

Oct. 29, 1946.

C. J. DUMAIS

2,410,022

ARMOR

Filed Aug. 5, 1942

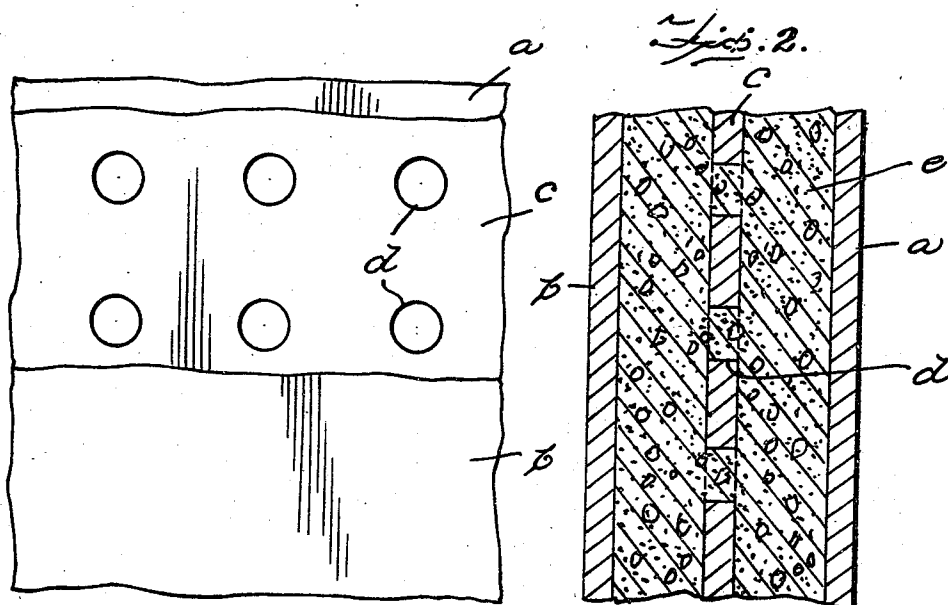


Fig. 1.

Inventor

Charles Joseph Dumais

By

Clarence A. O'Brien
and Harvey B. Jacobson
Attorneys

UNITED STATES PATENT OFFICE

2,410,022

ARMOR

Charles Joseph Dumais, Woonsocket, R. I.

Application August 5, 1942, Serial No. 453,744

1 Claim. (Cl. 109—83)

1

This invention relates to new and useful improvements in armored vehicles and more particularly to an armored fighting tank especially adapted for use in warfare.

These and other important objects and advantages of the invention will become apparent to the reader of the following description.

In the drawing—

Figure 1 is a fragmentary side elevational view of the wall plates of the tank before the aggregate has been poured.

Figure 2 is a fragmentary vertical sectional view through a wall portion of the tank showing the concrete filler.

The body or shell of the tank, not shown, comprises an outside wall *a*, an inside wall *b*, and an intermediate wall *c*, these walls being in spaced relation. The intermediate wall *c* is formed with openings and a concretious aggregate is poured in the spaces between the walls, with the openings serving to allow some of this aggregate to form binding connections between the wall

2

spaces. Thus a highly resistant shell structure is provided for tanks which will not only conserve steel but offer a highly effective barrier against gun fire.

5 While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

10 Having described the invention, what is claimed as new is:

15 In an armored tank structure, a body comprising an outside wall, an inside wall, a plane surfaced intermediate wall interposed between the inner and outer walls and in equidistantly spaced relation therewith, and a concretious deposit in the spaces between the walls, said intermediate wall being formed with openings so that the concretious deposit can connect between the spaces 20 before hardening.

CHARLES JOSEPH DUMAIS.