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S. BEGUN

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SPOOL UNIT FOR ELECTROMAGNETIC TALKING MACHINES

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Fig. 1

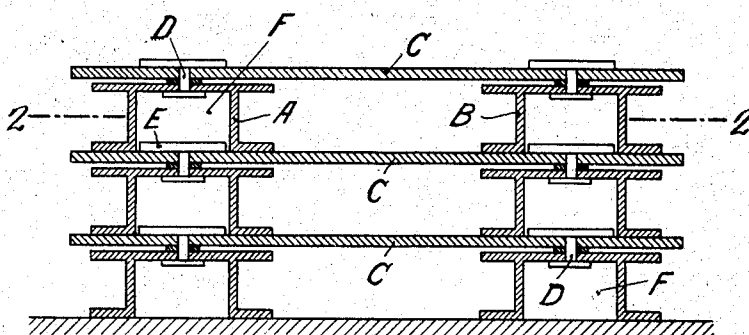
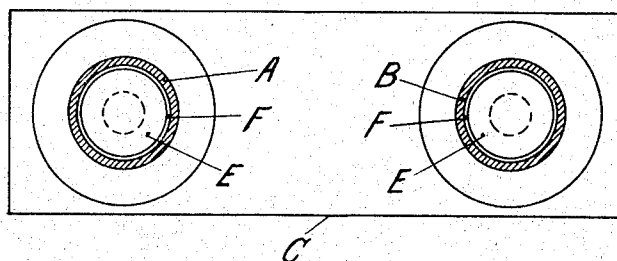


Fig. 2



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UNITED STATES PATENT OFFICE

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SPOOL UNIT FOR ELECTROMAGNETIC
TALKING MACHINESSemi Begun, Berlin, Germany, assignor to C.
Lorenz Aktiengesellschaft, Berlin-Tempelhof,
GermanyApplication March 12, 1935, Serial No. 10,630
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4 Claims. (Cl. 242—54)

Electromagnetic talking machines or telegraph-
phones are known whose spools carrying the
sound-recording steel wire or tape are in pairs
mounted in a frame or casing, so that each of
these sets of spools can be readily replaced by
another set.

The sets of spools should be adapted to be
stored in a convenient manner, in order that any
number of records, each impressed on a wire or
tape, may be collected and thus be ready for
reproduction at any time. Containers or boxes
of special construction have been employed to
such end.

The invention avoids the necessity for means
of this nature. The arrangement here proposed
is cheaper and occupies less place than prior ones.

In the novel arrangement the sets of spools are
so constructed that they can be placed one above
the other without being liable to become displaced
horizontally with respect to each other.

One embodiment of the invention is described
hereafter by way of example, reference being had
to the accompanying drawing in which

Fig. 1 is a sectional elevation of superposed sets
of spools, these sets being constructed in accordance
with the invention, Fig. 2 shows a section
through this arrangement on the line 2—2 of
Fig. 1.

The spools intended to receive the recording
wire or tape in a well-known manner are designated
A and B. They are rotatably suspended from a
frame piece C which in the case shown consists of
a plate but may be of any other suitable configuration.
The pairs of spools A, B are secured to the frames C
by rivet-shaped bodies D having heads E adapted to be
received by hollows F of the spools A, B. The recording
body is not shown.

When one of the sets of spools is placed on
another in the manner seen in Fig. 1, the two
heads E of the lower set enter the hollows F of
the upper set and then act to prevent the sets
from getting displaced horizontally with respect
to each other. In this way, any desired number
of sets may be stored up without the aid of containers
or any other means separate from the sets of spools.

What is claimed is:

1. The combination of two record bearing units
for electromagnetic talking machines, each of
said units comprising a frame and spools suspended
from one side of said frame, the frame of one of
said units having projections and the spools of the
other of said units having recesses, said projections
being adapted to engage said recesses when said two
units are placed together and the spools of said second
mentioned unit being adapted to contact the frame of
said first mentioned unit in a suitable manner where-
by said two units when stacked together are adapted
to be held in substantially fixed relationship.

2. A spool unit for electromagnetic talking
machines, comprising a set of spools and a plate
member adapted to carry said set of spools, said
spools being rotatably secured by fastening means
to said plate member, a second set of spools provided
with recesses, said fastening means extending to the
other side of the plate member to engage the spool
recesses of said second set of spools when said sets
are stacked directly upon each other.

3. The combination of two record bearing units
for electromagnetic talking machines, each of said
units comprising a frame plate and two spools
rotatably suspended from one side of said plate by
fastening means extending through said plate, the
fastening means of one of said units forming
projections on the side of the plate remote from said
spools, the spools of the other of said units having
recesses at the ends remote from the fastening plate,
said projections being adapted to engage said recesses
when said two units are placed together.

4. A spool unit for electromagnetic talking
machines comprising a set of spools rotatably
secured to a frame piece by fastening means
extending through said frame piece, said fastening
means and said spools forming top nesting portions
and bottom nesting portions for said unit, the top
nesting portions of said unit being adapted to so
engage the bottom nesting of another similar unit
when said other unit is placed on top of said first
unit that the two units are held against relative
motion.

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