

N^o 11,743



A.D. 1913

(Under International Convention.)

Date claimed for Patent under Patents and Designs Act, 1907, being date of first Foreign Application (in Germany), } 1st Mar., 1913

Date of Application (in the United Kingdom), 20th May, 1913

(Patent of Addition to No. 8554 of 1913. Date claimed for original Patent under Patents and Designs Act, 1907, being date of first Foreign Application (in Germany), 13th Jan., 1913)

Complete Specification Accepted, 31st July, 1913

COMPLETE SPECIFICATION.

Improvements in Constructional Toys.

We, NÜRNBERGER METALL- & LACKIER-WAARENFABRIK, vorm. GEBRÜDER BING ACTIENGESSELLSCHAFT, of 16, Blumenstrasse, Nuremberg, in the Empire of Germany, Manufacturers of Metal Articles, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This application relates to an improvement in or modification of the invention described in our prior Patent Application No. 8554/13.

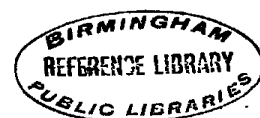
According to the said invention, the connection between the joint members and the locking or wedge members is made by means of pliers, the outer mouth of which has a width equal to the combined axial lengths of the joint member and the locking body. This comparatively large width of the mouth causes inconvenience in handling the pliers and makes the pliers only adapted for use with joint members of a certain axial length. These disadvantages are removed according to the present invention by the joint members having collar-like enlargements at the ends, and the jaws of the pliers being provided with a fork which fits behind the enlargements or shoulders on the joint members.

Such pliers are illustrated in the accompanying drawings, Figure 1 being a front view of the pliers, and Figures 2 and 3 side views of the two gripping jaws. Figure 4 shows the joint member and also the locking body to be connected therewith and the rod.

The joint member a at its ends has collar-like enlargements or shoulders y . The jaw q^1 of the pliers (Figure 2) is simply forked and the width of the fork is equal to the diameter A of the joint member a behind the shoulder y . The other jaw q^2 of the pliers (Figure 3) is also forked. The outer part of this second fork has the width A , whilst further inwards its width is only equal to the diameter of the rod d . Behind the pivot, between the handles of the pliers, there is an opening z , which is fluted or roughened on its inner face and is adapted to grip the rod d .

The pliers described are used as follows:—
In making the connection, the jaw q^1 of the pliers is placed behind the collar y over the joint member a and the contracted portion of the jaw q^2 is

[Price 8d.]



Improvements in Constructional Toys.

passed over the rod d behind the locking body f^1 and the whole is pressed together. The enlarged portion of the jaw q^2 is utilized when two joint members are to be pressed together. The opening z serves for gripping the rod d . The inner part t of the jaws is used for gripping the locking member when the connection is to be undone. 5

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A constructional toy as claimed in Patent Application No. 8554 of 1913, in which the joint members are provided at their ends with collarlike enlargements, and one jaw of the pliers is forked to fit behind these enlargements on the joint member, substantially as described. 10

2. A form of construction of the pliers as in Claim 1, in which the fork of the second jaw of the pliers is also enlarged over a portion of its length up to the width of the joint member behind the collar (y), substantially as described. 15

3. Pliers as in Claim 2, in which an opening provided behind the joint is adapted to fit on the rod with a gripping action substantially as described.

Dated this 19th day of May, 1913.

W. P. THOMPSON & Co.,
6, Lord Street, Liverpool, and at
Bradford & London,
Agents for the Applicants. 20

[This Drawing is a reproduction of the Original on a reduced scale.]

Fig. 1.

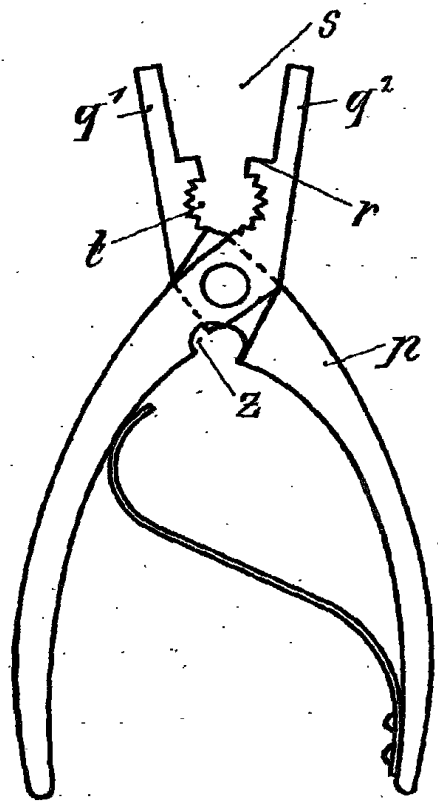


Fig. 2.

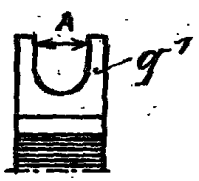


Fig. 3.

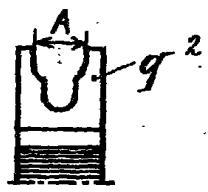
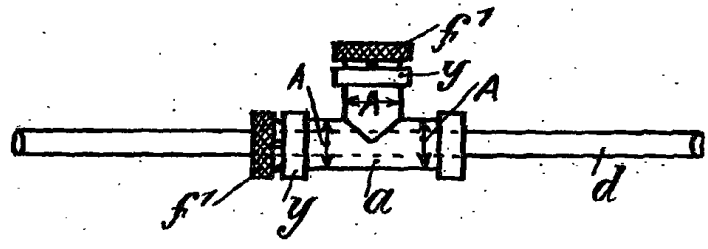


Fig. 4.



Maly & Sons, Photo-Litho.

