To all whom it may concern:

Be it known that I, GEORGE L. MOSELY, a citizen of the United States, residing at Jacksboro, in the county of Jack, State of Texas, have invented certain new and useful Improvements in Colter Attachments for Lister-Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to agricultural implements and has special reference to an attachment for listers arranged to work in the solid earth ahead of a lister plow and thereby guide said plow.

The principal object of the invention is to provide a novel and improved device of this character adapted to be secured to any ordinary plow without the use of bolts other than those already used on the lister and without the necessity of forming bolt holes in the attachment or additional bolt holes in the lister.

With the above and other objects in view, the invention consists in general of certain details of construction and combination of parts hereinafter fully described, illustrated in the accompanying drawings, and specifically claimed.

In the accompanying drawings, like characters of reference indicate like parts in the several views and Figure 1 is a perspective view of a plain lister showing the device applied thereto. Fig. 2 is a section through the device in position on the lister. Fig. 3 is a side elevation of the device removed from the lister. Fig. 4 is a front elevation of the device removed from the lister.

Referring now more particularly to the drawing the colter comprises a blade 10 having its upper or cutting edge sharpened as at 11. The lower edge of this blade is provided with a front portion 12 shaped to fit the upper face of the plow share 13 and formed adjacent its forward end with a downwardly projecting lug 14 arranged to engage in an opening 15 commonly found at the front of a lister share. The remainder of the lower edge is offset as at 16 and from this offset portion extend a plurality of lateral projections 17 which are directed alternately to one side and the other and provide a suitable base to engage and fit against the face of the frog 18, said projections being clamped beneath the inner portions of the moldboards 19 by the action of the bolts 20, the latter being the ordinary means for securing the moldboards 60 to the plow frog.

The device may be readily applied to a lister by removing the moldboards and seating the device in position on the frog with the lug 14 in the proper position. The moldboards may then be replaced and when the bolts are screwed up the attachment will be clamped firmly into place. It will be obvious that the device may be removed by detaching the wings and lifting the attachment off. When in position on the lister it will be obvious that the device will split the substantially solid earth as the lister moves forward and by reason of its broad surface will guide the lister in a straight line.

There has thus been provided a simple and efficient device of the kind described and of the character specified.

It will be obvious that many minor changes may be made in the form and construction of this invention without departing from the material principles thereof. It is not therefore desired to confine the invention to the exact form herein shown and described but it is wished to include all such as come properly within the scope claimed.

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

1. A colter attachment for lister plows comprising a blade adapted to fit vertically on the upper face of the plow share adjacent the point thereof, and laterally diverging saddle portions adapted to engage the plow frog and lie between said frog and the moldboards of the plow, whereby said blade may be clamped in position.

2. A colter attachment for lister plows comprising a substantially triangular blade adapted to fit vertically on the upper face of the plow share, a lug at the forward end of said blade for engagement in an open-
ing formed in said share, and projections extending alternately from the sides of said blade for engagement with the plow frog, said blade being held in place by clamping the projections between said frog and the moldboards of the plow.

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

GEORGE L. MOSELY.

Witnesses:

J. P. SIMPSON,
E. E. PIPPIN.

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