

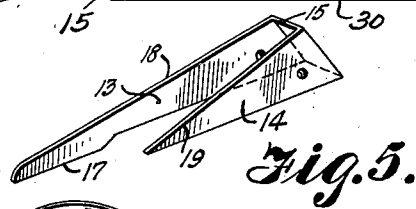
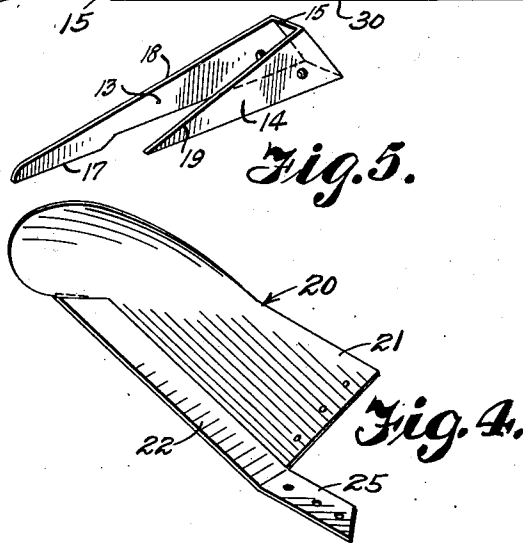
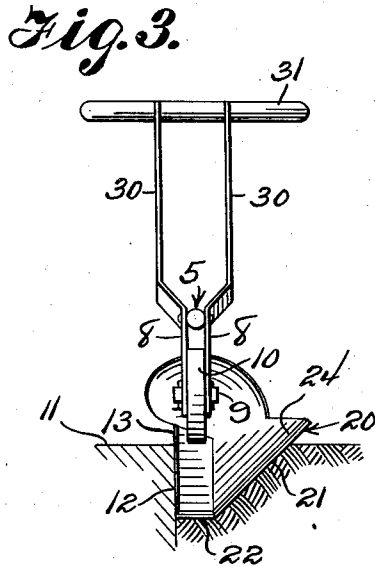
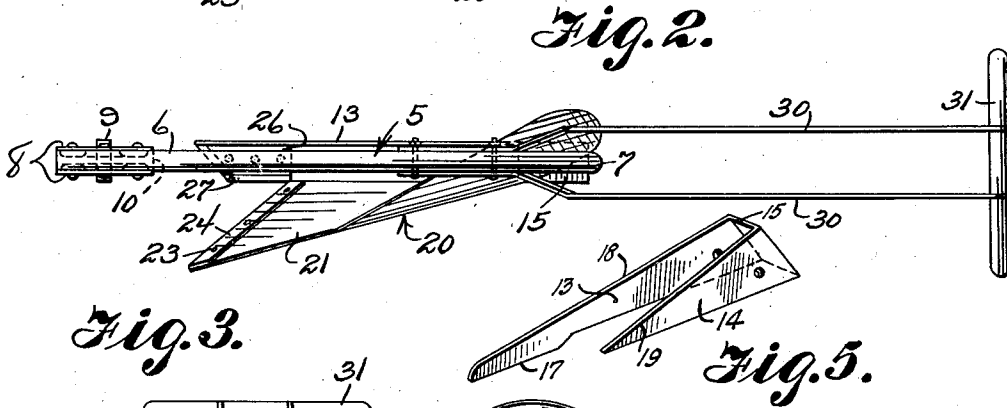
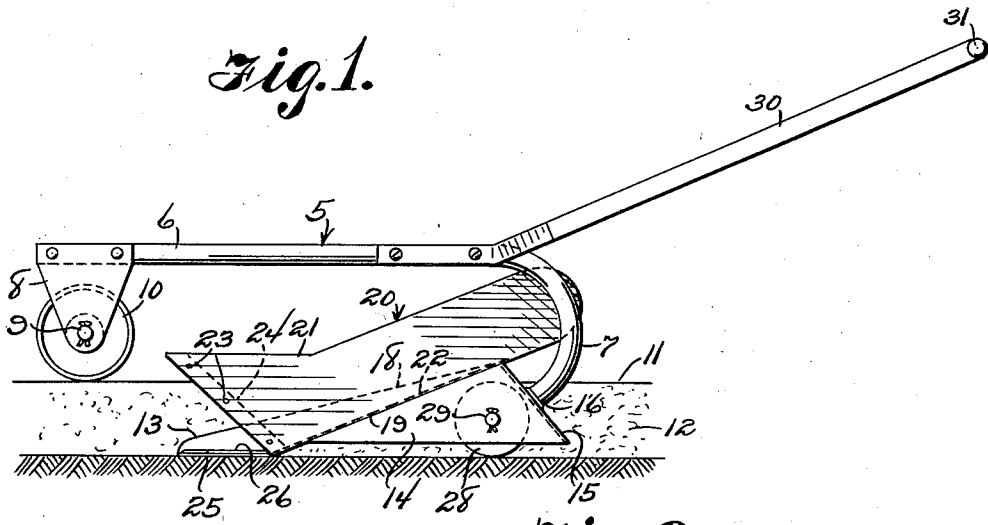
Oct. 10, 1939.

W. H. WELSH

2,175,984

EDGING PLOW

Filed July 11, 1938



William H. Welsh  
INVENTOR  
BY Victor J. Evans & Co.  
ATTORNEYS

# UNITED STATES PATENT OFFICE

2,175,984

## EDGING PLOW

William H. Welsh, Detroit, Mich.

Application July 11, 1938, Serial No. 218,678

2 Claims. (Cl. 97-227)

My invention relates to plows and more particularly to plows adapted to lay a furrow adjacent the marginal edges of a walkway or the like.

One of the principal objects of my invention is to provide a plow so constructed and arranged as to plow a furrow immediately adjacent the sides of a sidewalk or the like to define a border for said sidewalk of relatively soft packed earth to absorb water draining from the sidewalk, thereby presenting a neat and attractive appearance and at the same time precluding the formation of pools which extend in many instances over the sidewalk.

Another object of my invention is to provide a device of the above described character which is simple in construction, durable in use, highly efficient in operation and economical in manufacture.

Other objects and advantages will be apparent from the following description, appended claims and annexed drawing.

Referring to the drawing wherein like reference characters designate like parts throughout the several views:

Figure 1 is a side elevation of my invention.

Figure 2 is a top plan view thereof.

Figure 3 is a front elevation thereof.

Figure 4 is a detail perspective view of the share.

Figure 5 is a detail perspective view of the inner and outer plates.

My novel plow comprises a beam 5 styled with a horizontally extending section 6 fashioned at the rear end thereof with a downwardly extending curved stock 7. The front end of the section 6 is provided with a pair of spaced sub-jacently extending brackets 8 through which is journaled a shaft 9 having mounted thereon and between the brackets 8 a wheel 10 for engaging the surface of the ground adjacent a sidewalk 11 formed with a vertical side wall 12 extending below said surface of the ground as clearly illustrated in Figure 1.

A pair of spaced triangular shaped inner and outer plates 13 and 14 respectively are connected together at their rear ends with an integrally formed rear wall 15. Said rear wall 15 is welded to the lower end of the stock 7 as at 16. The inner plate 13 is of a longer length than the outer plate 14 and extends forwardly beyond the front end of said plate 14 and is fashioned at the front end with a downwardly extending ground engaging edge 17 which extends in a horizontal plane subjacent the horizontal plane of the lower edge of the plate 14. The upper

edge 18 of the plate 13 is disposed above the corresponding edge 19 of the plate 14.

A share 20 is fashioned with a side wall 21 and an integrally connected bottom wall 22. Said side wall 21 at the front end thereof extends upwardly and outwardly relative to the bottom wall 22, and at the rear end curves upwardly and inwardly and overlies said bottom wall. The front end of the side wall 21 has secured thereto, by means of rivets, a soil cutting blade or knife 24 to facilitate penetration of the soil. The bottom wall 22 at the front end thereof is fashioned with a forwardly extending section 25 on which is secured, by means of rivets, a cutting blade or knife 26 having an angularly disposed cutting edge 27 for penetration of the soil. The lower end of the wall 21 at the jointure with the bottom wall 22 is welded to the hypotenuse edge 19 of the outer plate 14 and the oppositely disposed marginal edge of the wall 22 is welded to the inner plate 13 between the upper and lower ends thereof and forms an upwardly inclined floor between the plate 13 and wall 21 of the share and constitutes a trough in which soil is received at the lower end and worked upwardly and discharged therefrom at the upper end into a furrow formed by operation of the plow in a forward direction.

Mounted between the plates 13 and 14 adjacent the rear wall 15 thereof is a roller 28 on a shaft 29 journaled in bearings in said plates 13 and 14. Said roller engages the floor of the furrow formed by the plow and serves to space the rear sections of said plates 13 and 14 above said floor of the furrow, thereby coacts with the wheel 10 to facilitate easy operation of the plow.

Secured to the section 6 of the beam 5 adjacent the stock 7 is a pair of upwardly and rearwardly extending handle bars 30 equipped on the upper ends thereof with a transversely extending handle 31 whereby said plow may be operated.

In use, the plow is positioned adjacent the side wall 12 of a sidewalk 11 with the inner plate disposed adjacent said wall 12 and the plow operated in a forward direction. Upon an initial operation of the plow, the plates and front end of the share will penetrate an appreciable distance below the surface of the sidewalk whereby said plow may be guided horizontally to cause soil fed into the front end of the trough to be discharged through the rear end thereof into the furrow formed by the plow. The soil thus formed will be softly packed and thereby quickly absorbs rain, water and the like and effects a

draining of the sidewalk and adjacent areas to preclude the forming of pools and also present a neat and attractive appearance.

5 While I have shown and described my invention as being adaptable for the edging of sidewalks and the like, it is to be distinctly understood that the same may be readily utilized for other purposes of a like character without departing from the spirit of the invention or scope of the ap-  
10 pended claims.

What I claim is:

1. In a device of the character described, a beam, a pair of spaced triangular shaped plates connected to said beam and disposed in separate  
15 vertical planes subjacent thereto, a share mounted on said plates and fashioned with a side and bottom wall, said bottom wall disposed between said plates and coacting with one of said plates and said side wall to form a trough for receiving  
20 material from a furrow formed by said share and

plates, and for discharging said material into said furrow in a semi-packed condition.

2. In a device of the character described, a beam, a pair of spaced triangular shaped plates connected to said beam and disposed in separate  
5 vertical planes subjacent thereto, a share mounted on said plates and fashioned with a side and bottom wall, said bottom wall disposed between said plates and coacting with one of said plates and said side wall to form a trough for receiving  
10 material from a furrow formed by said share and plates and for discharging said material into said furrow in a semi-packed condition, a wheel carried by said beam adapted to engage the  
15 soil in advance of the formation of said furrow, and a roller carried by said plates for engagement with the floor of said furrow and coacting with said wheel to facilitate furrowing operation.

WILLIAM H. WELSH. 20