No. 747,425. PATENTED DEC. 22, 1903.

E. C. HODGES.

FOUNDATION.

APPLICATION FILED JULY 30, 1903.

NO MODEL.

FIG. 1.

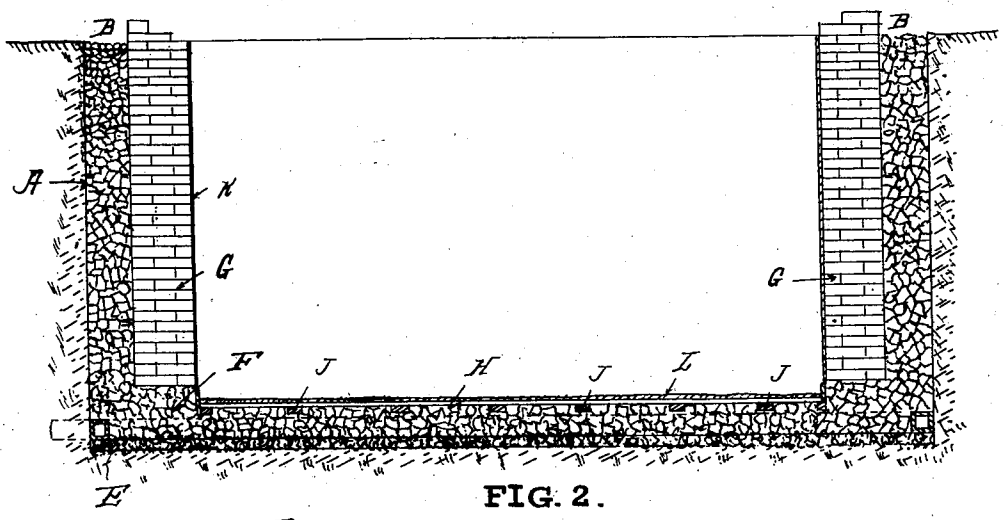
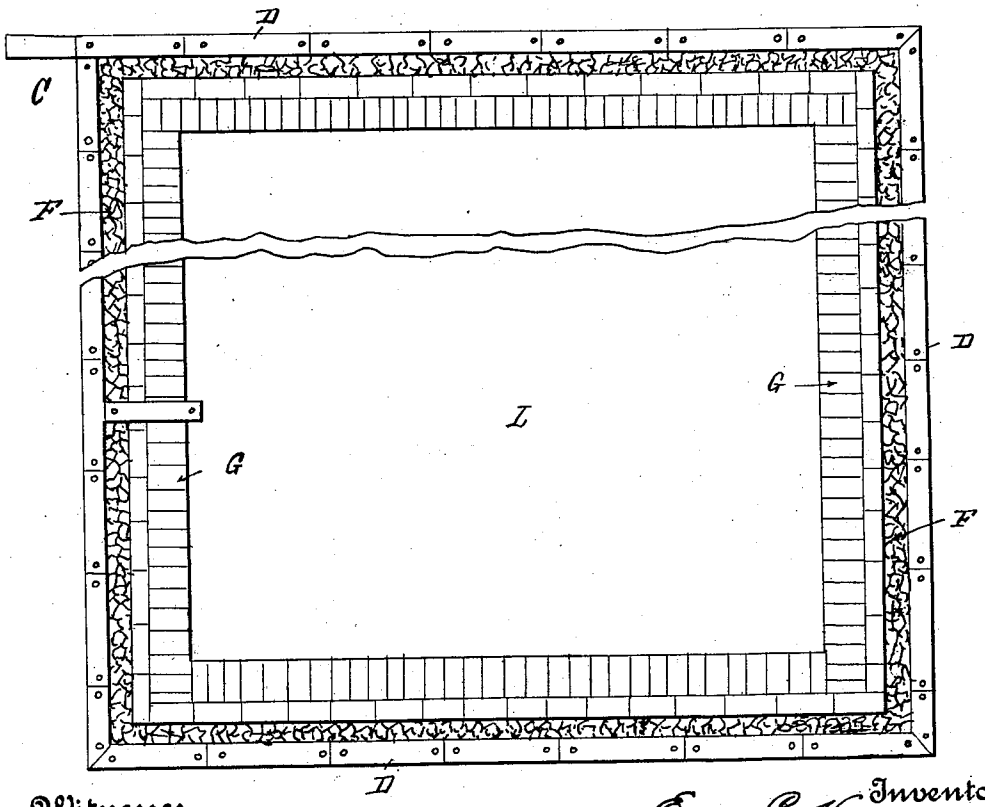


FIG. 2.



Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 747,425. Patented December 22, 1903.

UNITED STATES PATENT OFFICE.

EMERY C. HODGES, OF FARMER CITY, ILLINOIS.

FOUNDATION.

SPECIFICATION forming part of Letters Patent No. 747,425, dated December 22, 1903.

Application filed July 30, 1903. Serial No. 167,561. (No model.)

To all whom it may concern:

Be it known that I, EMERY C. HODGES, a citizen of the United States, residing at Farmer City, in the county of Dewitt and State of Illinois, have invented certain new and useful Improvements in Foundations, of which the following is a specification.

The invention relates to improvements in foundations, and the object of my invention is the provision of a foundation for buildings or structures which will absolutely prevent the accumulation of moisture or dampness, which cannot possibly settle, which can be produced at a comparatively small price, and which will be practical in every particular.

With this object in view my invention consists of a foundation embodying novel features of construction and combination of parts substantially as disclosed herein.

Figure 1 represents a sectional view of my complete foundation; and Fig. 2 represents a top plan view thereof, the layer of material which covers the drain being omitted.

In the drawings the letter A designates the ditch, which is about one foot wider than my foundation proper to provide a surrounding space B. At and surrounding the space near the lower portion thereof is the drain C, composed of a series of open tiles D, the purpose of which is to receive and carry off the accumulation of water and always insure the foundation being dry. This drain-tile rests upon a bed of fine stone or like material E, and upon this bed of material and in the surrounding space entire is the bottom and side layer of larger pieces of stone F. Within the space thus formed and resting against the layer of material F, I build the vertical walls G and at the bottom the flooring H, the floor having the usual supports or cross-strips J and the brick walls having the usual coating of plaster or the like K. If desired, I may place upon the space occupied by the floor or upon the floor itself a cement or like coating L. From this construction it will be seen that I provide a foundation which while being very firm and strong will carry the water or accumulation away from the walls and floor to the drain-tile, which will conduct it away from the foundation, and thus the foundation is always kept in a dry and healthy condition and settling or cracking of the walls is absolutely prevented.

I claim—

In combination with a ditch or cellar, a layer of fine broken material covering the entire bottom of the cellar, a drain resting upon said layer of material and extending around the entire outer edge thereof, a horizontal layer and side layers of larger broken material resting on the tile and layer of fine material and surrounding the entire bottom and side walls of the cellar, walls resting upon and against said layer of large broken material, and a floor resting upon the bottom layer of said larger broken material, the whole forming a solid foundation.

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

EMERY C. HODGES.

Witnesses:
ANDREW I. KOPH,
J. W. SINGER.