

(No Model.)

J. C. WELSCH.
ROLLER FOR MOVING HOUSES.

No. 252,282.

Patented Jan. 10, 1882.

Fig. 1.

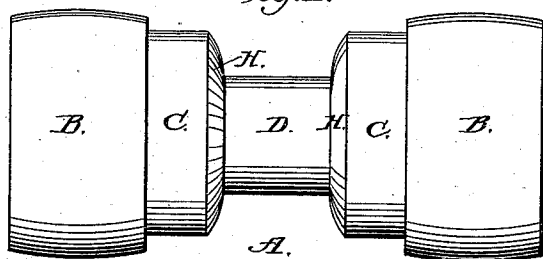


Fig. 2.

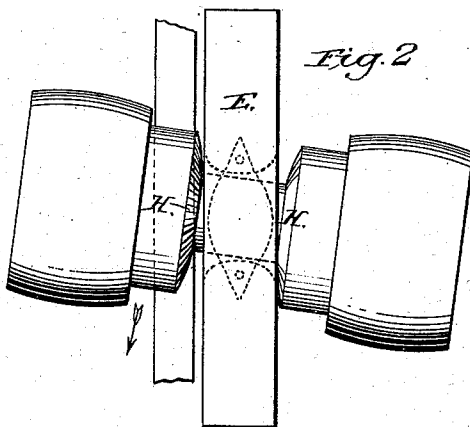


Fig. 3.

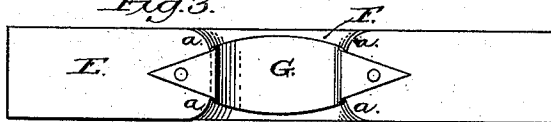
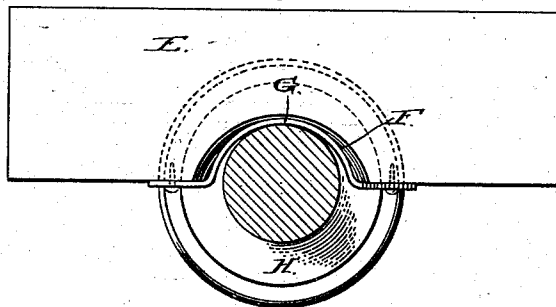


Fig. 4.



WITNESSES

Villette Anderson
Philip L. Massi.

INVENTOR

J. C. Welsch,
by Anderson & Smith
his ATTORNEYS

UNITED STATES PATENT OFFICE.

JONATHAN C. WELSCH, OF EDGERTON, OHIO.

ROLLER FOR MOVING HOUSES.

SPECIFICATION forming part of Letters Patent No. 252,282, dated January 10, 1882.

Application filed June 11, 1881. (No model.)

To all whom it may concern:

Be it known that I, J. C. WELSCH, a citizen of the United States, resident of Edgerton, in the county of Williams and State of Ohio, have invented a new and valuable Improvement in Rollers for Moving Houses; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of my invention. Fig. 2 is a top view of the same when in operation. Fig. 3 is a bottom view of the bearing-block, and Fig. 4 is a sectional view of the whole.

This invention has relation to improvements in means for moving houses and other structures of large size; and it consists in the construction and novel arrangement of the circular bearings or wheels of the roller, having different diameters and arranged on each side of a central bearing, and in connection therewith the cap or bearing block having a concave saddle portion arranged to engage the central bearing of the roller, all as hereinafter set forth.

In the annexed drawings, the letter A designates the roller, consisting of the outer or main wheels, B, the inner wheels or circular bearings, C, of less diameter than said main wheels, and the central bearing, D, of still smaller diameter, between the inner wheels, C. These parts are all formed in one piece, or solidly and rigidly connected so as to form a single roller, with which a cap or bearing-block, E, is designed to be used. This block consists usually of a rectangular piece of timber, in the under side of which is formed a concavity, F, which is armed with a bearing-plate, G, and is rounded at its edges and corners to avoid undue friction. The saddle thus formed of the cap-piece is designed to support

the weight of the article to be moved, and in turn to bear on the central portion, D, of the roller, between the inner walls of the inner wheels, said walls being made convex or full toward the central portion, D, as indicated at H, to avoid friction and enable the cap-piece to ride easily as the roller advances.

In moving a structure in a direct line the bearing is upon the large wheels B; but when it is desired to make a turn to one side or the other the roller is made to bear on one of the larger wheels and one of the smaller circular bearings C by laying down a piece of scantling or boarding of sufficient thickness in front of the latter for it to roll upon, relieving the larger wheel of the same side. The progress will then be curvilinear and toward the right or left, according to the position of the scantling or accessory track for the inner wheel, C.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. A roller for use in moving large structures, having a central bearing, D, outer large wheels, B, and inner wheels, C, of smaller diameter, whereof the inner walls are full or convex toward said central bearing, substantially as specified.

2. The combination, with a roller having circular bearings B and C, of different diameters, and a central bearing, D, of smaller diameter, having convex side walls, H, of the cap or bearing-block E, having the concavity F, and saddle-plate G, substantially as specified.

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

JONATHAN C. WELSCH.

Witnesses:

G. W. SPANGLER,
LOUIS SWINDEMAN.