the same. The box or sleeve is provided at the top and bottom with perforations and is adapted to 70 receive a fastening device for securing it to the reach. The connecting device is provided at intervals with perforations and bolts, or pins may be arranged at any desired point or points. 75

The running-gear is adapted to be length- ened without employing a reach of the length usually required for this purpose, as the con- necting device 1 is adapted to form a contin- uation of the reach, as shown in Fig. 2, and 80 when the parts are arranged in this manner the reach is connected with the rear hounds and also with the rear axle and bolster, so as to pull from the center of the same without depending solely on the rear hounds for such 85 connection. The device is also adapted to coöperate with the lower plate 8 in connect- ing the front ends of the rear hounds, and it obviates the necessity of employing a sepa- rate upper plate for this purpose. 90

It will be seen that the device is exceed- ingly simple and inexpensive in construc- tion, that it is adapted to be readily applied to a running-gear, that it is capable of sup- porting and bracing the same, and that it 95 will also enable the running-gear to be length- ened without necessitating the employment of the extra long reach usually provided for that purpose and without disconnecting the reach from the rear bolster. 100

What I claim is—

1. The combination with a rear truck, and

a reach, of a connecting device consisting of a bar extending longitudinally of the reach and secured to the rear truck at the back thereof and to the rear hounds at the front ends thereof, and provided with a loop to receive the reach, and adapted to form a continuation of the latter to enable the same to be lengthened to increase the length of the running-gear, and a fastening device for securing the connecting device to the reach, substantially as described.

2. The combination with a rear truck, and a reach, of a connecting device consisting of a bar extending longitudinally of the reach and fitting against the same and secured at its rear end to the rear truck at a point adjacent to the reach, said connecting device being provided at its front end with a loop to receive the reach and having lateral projections located in rear of the loop and se-

cured to the rear hounds at the front ends thereof, substantially as described.

3. In a device of the class described, the combination of a rear truck, a reach, a connecting device consisting of a bar extending longitudinally of the reach and provided at its rear end with a lip and having a loop at its front end to receive the reach and provided at an intermediate point with lateral extensions secured to the rear hounds and a fastening device securing the connecting device to the reach, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

AUGUSTUS M. CUSHING.

Witnesses:

C. R. DANFORTH,
J. A. MINGERS.