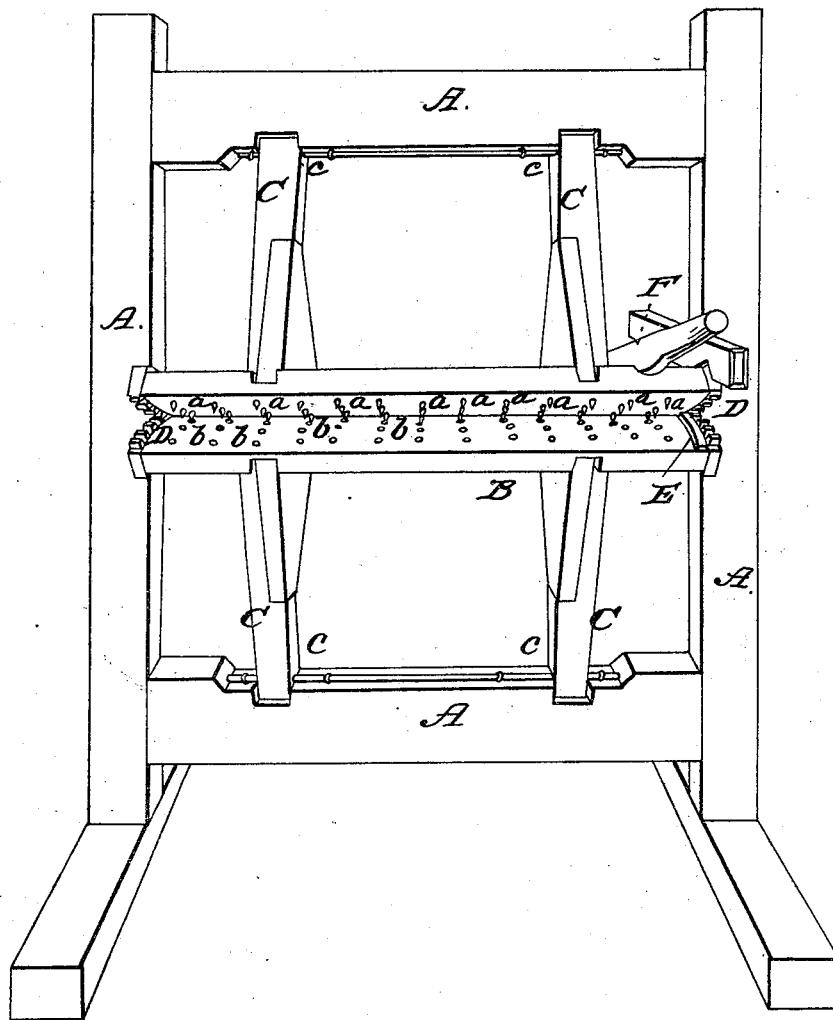


A. H. TEEPLE.

Metal Punch.

No. 4,727.

Patented Aug. 28, 1846.



UNITED STATES PATENT OFFICE.

ANDREW H. TEEPLE, OF NEW YORK, N. Y.

MACHINERY FOR PUNCHING METALLIC SHEATHING.

Specification of Letters Patent No. 4,727, dated August 28, 1846.

To all whom it may concern:

Be it known that I, ANDREW H. TEEPLE, of the city of New York, in the State of New York, have invented a new and useful Man-
ner of Constructing Machines for the Punch-
ing of Copper or other Metallic Sheathing;
and I do hereby declare that the following
is a full and exact description thereof.

In the machines for the punching of
sheathing heretofore used, a platen, or fol-
lower, has been brought down upon the
sheets, and by means of points or punches,
projecting therefrom, the holes have been
punched in the sheets, but this process is
slow and inconvenient, much difficulty being
found in the ready removal of the plates
after being punched.

In the accompanying drawing I have rep-
resented my improved machine in which all
these difficulties are obviated.

A, A, is the frame which sustains two
plates B, B which are segments of cylinders,
of such length and width as are necessary to
adapt them to the receiving of the sheets to
be punched. From one of these plates pro-
ject punches, or points *a, a* and the other is
furnished with corresponding holes, *b, b*.
C, C, are arms firmly attached to the backs
of the segment plates, and working on joint
bolts, or centers, at *c, c*; these bolts or cen-
ters, being in the centers of curvature of the
plates B, B. These segment plates I gear
together by suitable toothed segments, D, D,
at their ends. E, is a gage strip to serve
as a guide in laying the sheets upon the
machine. F, is a cross bar attached to the
back of the upper segment, enabling a hand
on either side of the machine to give it the
necessary vibration; G, is a stop piece which
arrests the segment plates when they have
moved to the proper distance.

In using this machine there is a person
stationed on each side of it to feed on, and
to remove the sheets; those fed on by one of

them being removed by the other, while a
third hand may be employed in vibrating
the segments. The faces of the segment
plates may be made either of sheet or cast
iron, as may be preferred. The curved form
of these plates renders the punching per-
fectly easy, and obviates all difficulty in the
removal of the punched sheets, as they are
delivered on each side perfectly disengaged
from the punches.

Having thus fully described the manner
in which I construct my machine for punch-
ing metallic plates for sheathing, and shown
the operation of the same, what I claim
therein as new and desire to secure by Let-
ters Patent, is—

The manner in which I have combined
and arranged the respective parts thereof,
so as to adapt it to the purpose in view;
that is to say, I claim the combining and
arranging of the segment plates, with their
punches and corresponding cavities as de-
scribed, said plates being geared together at
their ends, and working upon suitable cen-
ters, the respective parts operating, and be-
ing operated upon, substantially as herein
set forth; and I will here remark that
double chains at each end, attached and ar-
ranged in a manner well known to machin-
ists, may be substituted for the toothed gear-
ing; the vibration of the segments also may
be effected by a crank motion, and other
changes may be made in the particular man-
ner of arranging some of the parts herein
pointed out, without in any way departing
from the general principle, or manner
of construction, upon which the value of
my machine is dependent; and I do not,
therefore, intend by anything herein con-
tained to limit myself in these particulars.

A. H. TEEPLE.

Witnesses:

JOHN MCARDLE,
EDWARD W. BISHOP.