

No. 692,374.

Patented Feb. 4, 1902.

E. J. SMITH.
JAR CAP OR CLOSURE.
(Application filed May 23, 1901.)

(No Model.)

Fig. 1.

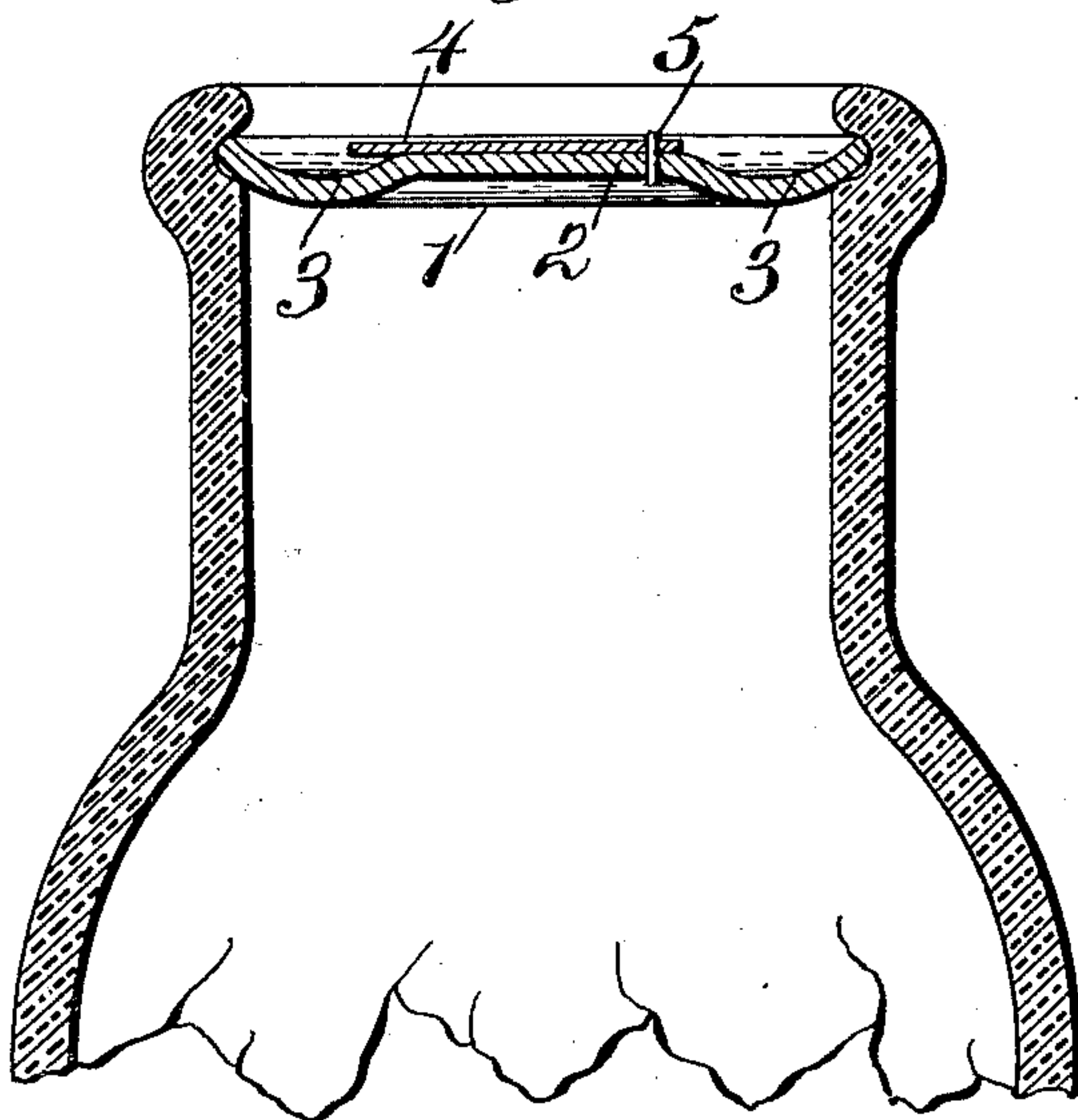


Fig. 2.

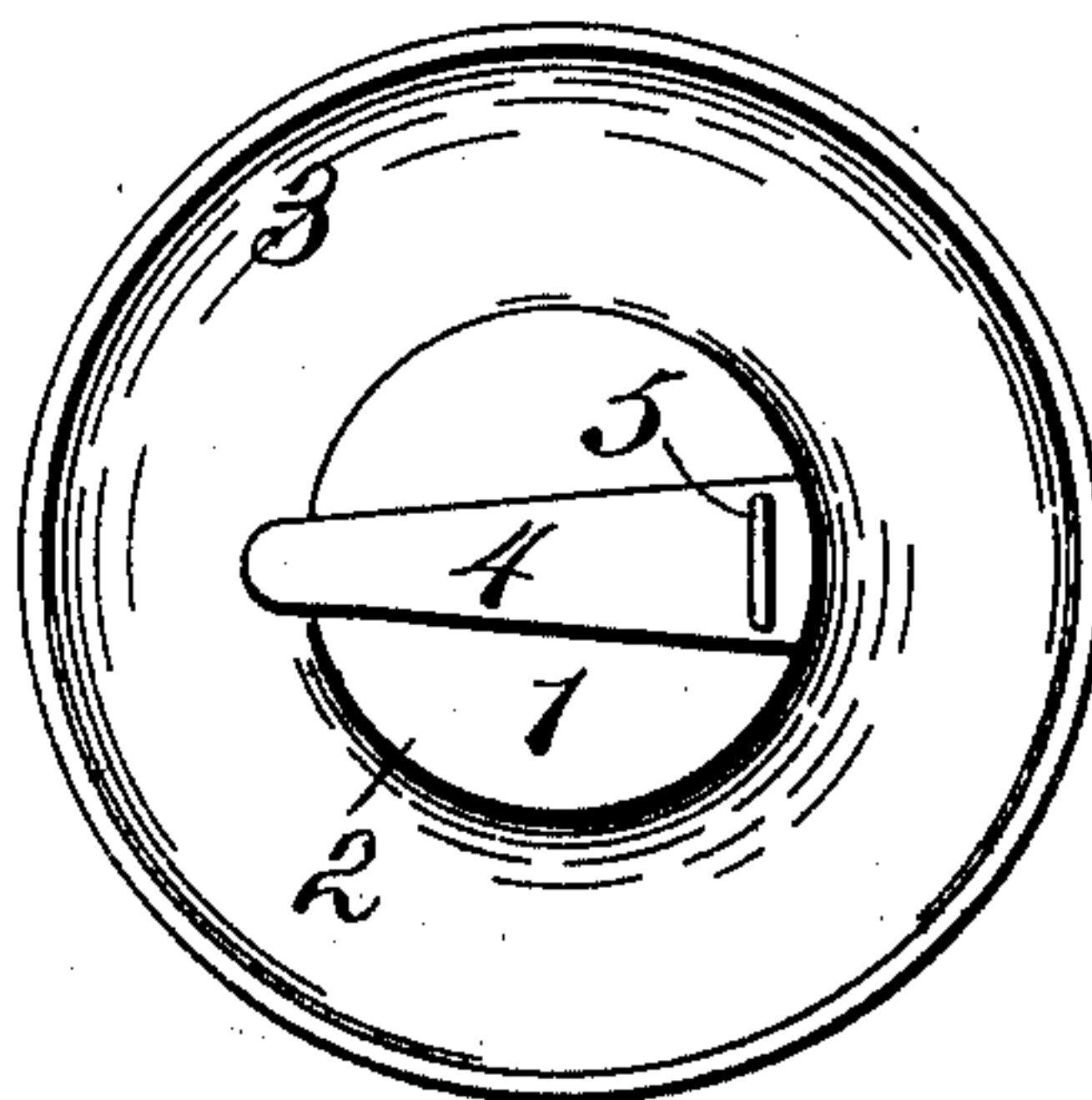
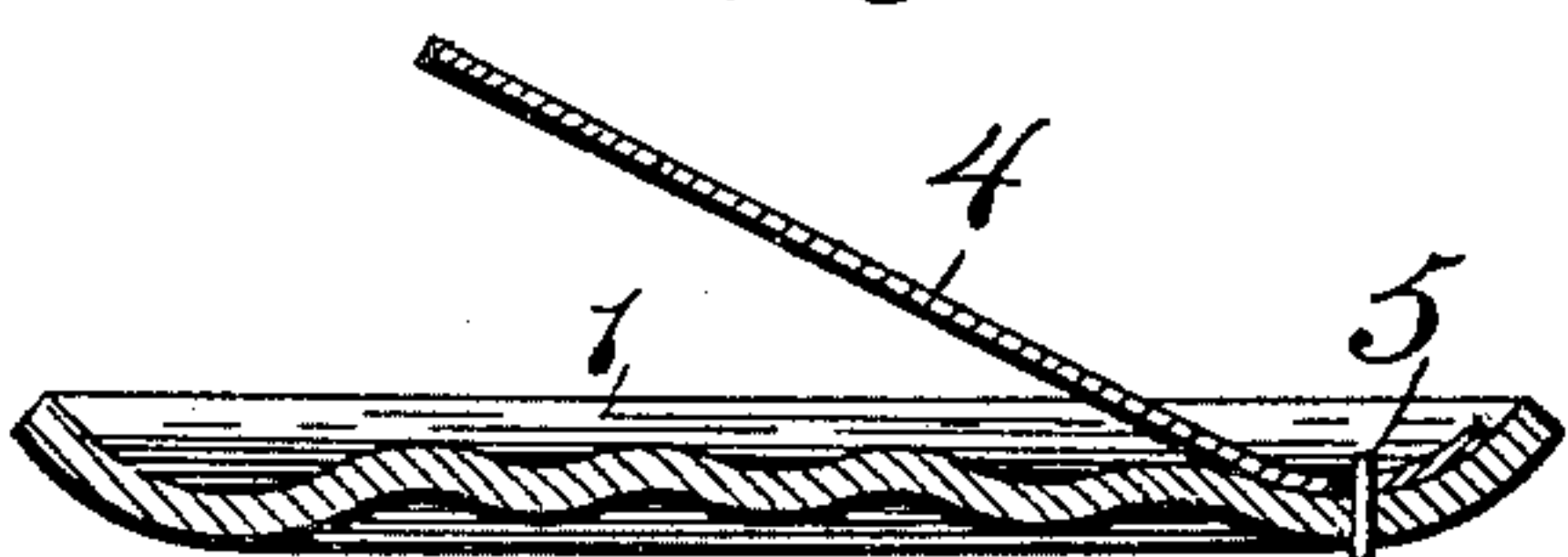


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

ELDRIDGE J. SMITH, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR
TO PERFECT JAR CAP COMPANY, OF ALEXANDRIA, VIRGINIA, A COR-
PORATION OF VIRGINIA.

JAR CAP OR CLOSURE.

SPECIFICATION forming part of Letters Patent No. 692,374, dated February 4, 1902.

Application filed May 23, 1901. Serial No. 61,604. (No model.)

To all whom it may concern:

Be it known that I, ELDRIDGE J. SMITH, a citizen of the United States, residing at Washington, District of Columbia, have invented certain new and useful Improvements in Jar Caps or Closures; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention has relation to jar caps or closures; and it consists in the novel construction and arrangement of the parts, as hereinafter described.

The object of my invention is to provide a cap or closure especially adapted to be used on jars. Said cap consists of an absorbent flexible material, such as paper, and being provided with a number of concentrically-arranged corrugations. Thus as the cap absorbs the moisture from the contents of the vessel the said cap will have a tendency to spread laterally, bringing its edge more firmly in contact with the inner surface of the mouth of the vessel, and thereby sealing the same more effectually than if the cap were made of a flat piece. By using the corrugated disk with its rim inclining upward and outward it will be readily seen that when impinging the side of the bottle or jar and entering the depression therein it will form a more effective brace against an upward pressure than if the disk were flat, so that thinner material may be used, if desired, in the construction of the cap.

The further object of my invention is to provide a cap of the nature as described with a handle, whereby the cap may be easily removed.

In the accompanying drawings, Figure 1 is a transverse sectional view of the upper portion of a milk-jar having a cap located in position therein. Fig. 2 is a top plan view of the form of cap as shown in Fig. 1. Fig. 3 is a transverse sectional view of a modified form of a cap.

As shown in Figs. 1 and 2, the cap 1 consists of a central flat raised portion 2, merging into a depression or corrugation 3, the edge of the cap inclining upward and outward. The cap being thus formed, it is easily slipped into the mouth of the bottle, and as it absorbs moisture from the contents it has a tendency to spread and more effectually close the mouth of the bottle. As is often the case, persons wishing to have frequent access to the contents of the bottle find it much more convenient than the use of the flat disk, for the reason that by holding to the handle they have perfect control in adjusting and removing the cap. The flexible handle 4 is attached, by means of a staple 5, to one side of the flat portion 2 of the top, the free end of the said handle extending over the depression 3 in such manner as to facilitate the slipping of the end of the finger under the end of the handle and elevating the free end of the handle from the cap. By a slight pull on the handle the cap can then be removed.

In the form of the invention as shown in Fig. 3 the cap 1 is provided with a series of concentrically-arranged corrugations. The handle 4 is attached by means of a staple 5, passing through the handle and the cap in the outer depression of the corrugated cap. This will maintain the free end of the handle 4 in a position substantially as shown in Fig. 3, and the handle can be readily grasped to remove the cap.

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

1. A cap consisting of a flexible absorbent material, said cap having concentrically-arranged corrugations, and a handle attached to the cap, the free end of said handle extending over the depression of a corrugation.

2. A cap consisting of a flexible absorbent material, said cap having concentrically-arranged corrugations, and a handle attached to the cap in the depression of a corrugation.

3. A cap adapted to fit in the mouth of a jar or bottle consisting of a flexible absorb-

ent material, said cap having near its outer edge a concentrically-arranged corrugation, the outer edge of the cap extending upward and outward and a handle attached to the cap.

- 5 4. A cap adapted to fit in the mouth of a jar or bottle consisting of a flexible absorbent material, said cap having near its outer edge a concentrically-arranged corrugation,

the outer edge of the cap extending upward and outward.

In testimony whereof I affix my signature in presence of two witnesses.

ELDRIDGE J. SMITH.

Witnesses:

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KATE C. ELLIOT.