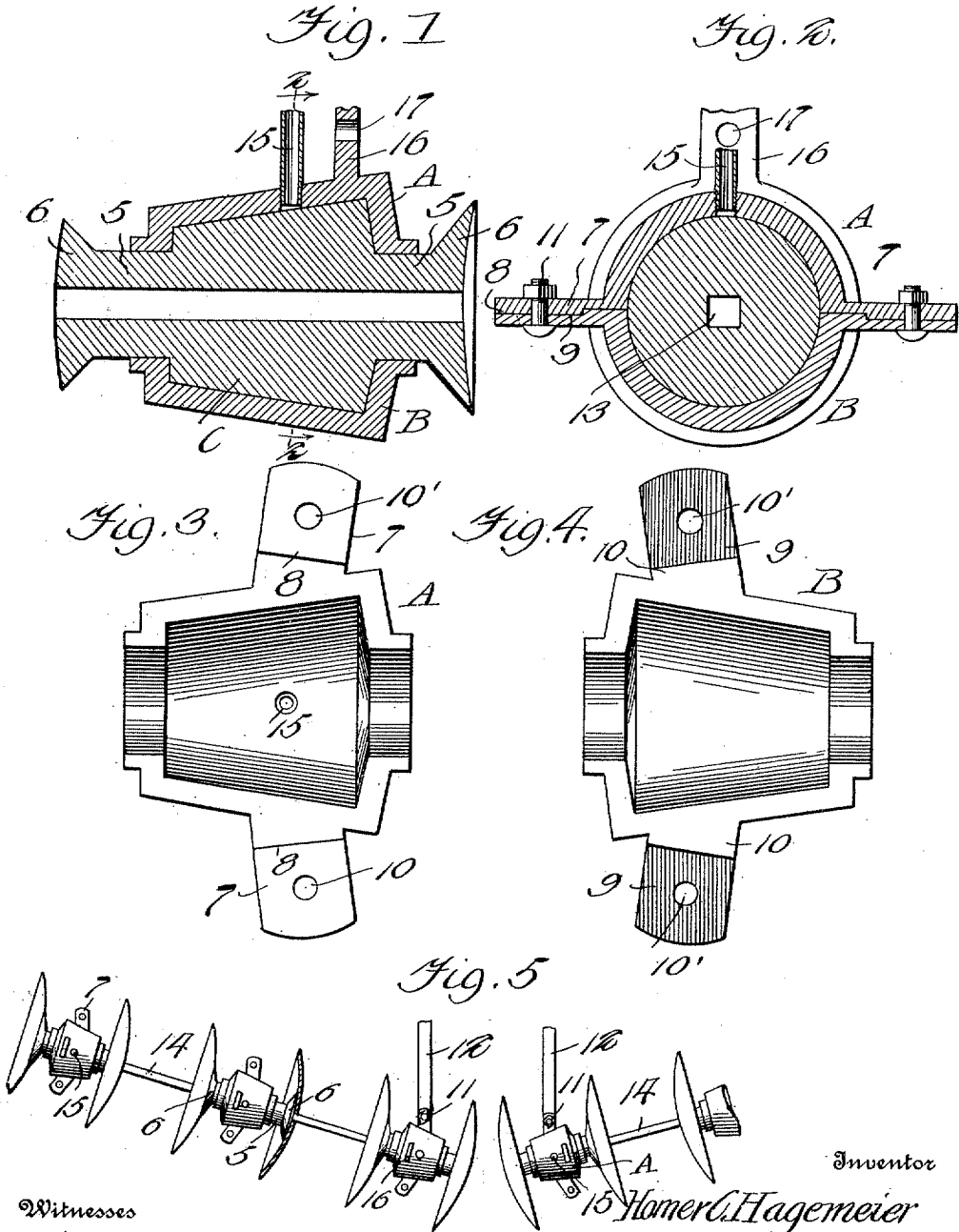


H. C. HAGEMEIERS.
BOXING FOR DISK HARROWS.
APPLICATION FILED JULY 8, 1910.

985,588.

Patented Feb. 28, 1911.



Witnesses

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HOMER C. HAGEMEIERS, OF ARCADIA, NEBRASKA.

BOXING FOR DISK HARROWS.

985,588.

Specification of Letters Patent.

Patented Feb. 28, 1911.

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To all whom it may concern:

Be it known that I, HOMER C. HAGEMEIERS, a citizen of the United States of America, residing at Arcadia, in the county of Valley and State of Nebraska, have invented new and useful Improvements in Boxings for Disk Harrows, of which the following is a specification.

This invention relates to boxings for disk harrows and similar disk implements, and it has for its object to provide a box of simple and improved construction, whereby draft will be applied squarely at right angles to the wear plates of the box, thereby increasing the life of the implement.

A further object of the invention is to produce a box of simple and improved construction which may be applied either to the right or left side of the implement.

A further object of the invention is to produce a box having connecting flanges adapted to be connected with the draft, and equipped with supporting means for the weight box of the implement.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claims.

In the accompanying drawing has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the claims may be resorted to when desired.

In the drawing,—Figure 1 is a longitudinal vertical sectional view of a box and disk-carrying core constructed in accordance with the invention, the same being taken on the line 1—1 of Fig. 2. Fig. 2 is a transverse sectional view taken on the line 2—2, Fig. 1. Figs. 3 and 4 are detail plan views, showing the inner sides or faces of the upper and lower members of the box. Fig. 5 is a top plan view of a portion of an implement equipped with the improved disk boxings.

Corresponding parts in the several figures are denoted by like characters of reference.

The top and bottom members A and B of the improved boxing are of tapering or conical shape to accommodate the correspondingly tapered or conical core C, the ends of

which are provided with necks 5 projecting from the ends of the boxing and provided with disk seats 6 at their outer extremities. The members A and B combine to form a bearing for the core and the necks thereof. The top member A is provided at the front and rear side edges thereof with lugs 7, each disposed obliquely with reference to the edge of the member from which it extends, but at right angles with reference to the opposite side edges and so positioned that an extension of either lug would intersect the opposite side edge of the box member midway between the ends thereof. These lugs are offset downwardly, as shown at 8, to mate with recesses or depressions 9 in corresponding lugs 10 formed upon the lower box member B. The several lugs are apertured, as shown at 10, for the passage of connecting bolts 11 which may also be utilized for the attachment of draft bars, as will be seen at 12 in Fig. 5.

The disk carrying core is provided with an aperture 13, preferably square, for the passage of a correspondingly shaped connecting rod 14 upon which any desired number of the devices may be mounted, as seen in Fig. 5, draft being applied to the bars 12, as will be readily understood, in any customary well known manner. Any desired means may be utilized if deemed necessary or desirable to prevent lateral displacement of the disk carrying boxes upon the connecting rods 14.

The top member 8 of each boxing is provided with a lubricating tube 15 and with an upwardly extending bracket 16 having a perforation 17 for convenience in attaching braces for the purpose of supporting or carrying a weight box.

As will be understood from the foregoing description when taken in connection with the drawing hereto annexed, the improved disk boxings may be reversed end for end and may thus be applied either to the right or left harrow section. The draft when applied will be practically squarely at right angles to the rear portion of the boxing, and the ease of operation free from undue friction and from the wear resulting from such friction will thus be insured.

Having thus described the invention, what is claimed as new, is:—

1. A disk boxing comprising half cone-shaped top and bottom members each provided with lugs extending from the front

and rear edges thereof, said lugs being disposed obliquely with reference to the edges from which they extend, at right angles to the opposite edges and in such relation that
5 extensions of said lugs would intersect the opposite edges about midway between the ends thereof.

2. A disk boxing comprising half cone-shaped top and bottom members each provided with lugs extending from the front and rear edges thereof, said lugs being disposed obliquely with reference to the edges from which they extend, at right angles to the opposite edges and in such relation that
15 extensions of said lugs would intersect the opposite edges about midway between the ends thereof, the lugs of the lower box member being provided with recesses and the lugs of the upper box member being provided with offsets mating said recesses, and
20 the several lugs provided with bolt receiving apertures.

3. A disk boxing comprising half cone-shaped top and bottom members each provided with lugs extending from the front and rear edges thereof, said lugs being disposed obliquely with reference to the edges from which they extend, at right angles to the opposite edges and in such relation that

extensions of said lugs would intersect the opposite edges about midway between the ends thereof; the top box member being provided with an oil tube and with an upwardly extending apertured bracket.

4. A disk boxing comprising half cone-shaped top and bottom members each provided with lugs extending from the front and rear edges thereof, said lugs being disposed obliquely with reference to the edges from which they extend, at right angles to the opposite edges and in such relation that
40 extensions of said lugs would intersect the opposite edges about midway between the ends thereof, the lugs of the lower box member being provided with recesses and the lugs of the upper box member being provided with offsets mating said recesses, and the several lugs provided with bolt receiving apertures, a disk carrying core mounted in the boxing and a draft bar connected with
50 the forwardly extending lugs of the box members.

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

H. C. HAGEMEIERS.

Witnesses:

JOHN WALL,
S. T. GODDARD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
