

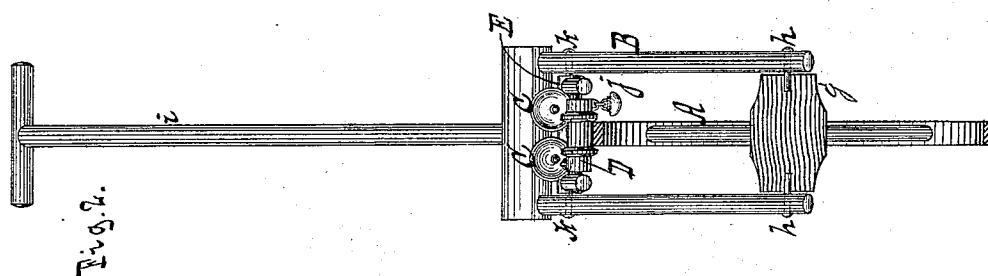
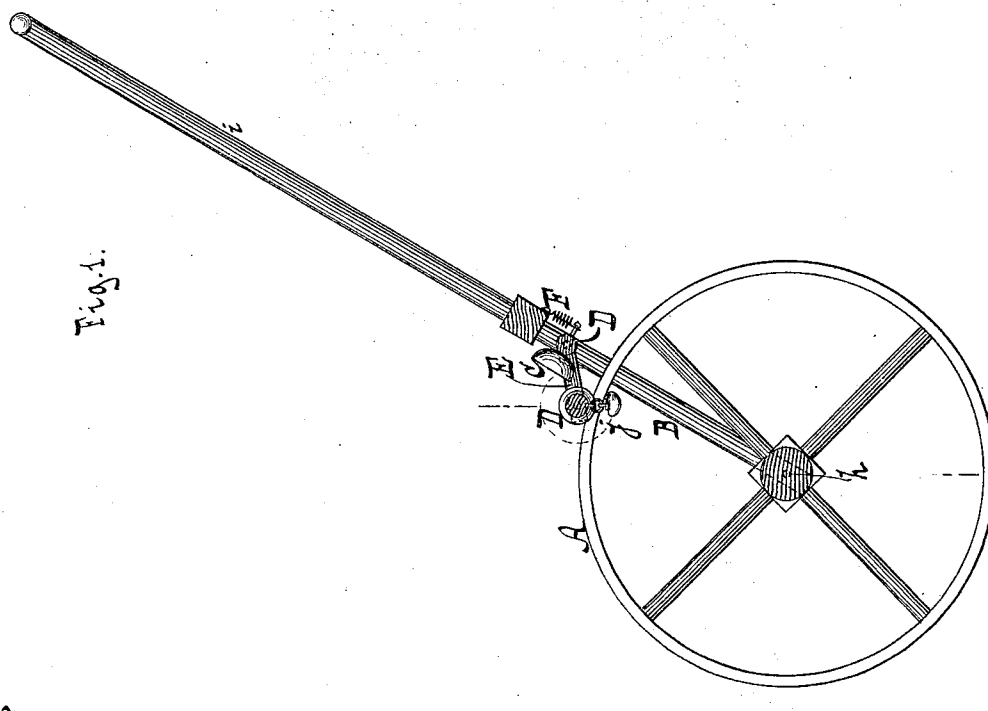
(No Model.)

J. L. M. DU FOUR.

TOY CHIME HOOP.

No. 249,030.

Patented Nov. 1, 1881.



Witnesses
Otto Sufeland
William Miller

Inventor
Joseph L. M. Du Four
by *Van Santvoord & Hauff*
his attys

UNITED STATES PATENT OFFICE.

JOSEPH L. M. DU FOUR, OF BLOOMINGTON, NEW JERSEY.

TOY CHIME-HOOP.

SPECIFICATION forming part of Letters Patent No. 249,030, dated November 1, 1881.

Application filed September 24, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH L. M. DU FOUR, a citizen of the United States, residing at Bloomington, in the county of Somerset and State of New Jersey, have invented new and useful Improvements in Toy Chime-Hoops, of which the following is a specification.

This invention consists in the combination, with a hoop or wheel and with the frame supporting the same, of one or more stationary bells and a hammer-shaft which revolves by frictional contact with the hoop; also, in the combination, with a hoop or wheel and with the frame supporting the same, of one or more stationary bells and a pivoted spring-actuated frame, which forms the bearings for the hammer-shaft, so that while the hammer-shaft is revolved by frictional contact with the hoop it can readily adapt itself to any inequalities in the periphery of said hoop.

This invention is illustrated in the accompanying drawings, in which Figure 1 represents a sectional side view. Fig. 2 is a front view, partly in section.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates the hoop or wheel, and B the hoop-frame; C, the bells or chimes; D, the hammer-shaft; E, the pivoted hammer-shaft frame:

The hoop A is constructed with a hub, *g*, having the frame B pivoted thereto by axial pivots *h*, the frame being bifurcated on its lower part to straddle the hoop, and provided with a handle, *i*, on the upper part thereof.

The bells C are fastened to the hammer-shaft frame E in a suitable manner, adjacent to the hammer-shaft D, the latter being mounted loosely in the frame, and being arranged in superficial or frictional contact with the hoop, while it carries hammers *j*, one to each bell, consisting of heads having a flexible connection with the shaft opposite to the bells. Said hammer-shaft frame E is hung on pivots *k*, parallel to the hoop-pivots *h* in the hoop-frame, and the spring F is connected to the hammer-shaft frame at one end and to the hoop-frame

at the opposite end, so as to act on the former with a tendency to retain the hammer-shaft D in frictional contact with the hoop.

By taking hold of the handle *i* of the hoop-frame the hoop can be rolled over the ground, and by the ensuing revolution of the hammer-shaft D, due to its contact with the hoop, the hammers *j* are caused to strike the bells C, whereby a very pleasing effect is produced. By the pivotal connection of the hammer-shaft frame E with the hoop-frame B and by the spring F the hammer-shaft D is permitted to adapt itself to any irregularities that may be formed on the rim or periphery of the hoop in use, without liability of its being brought out of contact therewith.

If desired, the bells C may be fastened to the hoop-frame B, instead of the hammer-shaft frame E, in suitable positions to be struck by the hammers, and the hoop-frame may be changed in various ways without deviating from my invention. For instance, the hammer-shaft and the frame carrying the same may be applied to a wheelbarrow, a baby-carriage, or any other device of a similar nature.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, substantially as hereinbefore set forth, with the hoop or wheel and its frame, of the stationary bells (one or more) and the hammer-shaft revolving by frictional contact with the hoop.

2. The combination, substantially as hereinbefore set forth, with the hoop or wheel and its frame, of the stationary bells, (one or more,) the hammer-shaft, and the pivoted spring-actuated frame forming the bearings for the hammer-shaft.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

JOSEPH L. M. DU FOUR. [L. S.]

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.