

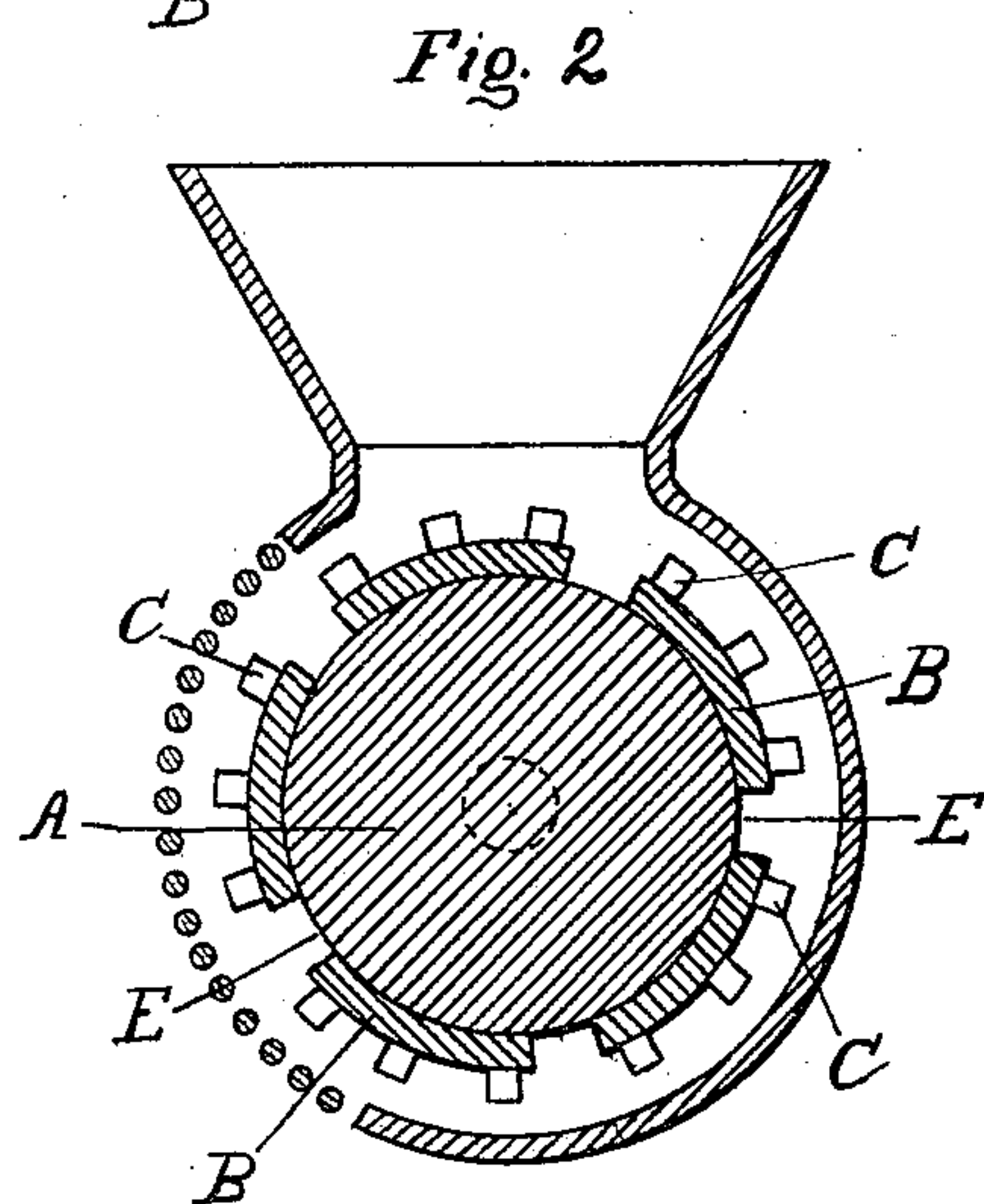
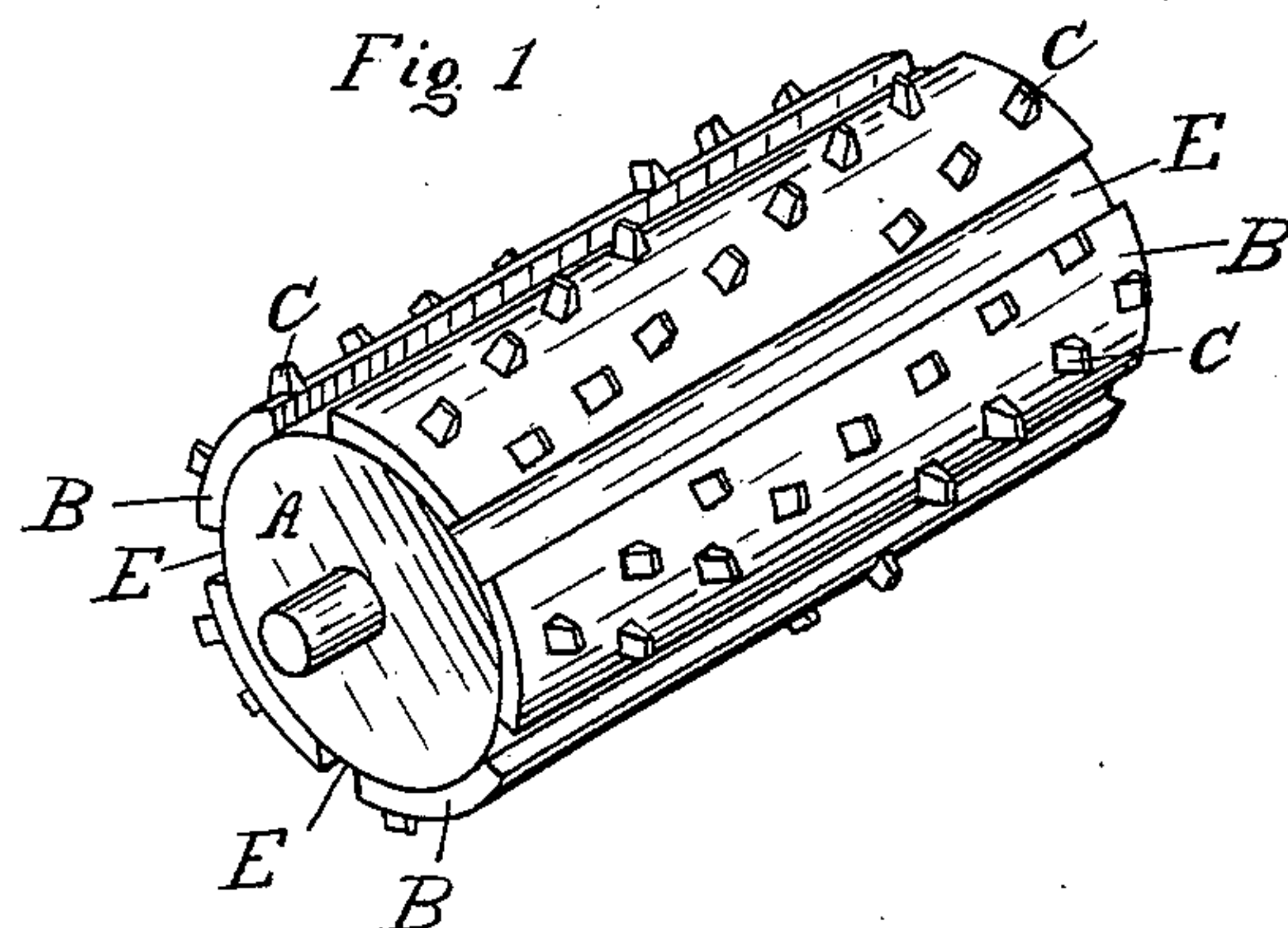
(No Model.)

H. POUCHER.

CYLINDER FOR CORN SHELLERS.

No. 379,603.

Patented Mar. 20, 1888.



Witnesses:

P. M. Hubbert,
J. A. Whittemore.

Inventor:

Henry Poucher.
By Adolph Barthel,
Att'y.

UNITED STATES PATENT OFFICE.

HENRY POUCHER, OF BROOKLYN, MICHIGAN.

CYLINDER FOR CORN-SHELLERS.

SPECIFICATION forming part of Letters Patent No. 379,603, dated March 20, 1888.

Application filed July 25, 1887. Serial No. 245,254. (No model.)

To all whom it may concern:

Be it known that I, HENRY POUCHER, a citizen of the United States, residing at Brooklyn, in the county of Jackson and State of Michigan, have invented certain new and useful Improvements in Cylinders for Corn-Shellers, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to new and useful improvements in shelling-cylinders for corn-shell-
ers; and the invention consists in a shell-
ing-cylinder with a series of longitudinal
grooves of a size approximating that of an ear
15 of corn, as more fully hereinafter described and claimed.

In the drawings which accompany the specification, Figure 1 is a perspective view of the shelling cylinder detached. Fig. 2 is a cross-
20 section thereof, showing it in connection with a concave.

A is the body of the cylinder, preferably in the form of a wooden roller.

25 B is a series of segmental cylindrical plates or castings of iron, secured to the face of the cylinder at regular intervals in any suitable manner, and provided with the shelling-teeth C, spirally arranged thereon and constructed in any known manner. These plates do not
30 form a continuous face, as in the ordinary construction of corn-shell-ers, but are so placed as to form longitudinal grooves E between them, which are preferably of a size to admit of the corn-cobs in their longitudinal direction.

In practice the corn, at a certain point of 35 the shelling action, will drop into the grooves, and the sharp edges of the plates add additional value to the action of the teeth. Thus the shelling-surface of the cylinder is largely increased over what it would be if the grooves 40 were absent.

As I have found by practical operation of the machine, I am enabled, besides, with a cylinder of this construction to shell green corn, which could not be shelled in a machine of ordi- 45 nary construction; and as the cobs, at one time or another in their passage through the sheller, will be received in these grooves and subjected to the shelling action of the edges of the plates, the corn will receive more thor- 50 ough shelling at the same time.

What I claim as my invention is—

The corn-shelling cylinder described, consisting of the roller A and the segmental cylindrical metal plates having parallel longi- 55 tudinal edges and carrying shelling-teeth and secured to said roller at regular intervals, leaving between their adjacent edges longitudinal grooves E, approximating in width that of an ear of corn, substantially as and for 60 the purpose specified.

In testimony whereof I affix my signature, in presence of two witnesses, this 16th day of July, 1887.

HENRY POUCHER.

Witnesses:

N. G. KING,
GAYLE KING.