

(No Model.)

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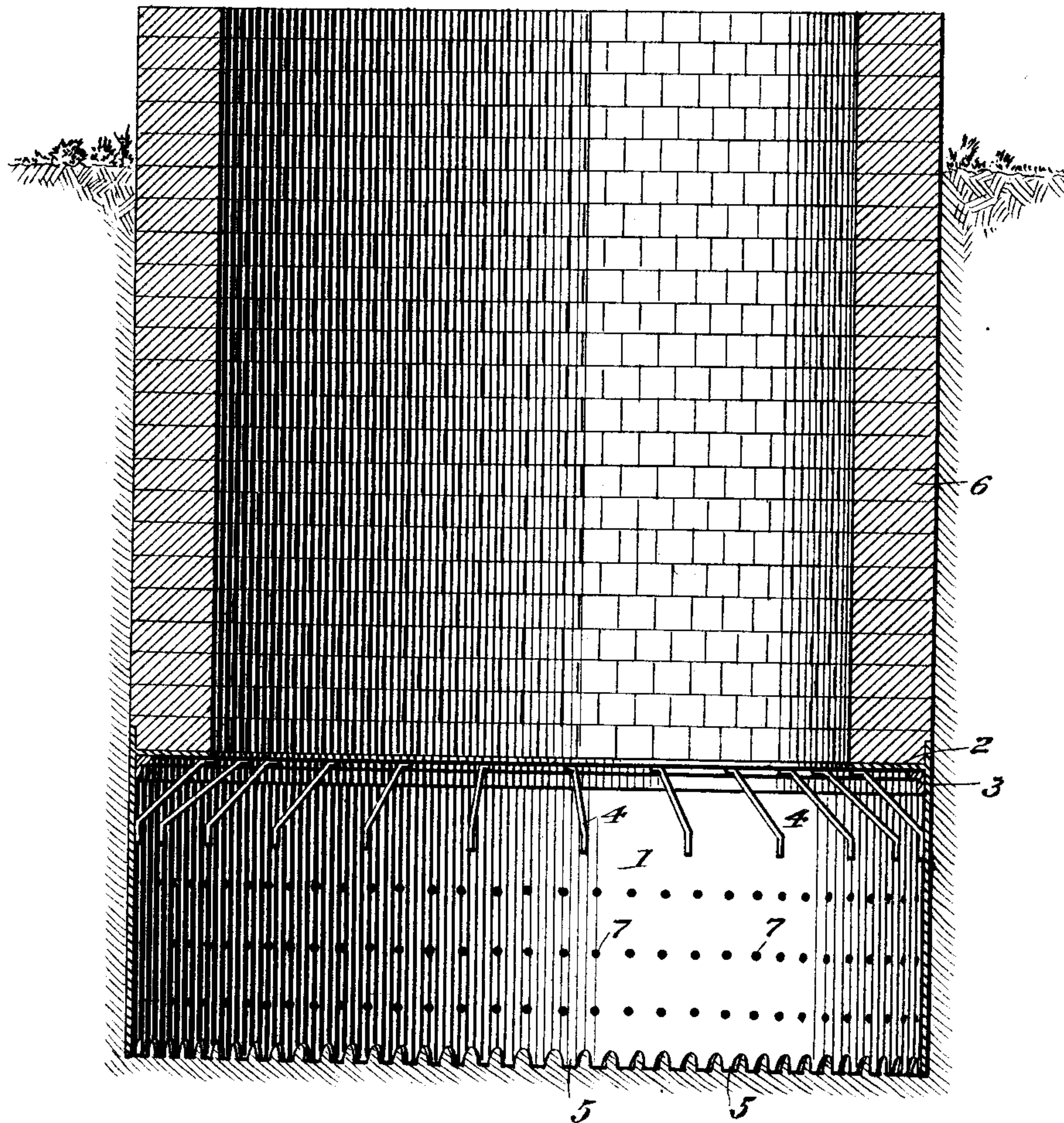
H. PIERING.

WELL.

No. 388,219.

Patented Aug. 21, 1888.

Fig. 1



WITNESSES:

J. Clark.
C. Sedgwick.

INVENTOR.

H. Piering.

BY:

Munn & Co.

ATTORNEY.

(No Model.)

2 Sheets—Sheet 2.

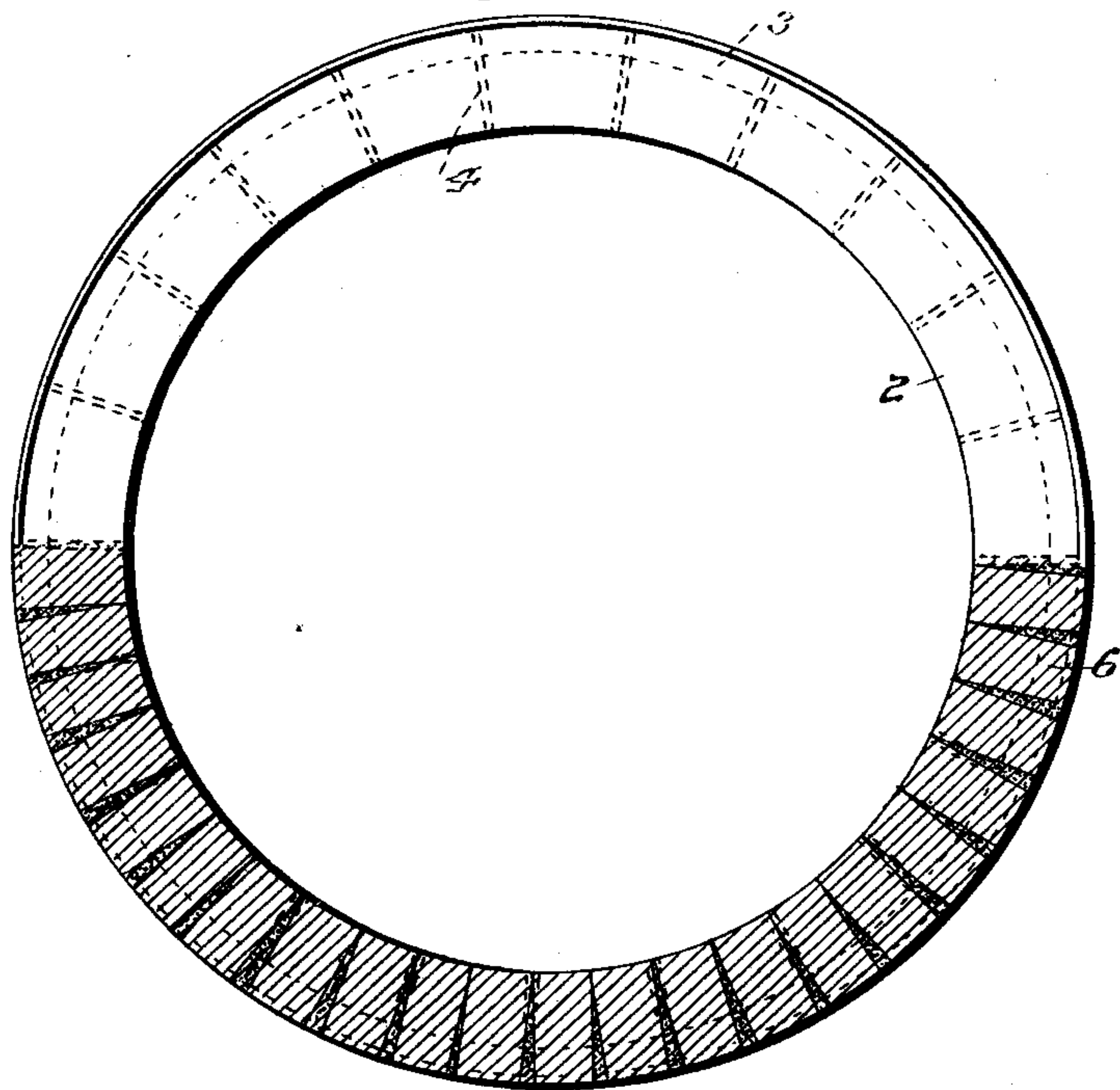
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Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY PIERING, OF NEW YORK, N. Y.

WELL.

SPECIFICATION forming part of Letters Patent No. 388,219, dated August 21, 1888.

Application filed April 19, 1888. Serial No. 271,180. (No model.)

To all whom it may concern:

Be it known that I, HENRY PIERING, of the city, county, and State of New York, have invented a new and Improved Well, of which
5 the following is a full, clear, and exact description.

This invention relates to wells, and has for its object to facilitate the construction of wells and provide a strong, serviceable, and durable well.
10

The invention will be set forth in the following description, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate
15 corresponding parts in both the views.

Figure 1 is a vertical section of a well constructed in accordance with this invention, and Fig. 2 is a plan view showing a portion of the curbing and the curb-support.
20

In constructing wells a temporary framework has been employed to support the walls of the well-hole as it was excavated and the lining or curbing of the well built up, which
25 framework in its construction and removal involved much time, labor, and expense. In carrying out this invention the supporting framework is dispensed with and a curb-support employed, upon which the curbing or
30 lining of the well is built and which gradually sinks with the curbing while the well-hole is being excavated by the increasing weight of the curbing as the latter is built up.

A well is constructed according to my invention in the following manner: A well-hole is excavated a few feet in the ground and a
35 metallic cylindrical curb-support, 1, placed on the bottom thereof. The curb-support 1 is of a suitable height and is formed with an annular strip or flange, 2, at its top equal in
40 width to the well-curbing which is built thereon. The flange 2 is supported by a ring, 3, of angle-iron, fastened to the inner wall of the support 1 and braced by inclined rods 4, bolted
45 to flange 2 and the external wall of support 1.

The lower edge of the latter is formed with cutting-teeth 5, or a sharpened edge, as desired, to aid in the sinking of the support. By means of this construction of the flange 2 and its braces it is capable of supporting a
50 heavy superimposed weight. The support 1 being placed in the bottom of the partly-excavated well-hole, as before mentioned, the masonry curbing 6 is built up from the flange 2, and, resting thereon, as the building of the
55 curbing progresses causes by its increasing weight the support 1 to be gradually sunk as the excavating of the well-hole progresses downward. In this way the support 1 is finally brought to the bottom of the well-hole and the
60 masonry curbing 6 built, the support 1 remaining at the bottom of the well. In order to provide for the admission of water the wall of the support 1 is formed with holes or perforations 7, which are kept plugged up while
65 the support 1 is being sunk. When the well is finished, the plugs are removed from the holes 7 to permit water to enter.

By means of this invention a well may be easily and simply constructed in an expeditious
70 manner. The well-hole may be excavated in any suitable manner and the flange and curb constructed as desired.

Having thus fully described my invention, I claim as new and desire to secure by Letters
75 Patent—

1. A cylindrical well-curb support, 1, having perforations 7, cutting-teeth 5, flange 2, with angle-iron annular support 3, and brace-
80 rods 4, substantially as described.

2. A well constructed with the cylindrical curb-support 1, having perforations 7 and cutting-teeth 5, and flange 2, with angle-iron annular support 3, and brace-rods 4, and the masonry curbing 6, resting on flange 2, substantially as shown and described.
85

HENRY PIERING.

Witnesses:

EDWARD W. CADY,
C. SEDGWICK.