

No. 881,325.

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H. F. MANIFOLD.

FLASK HINGE.

APPLICATION FILED AUG. 23, 1906.

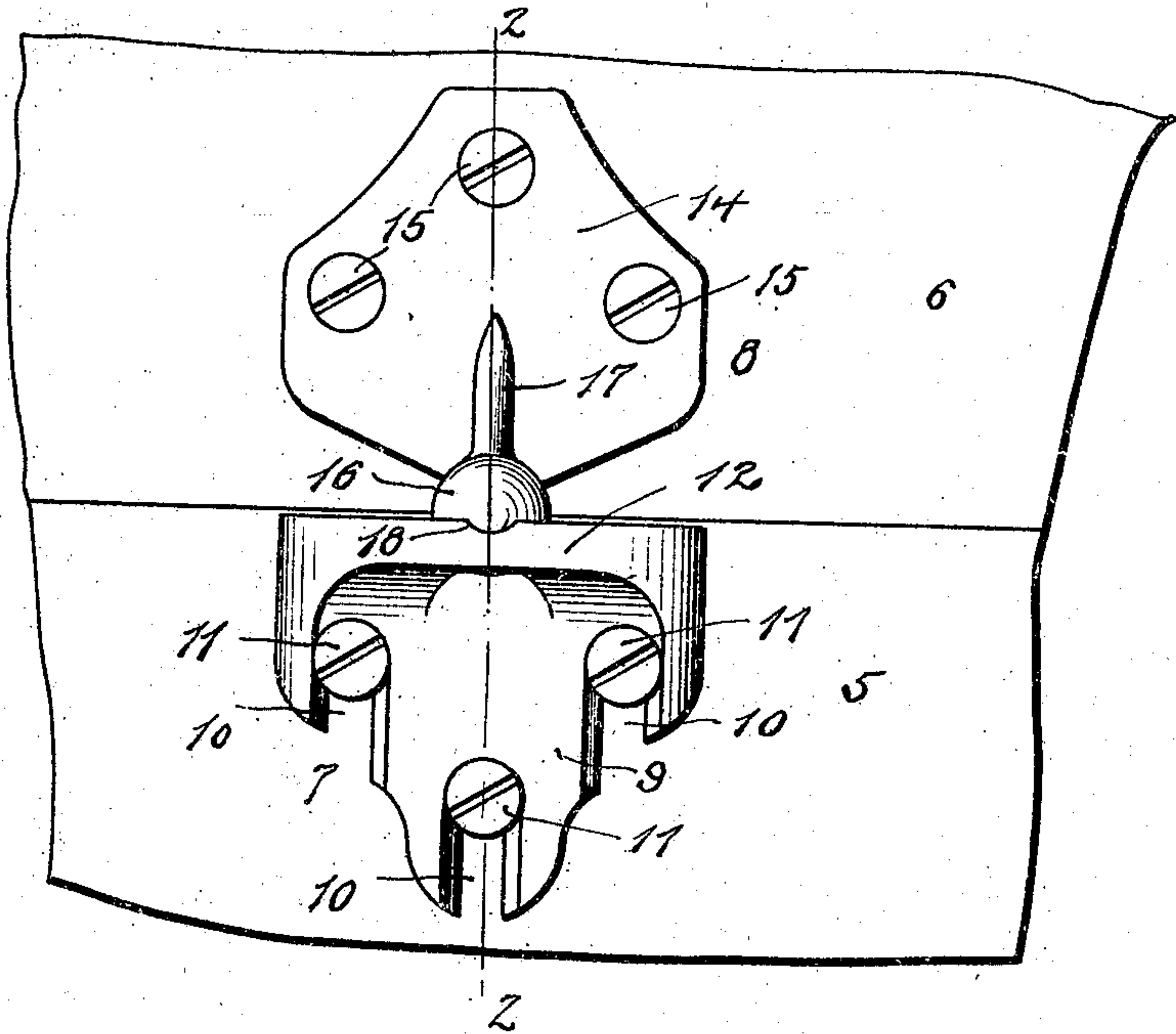


Fig. 1.

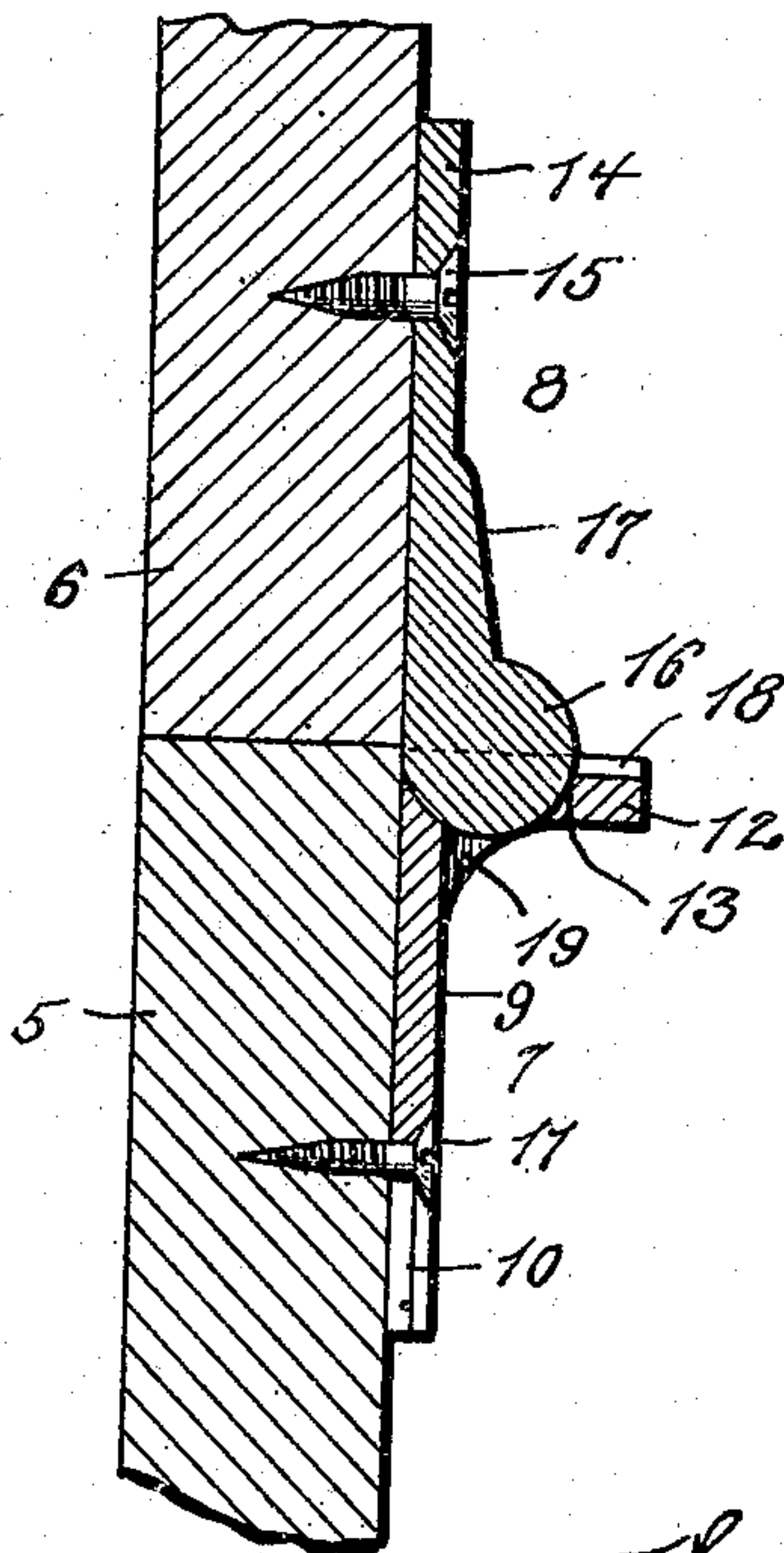


Fig. 2.

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HARRY F. MANIFOLD, OF AVONDALE, ALABAMA.

FLASK-HINGE.

No. 881,325.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed August 23, 1906. Serial No. 331,744.

To all whom it may concern:

Be it known that I, HARRY F. MANIFOLD, a citizen of the United States, residing at Avondale, in the county of Jefferson and State of Alabama, have invented new and useful Improvements in Flask - Hinges, of which the following is a specification.

This invention is a flask-hinge, and has for its object an improved hinge connection between the cope and drag of a molder's flask.

In the accompanying drawing, Figure 1 is a front elevation of the invention. Fig. 2 is a vertical section on the line 2—2 in Fig. 1.

Referring specifically to the drawing, 5 denotes the drag or lower half of the flask; and 6, the cope which is hinged to the former so that the parts may be separated. The two hinge members are indicated at 7 and 8, respectively.

The hinge member 7 is secured to the drag, and comprises a plate 9 having slots 10 to receive the screws or other fastening means 11 whereby the member is secured to the drag. At the top of the plate is a forwardly extending ledge or shelf 12, the top of which has a socket 13.

The hinge member 8 comprises a plate 14 having holes to receive screws or other fastening means 15 whereby it is secured to the cope. At the lower edge of the plate is a ball 16 which lies in the sockets 13 when the hinge members are assembled. The plate 14 has a strengthening rib 17 which extends upwardly from the ball. The top of the ledge has a groove 18 which extends forwardly from the

socket 13, and receives the rib 17 when the cope is swung outwardly. The ledge also has a vertical opening 19 which communicates with the socket so that the sand which falls from the flask may work its way out from the hinge members.

The hinge herein described is light and strong, and is particularly adapted for keeping the shift out of the flask when it is opened and closed. The ball will not crawl out of the socket if the hinge is not put on straight, and the parts will always match.

The back of the plate 14 extends tangentially from the ball 16, and there is no intermediate shank connecting the ball and plate, the latter being connected directly to the ball. This arrangement brings the ball close to the cope, and also renders it less liable to be broken off in use, and enables it to successfully withstand rough usage of the flask as when shaking out the sand, etc.

I claim:—

A flask-hinge comprising a plate secured to the cope, and having a ball at its lower edge, the back of said plate extending tangentially from the ball, and a socket member secured to the drag, and adapted to receive the ball.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HARRY F. MANIFOLD.

Witnesses:

VERNON BLACK,
Mrs. H. GRAY.