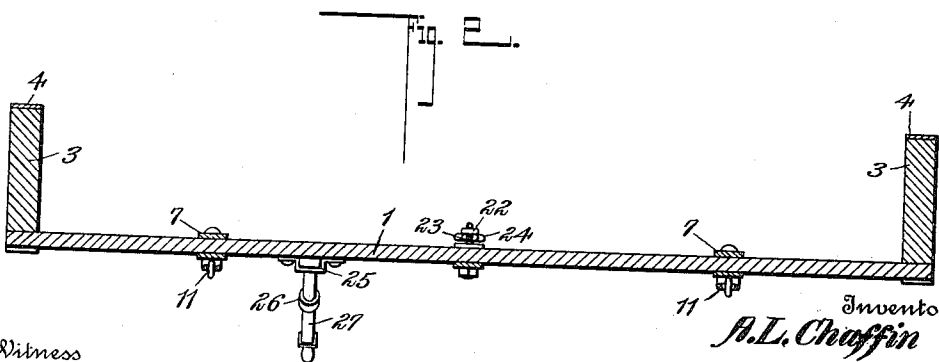
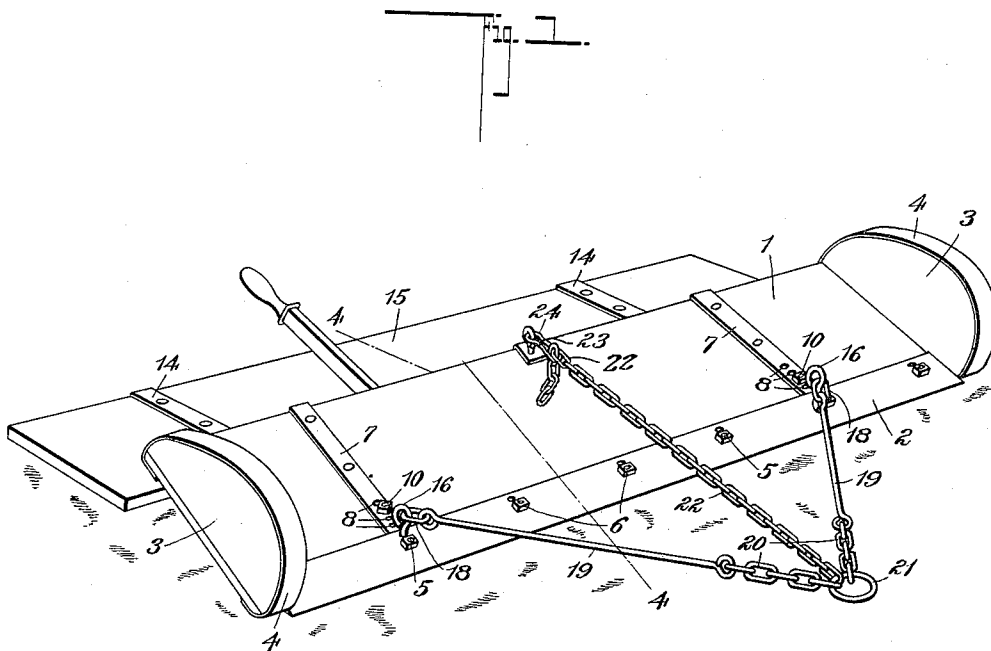


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 ROAD SCRAPING AND LEVELING DEVICE.  
 APPLICATION FILED JUNE 7, 1916.

1,219,375.

Patented Mar. 13, 1917.  
 2 SHEETS—SHEET 1.



Witness  
 Philip H. Burch

Inventor  
 A. L. Chaffin

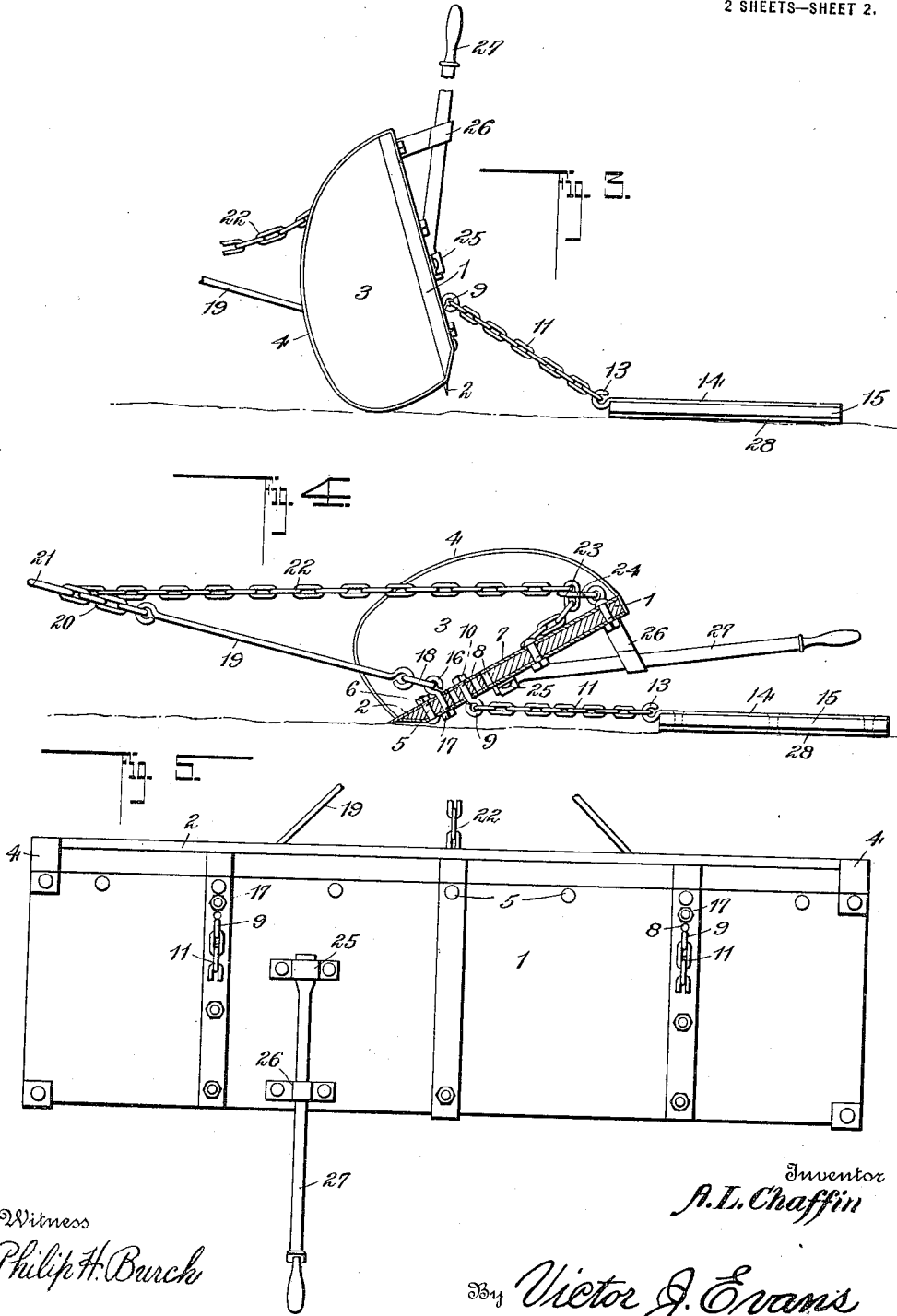
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# UNITED STATES PATENT OFFICE.

ARTHUR L. CHAFFIN, OF TORREY, UTAH, ASSIGNOR OF ONE-HALF TO WILLIAM BOWN, JR., OF FAYETTE, UTAH.

## ROAD SCRAPING AND LEVELING DEVICE.

1,219,375.

Specification of Letters Patent. Patented Mar. 13, 1917.

Application filed June 7, 1916. Serial No. 192,290.

*To all whom it may concern:*

Be it known that I, ARTHUR L. CHAFFIN, a citizen of the United States, residing at Torrey, in the county of Wayne and State of Utah, have invented new and useful Improvements in Road Scraping and Leveling Devices, of which the following is a specification.

This invention relates to improvements in road scraping and leveling devices.

In carrying out my invention it is my purpose to provide a scraper provided with an adjustable tailboard or platform upon which the driver of the draft animal stands and which platform is flexibly connected with the scraper proper, the scraper being provided with means accessible to the driver whereby the same may be tilted to a desired inclination and being further provided with means attached to the draft apparatus for sustaining the said scraper in such tilted position.

A further object of the invention is to provide a scraper which may be easily and quickly adjusted and held at any desired inclination with relation to the road on which the scraper works.

With the above and other objects in view, the improvement resides in the construction, combination and arrangement of parts set forth in the following specification and falling within the scope of the appended claims.

In the drawings:

Figure 1 is a perspective view of the scraper constructed in accordance with the present invention,

Fig. 2 is a central longitudinal sectional view through the same,

Fig. 3 is a view showing the arrangement of parts when the scraper is turned over to dump its load,

Fig. 4 is a sectional view taken approximately on the line 4—4 of Fig. 1, and

Fig. 5 is a rear elevation of the device.

In the accompanying drawings the numeral 1 designates a scraper board which may be of any desired dimensions and which is beveled from its rear face to its lower corner and its outer face, at its said sharpened corner provided with a metal blade or knife member 2. The knife member extends the length of the scraper board and the ends of the said board are provided with

arch shaped side members 3—3 which are shod with metal bands 4.

The blade or knife member 2 is provided with a plurality of spaced orifices arranged in series and bolts 5 are passed through certain of these orifices so that the knife member is adjustable upon the scraper board and the bolts 5 are provided with retaining nuts 6. The scraper board at suitable distances from its sides 3 is provided with metal straps 7, and these straps are arranged upon both of the faces of the said board. The straps are secured to the board at intervals in any desired or preferred manner and are further provided with a plurality of spaced orifices 8 which also pass through the board.

Passing through certain of the orifices 8 from the rear of the board 1 are eye bolts 9 which are provided with securing nuts 10. Each of these eye bolts has attached thereto a flexible element in the nature of a chain 11, and each of the said chains is adapted to be engaged by the hooked end 13 provided upon the outer ends of the plates 14 that are secured to the upper face of the tailboard or platform 15. Passing through other of the mentioned orifices 9 from the front of the board 1 are similar eye bolts 16 which are retained upon the board by nuts 17, and these eye bolts are adapted to receive each a link 18, each of said links in turn engaging with an eye provided upon one end of an elongated rod 19. The opposite ends of these rods 19 are also provided with eyes to receive flexible elements, such as chains 20, and these chains are connected to a ring member 21, and it is to this ring that the double tree is secured. Also attached to the ring 21 is a chain 22 which is extended rearwardly or toward the board 1, and which is adapted to have one of its links received in a beak or restricted portion 23 which extends from a ring member 24 that is loosely connected to the center of the board at or adjacent the upper corner thereof.

The scraper board upon the rear face thereof is provided with socket members 25 and 26 arranged one in a line with each other. The socket member 26 has its eye extended farther away from the board than is the eye of the socket member 25 so that a handle member 27 which is received in the

eyes of the said sockets is arranged at an angle to the scraper board, the said handle being in close proximity to the driver who is positioned upon the tailboard or platform 15.

While the scraper board has been described as constructed of wood with metal reinforcements, it is to be understood that the same may be constructed wholly of metal, such as steel, or the same may be constructed of any other desired material and the underface of the tailboard or platform 15 is preferably provided with transversely arranged shoes 28 so that the same will readily slide over the surface upon which the scraper operates and the tailboard also serves the purpose of leveling the road after the scraper.

From the above description, taken in connection with the accompanying drawings, the simplicity of the device, as well as the advantages thereof will, it is thought, be perfectly apparent to those skilled in the art to which such invention appertains without further detailed description.

Having thus described the invention, what I claim is:

1. In a dirt scraper, a scraper board having its ends provided with arch-shaped sides, said board being beveled from its rear face to its lower front edge, an adjustable knife member upon the board, adjustable eye bolts on the front and rear faces of the board, flexible elements connected with the eye bolts upon the rear of the board, a tailboard having plates provided with hook shaped ends receiving the links of said chains, rod members for the eye bolts upon the front

face of the board, flexible elements connected with the rod members, a ring securing the flexible elements, a chain member connected with the ring and extending toward the board, and a ring member having a beak portion loosely secured to the board and receiving one of the links of the chain whereby the board may be sustained at an angle.

2. In a dirt scraper, a scraper board having arch-shaped ends upon its outer face, an adjustable knife member upon the lower edge of the board, said board adjacent its ends being provided with a plurality of transversely arranged spaced apertures, eye bolts passing through certain of the apertures and arranged upon both the front and rear faces of the board, removable means for securing the eye bolts upon the board, flexible members connected with the front eye bolts, rod members connected with the flexible elements, other flexible elements connected with the rods, an eye connecting the last mentioned flexible elements, said eye adapted to receive the double tree of the draft animals, a chain member connected with the eye and extending toward the scraper board, and an eye member loosely connected with the center of the scraper board and having a beak portion which is adapted to receive certain of the links of the chain, as and for the purpose set forth.

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

ARTHUR L. CHAFFIN.

Witnesses:

J. A. FREDRICKSON,  
ELIZABETH P. FREDRICKSON.