

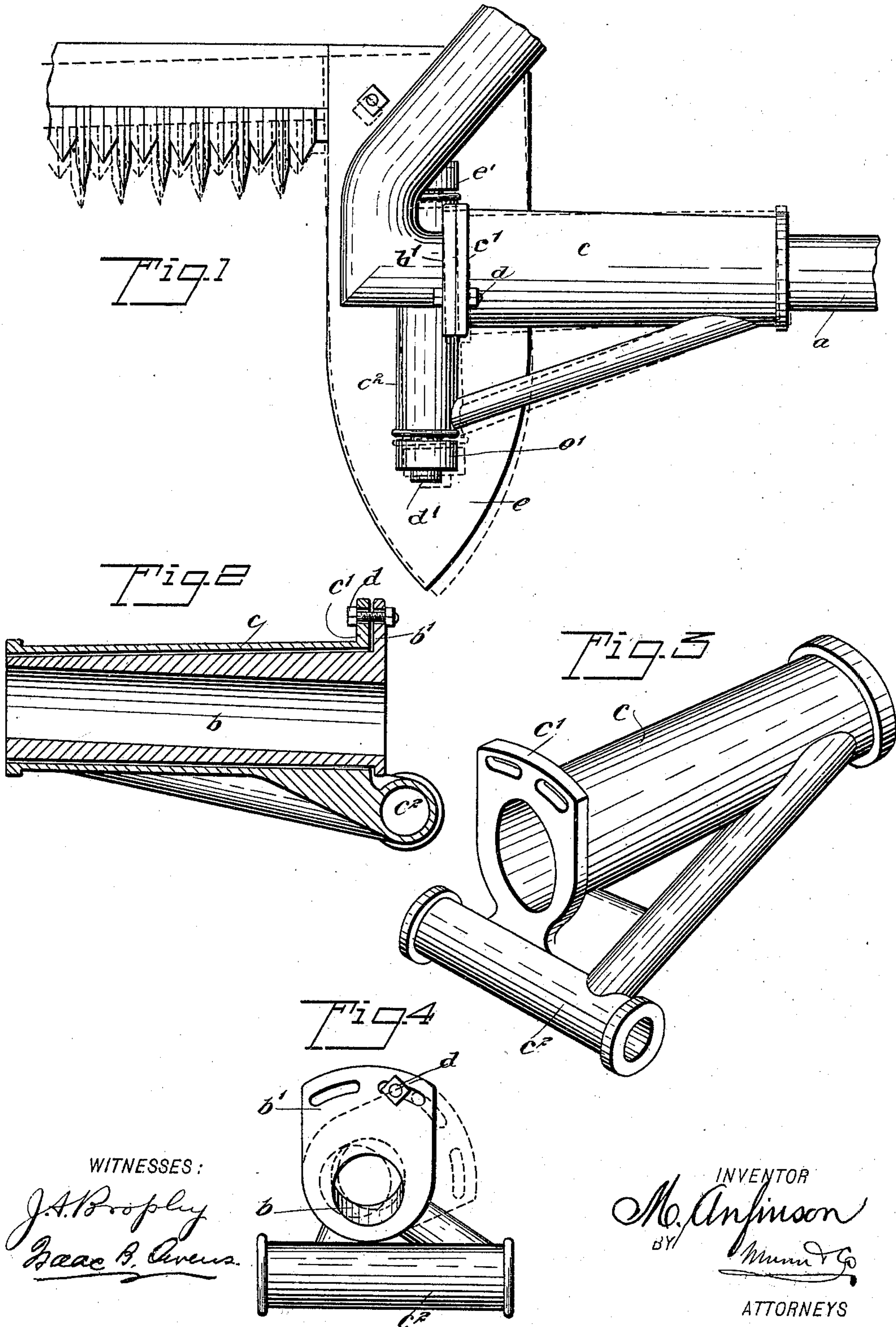
No. 644,886.

Patented Mar. 6, 1900.

M. ANFINSON.
SICKLE BAR ADJUSTER.

(Application filed Sept. 7, 1899.)

(No Model.)



WITNESSES:

J. A. Proply
Hear B. Owens

INVENTOR

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UNITED STATES PATENT OFFICE.

MARTIN ANFINSON, OF VERMILION, SOUTH DAKOTA.

SICKLE-BAR ADJUSTER.

SPECIFICATION forming part of Letters Patent No. 644,886, dated March 6, 1900.

Application filed September 7, 1899. Serial No. 729,729. (No model.)

To all whom it may concern:

Be it known that I, MARTIN ANFINSON, of Vermilion, in the county of Clay and State of South Dakota, have invented a new and Improved Sickle-Bar Adjuster, of which the following is a full, clear, and exact description.

This invention relates to a means for mounting the sickle-bar or cutting apparatus of a mower so that these parts may be adjusted forward or back to take up the wear on the pivots that connect the cutting apparatus with the frame of the mower.

This specification is the disclosure of one form of the invention, while the claim defines the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of the invention. Fig. 2 is a section taken longitudinally through the eccentric sleeve and the bearing thereof. Fig. 3 is a perspective view of such bearing, and Fig. 4 is an end elevation thereof.

The coupling-arm *a*, which is supported rigidly on the frame, is mounted loosely in an eccentric sleeve *b*, the bore of which is disposed diagonally, as shown in Fig. 2. This sleeve is fitted to roll in a tubular bearing *c*, and the eccentric sleeve has at its outer end a flange *b'*, projecting upward and alongside a flange *c'* on the adjacent end of the bearing *c*. The flanges *b'* and *c'* are slotted to receive a bolt *d*, by which the eccentric sleeve *b* may be held in any desired position, as in-

dicated by full and dotted lines in Fig. 4. The bearing *c* has a transversely-disposed tubular box *c²*, in which is fitted a pin *d'*, the said pin having its ends bearing in lugs *e'* on the inner shoe *e* of the cutting apparatus. This shoe *e* carries the finger and sickle bars, the latter being driven by the usual mechanism. (Not shown.) Now it is clear that by rolling the eccentric sleeve *b* the bearing *c*, and consequently the sickle and finger bars, may be adjusted forward and backward, as indicated by full and dotted lines in Fig. 1. It should be observed that the bore of the eccentric sleeve *b* is diagonal and not merely eccentric. This diagonal disposition of the bore causes the cutting apparatus to be swung forward and backward on a center of movement approximately at the middle of the sleeve.

It will be obvious that the sleeve *b* may be placed in the bearing *c²* and carry the pin *d'*, thus serving to adjust the cutting apparatus the same as with the arrangement shown in the drawings.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In a mower, the combination with a coupling-arm, of an eccentric sleeve mounted to roll thereon, a bearing mounted loosely on the sleeve, and cutting apparatus carried by the bearing, the bearing and sleeve having means for adjustably locking them together.

MARTIN ANFINSON.

Witnesses:

CHR. CHRISTIANSON,
JORGEN JORGENSEN.