

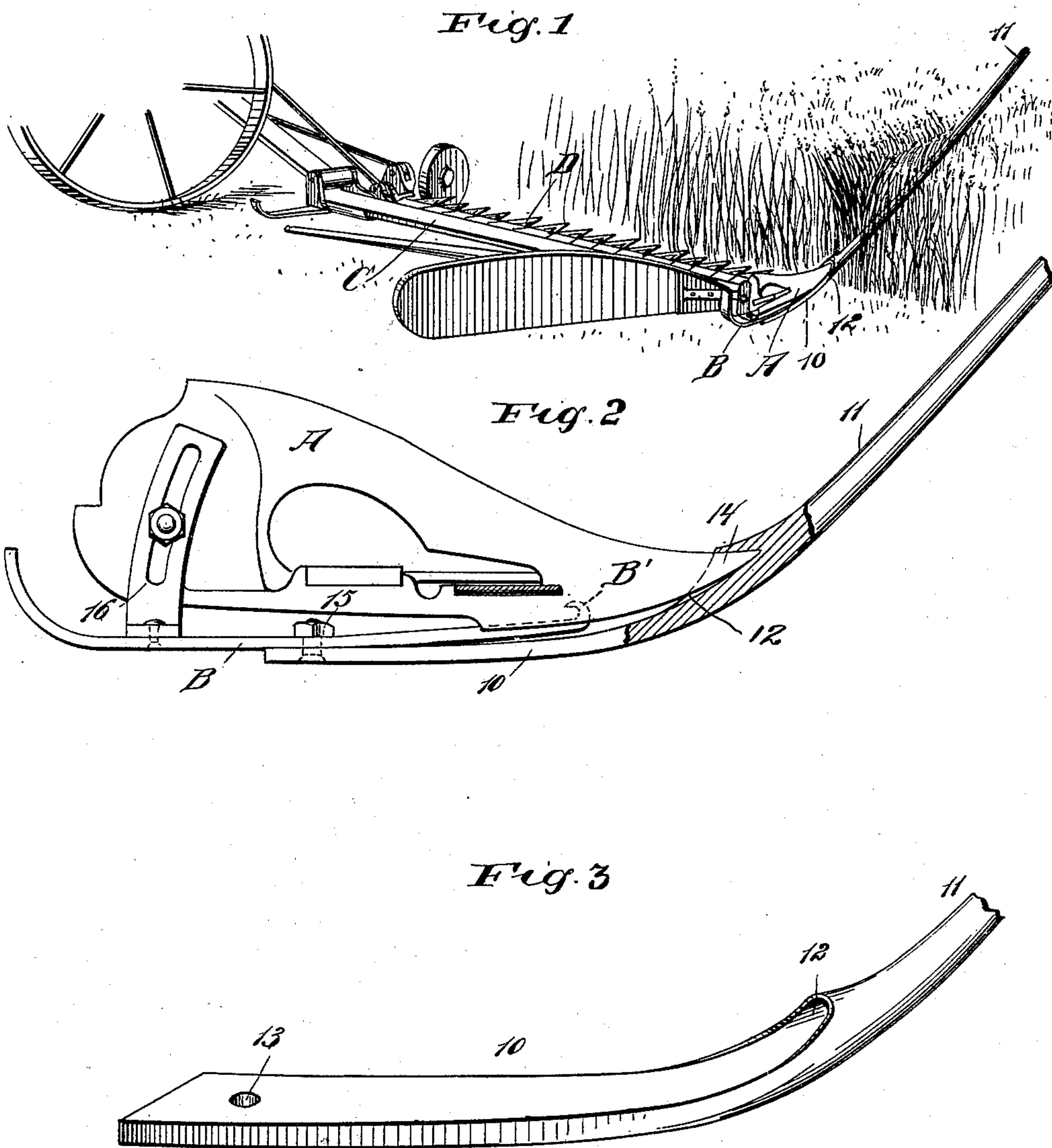
No. 671,238.

Patented Apr. 2, 1901.

W. A. SANDER.  
MOWER ATTACHMENT.

(Application filed Oct. 22, 1900.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM A. SANDER, OF JACKSON, MISSOURI.

## MOWER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 671,238, dated April 2, 1901.

Application filed October 22, 1900. Serial No. 33,886. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM AUGUST SANDER, a citizen of the United States, and a resident of Jackson, in the county of Cape Girardeau and State of Missouri, have invented a new and Improved Mower Attachment, of which the following is a full, clear, and exact description.

The invention relates to swath-cleaning attachments to mowing-machines.

The purpose of the invention is to provide a divide bar or arm detachably connected to the outer shoe and slide of the machine and constructed to extend upward and forward from the shoe and slide. The purpose of this bar or arm is to divide hay, clover, or other grasses, and especially tangled grasses and stock-peas, the said divide-bar serving to guide the material to be cut down to the cutting-surface of the sickle, thereby making a smooth clean swath.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

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 figures.

Figure 1 is a perspective view of the sickle-section of a mower and a perspective view of the attachment applied to the machine. Fig. 2 is an outer face view of the outer shoe and slide and an outer side elevation of the attachment, parts of the attachment being broken away; and Fig. 3 is a perspective view of the lower part of the attachment.

A represents the outer shoe of the sickle-bar of a mowing-machine. B represents the slide attached to the outer shoe, C the sickle, and D the knives of the sickle. The slide B is provided with the usual hook B', adapted to enter a recess in the shoe A.

The attachment is in the form of a divide bar or arm and comprises a foot-section 10 and a body-section 11, the two sections being preferably integral. The forward end of the foot-section is curved upward and meets the correspondingly-curved lower portion of the body-section, and the body-section is continued upward and forward. Where the body and the foot sections of the divide-bar join,

a pocket 12 is formed in the upper surface of the divide-bar, as is particularly shown in Figs. 2 and 3, and at the rear end portion of the foot-section of the divide-bar an aperture 13 is produced. The foot-section of the divide-bar is preferably flat, while the body portion is more or less circular in cross-section.

When the attachment is to be applied, the nose or forward point 14 of the outer shoe is received in the pocket 12 of the attachment, and a bolt 15 is passed through the aperture 13 in the foot-section of the divide-bar and through the slide B, the bolt having a suitable nut applied. It will be seen from Fig. 2 that the recess 12 is wider than the point 14, thus enabling the divide-bar 11 when free to swing upon the said point as its pivot. The slide B is adjustably connected with the shoe A by a suitable adjustable device 16, allowing of the pivotal movement above mentioned—as, for instance, a bolt and nut secured to the shoe A and engaging a curved slot in a bar secured to the slide B, the center of curvature of said slot being at the point 14. Where the divide-bar connects with the point 14 of the shoe A, the divide-bar curves over the upper edge of the shoe to meet the curve in the shoe at that point, so that there is but little possibility of the grain catching on the attachment where it connects with the machine, and the foot-section of the said divide-bar constitutes a forward continuation of the slide B and protects the forward end of the shoe.

When the attachment is applied, it extends forward and upward some distance from the sickle, and as the sickle advances the body-section 11 of the attachment enters the standing grain or grass to be cut and divides the grass or grain in advance of the outer shoe A, and the body portion of the attachment likewise serves to incline the grain or grass within the swath at the right-hand side toward the knives, so that a perfect cut and a clean swath is obtained.

The attachment is especially useful when tangled hay or pea-hay is to be harvested. The attachment may be applied to any form of mower. It is easily attached and detached and renders an ordinary mower exceedingly efficient in cutting all manner of grass and grain.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

An attachment for mowers, comprising a frame provided with a forwardly-projecting point, a divide-bar provided with a rearwardly-open and forwardly-contracted socket which at its forward end is of substantially the same dimension as the extremity of said point, to snugly receive the same, while from said end rearward the socket is of a vertical dimension increasingly greater than that of

the point of the frame, taken on the same transverse vertical section, the said point fitting into the socket, and an adjusting connection between the divide-bar and the frame. 15

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM A. SANDER.

Witnesses:

WILLIAM H. MILLER,  
JOSEPH W. WILLIAMS.