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Complete Specification
entitled (54) OPENING MECHANISM FOR LOWER JAW OR
BEAK FOR HAND PUPPET

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Related Art (56) Nil

The following statement is a full description of this invention, including the best method of performing it known to me:

This invention relates to the improved movements in the head and mouth of a puppet.

It makes it possible by use of a plunger to not only operate the mouth to give the impression of talking but also makes it possible to turn the head from side to side. These movements can be carried out either seperately or at the same time by use of the one plunger.

The invention will now be described with reference to the accompanying drawings in which:-

Figure 1 is a side view of a puppet head with mouth closed.

Figure 2 is a rear view of portion of neck tube showing operating plunger (3).

Figure 3 is section XX of puppet head Fig.1.

Figure 4 is side view of puppet head with mouth open.

The mechanism consists of two moving parts only:

- A. Upper part of a puppet head with an attached neck rod.
- B. The jaw (beak in case of bird) a hinged part attached to A by axle (1).

The neck rod is small enough in diameter to allow free movement in neck tube (C).

The neck tube is closed off at the bottom and has a fixed bar (2) attached to the top at right angles.

The neck tube has an opening in the rear allowing a plunger (3) which is attached to the neck rod to protrude through the opening.

The neck tube has a spring at the bottom which forces the neck rod up, but is prevented from moving too far by plunger (3). The movement of plunger (3)

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restricted by the size of the hole in the neck tube.

The fixed bar (2) moves inside a slot of the jaw (B).

When plunger (3) is depressed downwards against the tension of the spring, the upper head (A) will move down and the fixed rod (2) will open jaw (B).

When plunger (3) is released the head (A) will move up again and the fixed rod (2) will close jaw (B).

The plunger (3) by being moved sideways can move the head and jaw assembly from side to side. This movement is separate from the opening movement of the jaw. i.e. it is possible to move the head from side to side without opening the jaw.

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The claims defining the invention are as follows:

1. The invention consists of a puppet head to which is attached a spring loaded neck rod which is allowed to travel freely up and down and from side to side in a neck tube by means of an attached plunger which protrudes through an opening in the neck tube. The up and down movement is transferred to a loosely hinged jaw by means of a bar attached to the top of the neck tube. The bar travels inside a slot at the rear of the hinged jaw to allow free side movement of the puppet head without interfering with the up and down movement of the jaw.

Dated this 22nd day of February 1978

Kaye

WERNER HEINZ HARALD AXELRAD.

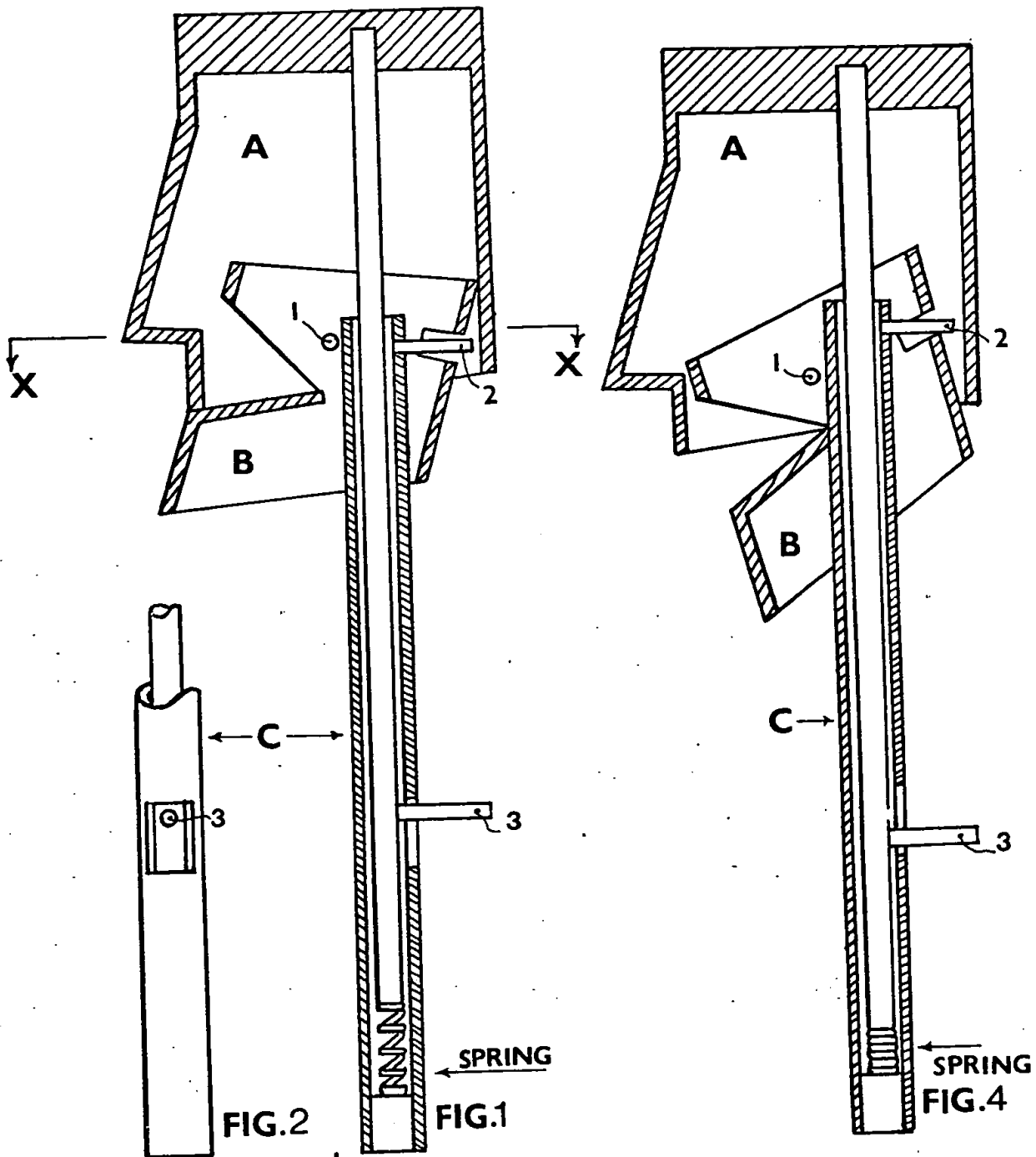


FIG. 2

FIG. 1

FIG. 4

FIG. 3 SECTION XX