(No Model.)

F. BAUGH.

LAND ROLLER.

No. 474,038. Patented May 3, 1892.

Fig. 2

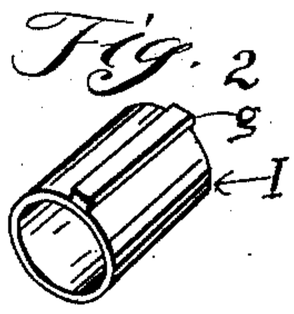


Fig. 1

Fig. 3.

Fig. 4.

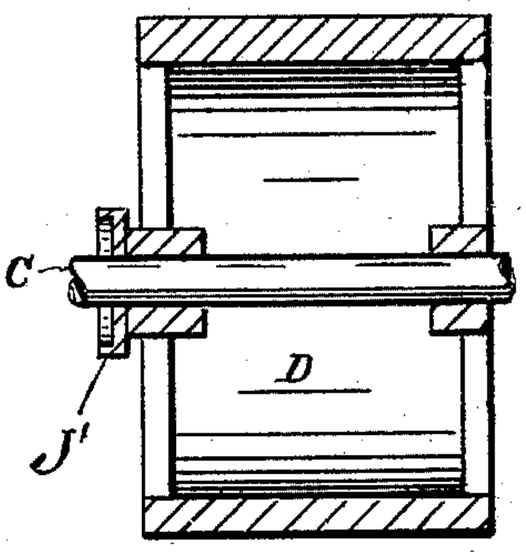


Fig. 6

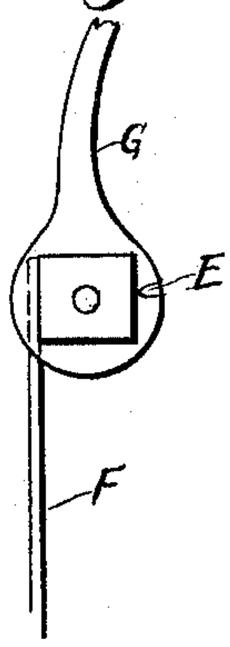


Fig. 5.

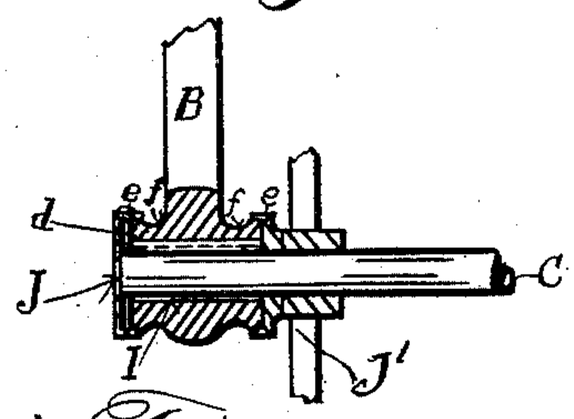
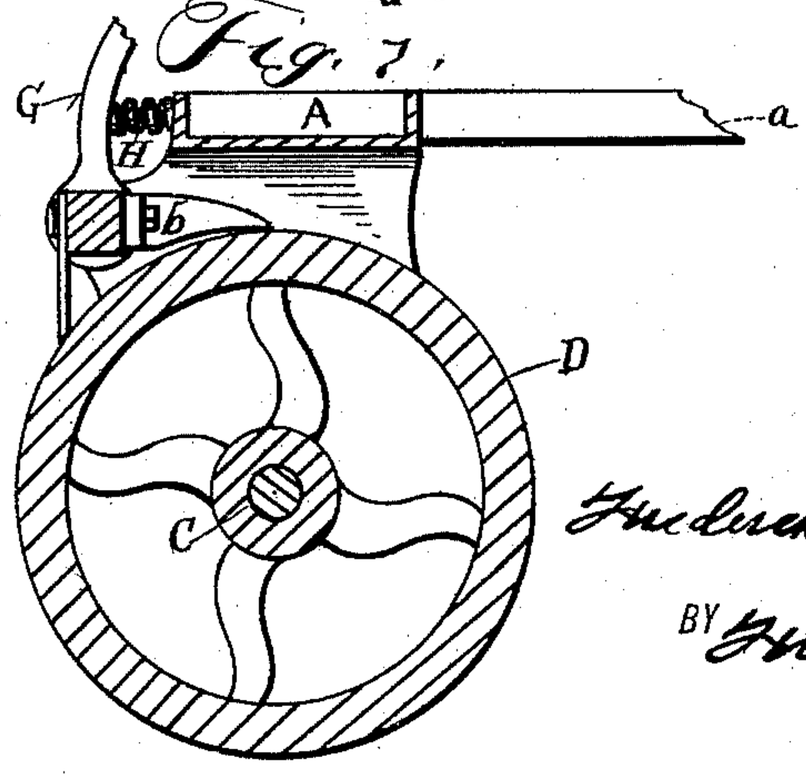


Fig. 7.



WITNESSES:

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LAND-ROLLER.

SPECIFICATION forming part of Letters Patent No. 474,038, dated May 3, 1892.

Application filed November 13, 1891. Serial No. 411,817. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK BAUGH, a citizen of the United States, residing at Alliance, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Land-Rollers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a perspective view showing the location of the scraper and brake-blocks. Fig. 2 is a detached view of the shaft-thimble. Fig. 3 is a detached view of the dust-cap. Fig. 4 is a sectional view of one of the roller-sections, showing the same located upon the shaft. Fig. 5 is a view showing the shaft properly journaled and the location of the dust-cap. Fig. 6 is an end view of the scraper-bar, showing the scraper located thereon, together with the operating handle or lever. Fig. 7 is a transverse section.

The present invention has relation to land-rollers; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, A represents the frame, to which is attached in any convenient and well-known manner the tongue *a*. To the frame A are attached the arms B, said arms being located substantially as illustrated in the drawings, and are for the purpose of holding in proper position the shaft or roller-bar C. Upon the shaft or roller-bar C are mounted the roller-sections D, which sections are preferably formed of metal and of the required weight for the purpose designed; but it will be understood that the roller-sections D may be formed of wood without departing from the nature of my invention. In the drawings six roller-sections are shown; but a greater or less number may be used, if desired, as it is not material how many sections are used. To the arms B is pivotally attached the scraper-bar E, to the rear side of which is securely attached the scraper F, said scraper being formed of metal and of the desired thickness for the purpose designed. The scraper F extends a short distance below the scraper-bar E for the purpose of bringing its lower edge in proper position to bear against the peripheries of the roller-sections D, as hereinafter described.

For the purpose of providing a brake for the roller proper the brake-blocks *b* are provided and are attached to the scraper-bar E and extend forward over the roller-sections D, substantially as illustrated in the drawings. In the drawings two brake-blocks are shown; but it will be understood that a greater or less number may be used, if desired.

To the scraper-bar E is attached the operating lever or handle G, which lever or handle may be located substantially as illustrated in the drawings, and is for the purpose of operating the scraper F and the brake-blocks *b*. In use when it is desired to bring the scraper F into position so as to scrape the peripheries of the roller-sections D the lever or handle G is forced backward, which movement brings the lower edge of the scraper F against the faces of the roller-sections D, and thereby removes from said roller-sections all dirt that has accumulated upon the faces of said roller-sections.

When it is desired to bring the brake-blocks *b* into operative position, the lever or handle G is forced forward, thereby causing said brake-blocks to press upon the faces of the roller-sections D and thereby retard the movement of the roller proper. For the purpose of holding the scraper F and the brake-blocks *b* out of contact with the faces of the roller-sections D, except when it is desired to apply said parts, the spring H is provided, said spring being located between the lever or handle G and the frame A. For the purpose of preventing dirt from entering the shaft-thimble I the caps J are provided, which caps are attached to the shaft C by means of the pins or rivets *d*. The bottom or lower ends of the arms B are provided with the side flanges *e*, which flanges are provided with the grooves *f*, said grooves being for the purpose of holding the dirt that may accumulate upon said side flanges, and thereby assist in preventing the dirt from entering the bearing. For the purpose of preventing the thimble I from rotating the rib *g* is formed upon said thimble

and is entered in a groove formed in the arms B. The thimble I is prevented from moving endwise by means of the caps J and the flanges J', located upon the sides of the outer roller-section D.

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

1. The combination of the frame A, provided with the arms B, the pivoted scraper-bar E, provided with an operating lever or handle and the scraper F, the brake-blocks *b*, fixed to the scraper-bar E, and the roller-sections D, mounted on the shaft C, substantially as and for the purpose set forth.

2. The combination of the frame A, provided with the arms B, the shaft C, having mounted thereon the roller-sections D, the scraper-bar E, provided with the scraper F, and the brake-blocks *b*, the lever or handle G, and the spring H, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto set my hand in the presence of two witnesses.

FREDERICK BAUGH.

Witnesses:
F. W. BOND,
CHAS. M. STANDS.