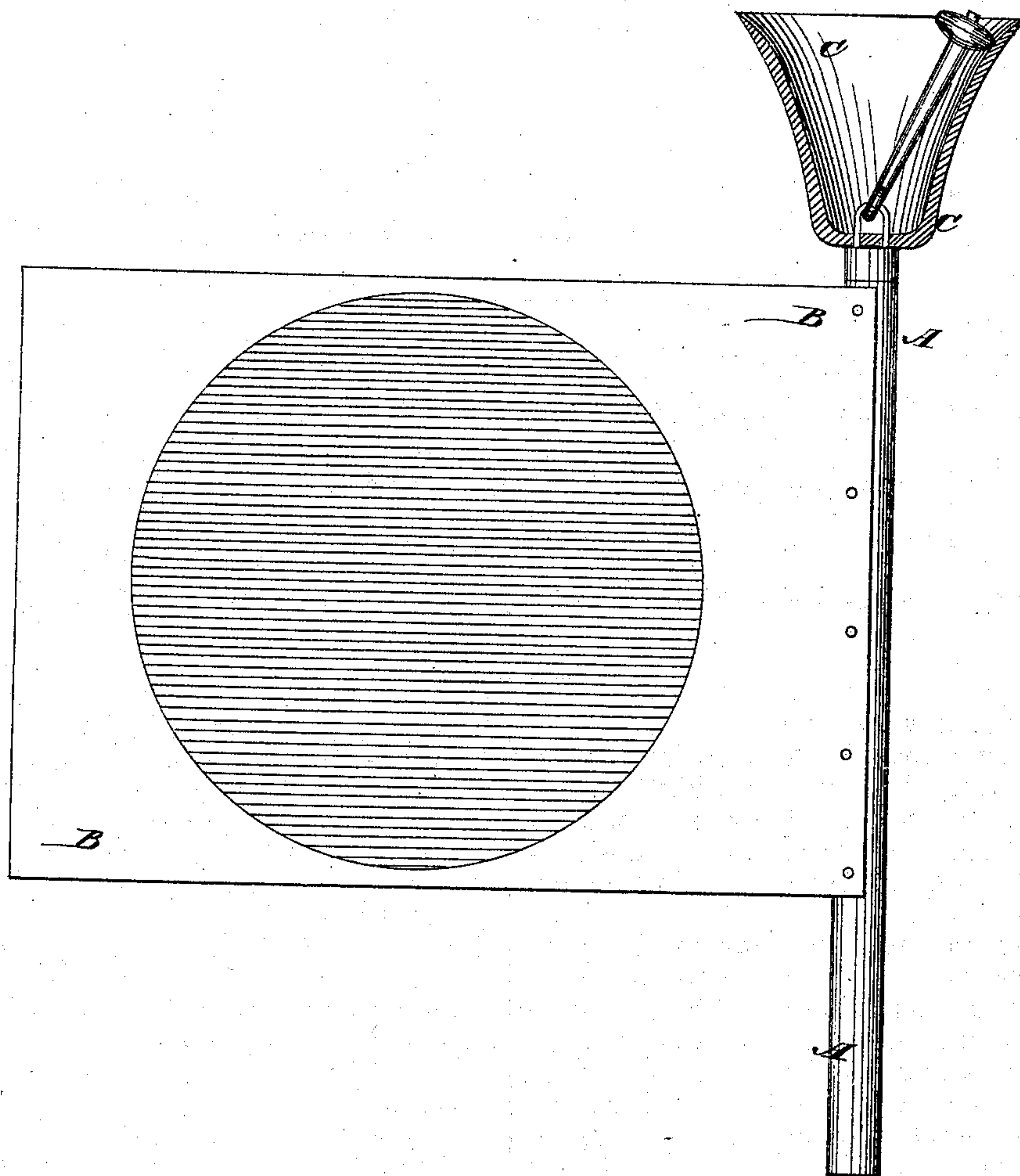


S. BROWN.
HAND-SIGNALS FOR RAILROADS.
No. 182,410. Patented Sept. 19, 1876.



WITNESSES:

Francis M. Arndt,
John Goethals

INVENTOR:

S. Brown

BY

Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

SAMUEL BROWN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
EDWARD D. STOKES AND SAMUEL BAYLE, OF SAME PLACE.

IMPROVEMENT IN HAND-SIGNALS FOR RAILROADS.

Specification forming part of Letters Patent No. **182,410**, dated September 19, 1876; application filed
July 31, 1876.

To all whom it may concern:

Be it known that I, SAMUEL BROWN, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Railroad-Crossing Signals, of which the following is a specification:

The figure represents my improved signal, partly in section to show the construction.

The object of this invention is to furnish an improved signal for use at railroad-crossings and in other dangerous places, which shall be so constructed as to appeal to both sight and hearing, and shall thus be more effective for the prevention of accidents than the ordinary signals, which appeal only to the sight.

The invention consists in connecting a staff, flag, and bell so as to form a hand-signal for railroad-crossings.

A represents a rod, staff, or handle, to which an ordinary signal-flag, B, is attached in the

usual way. To the end of the staff A is attached a bell, C, a rattle, or other sounding device, so that it may sound when the flag is waved, and thus call to it the attention of those who may be looking the other way, and who might not observe the signal.

Instead of a flag, a lantern or other sight-signal may be used, so as to give a sight and a sound signal at the same time.

I am aware that an audible and visible signal have been conjoined, and the junction is not broadly new; but

What I claim is—

A hand-signal for railroad-crossings, consisting of the staff A, flag B, and bell C, arranged substantially as shown and described.

SAMUEL BROWN.

Witnesses:

LISLE STOKES,
WM. LOWERY.