

Dedicated to Professor James Hall, a most earnest promoter and eminent patron of the natural sciences.

*71. *AGARICUS POLYCHROUS* Berk.

Pileus fleshy, convex, smooth, viscid, yellow, the disk reddish or brownish, the margin sometimes wavy; lamellæ close, emarginate and decurrent-toothed, yellow, then ferruginous; stipe firm, solid, equal, often curved, yellow; plant gregarious or cæspitose.

Height 1'-2', breadth of pileus 9"-18".

Ground and rotten wood in pastures and woods. Very common. August–November.

The veil is webby, fugacious.

Subgenus—*Naucoria*.

Stem cartilaginous externally; margin more or less convex; pileus inflexed.—Berk. *Outl.*

The spores are ferruginous, or brownish-ferruginous. The color of the pileus is some shade of yellow. The stipe is not distinctly annulate, but sometimes a slight spore-stained band marks the place of the obsolete annulus.

SYNOPSIS OF THE SPECIES.

Pileus umbonate.....	a.
a. Stem hollow, tapering toward the base.....	72.
a. Stem hollow, equal.....	73.
a. Stem solid.....	74.
Pileus not umbonate.....	b.
b. Stem hollow.....	c.
c. Pileus hygrophanous.....	75.
c. Pileus not hygrophanous.....	76.
b. Stem solid or stuffed.....	d.
d. Stem solid, margin of pileus recurved.....	77.
d. Stem containing a pith.....	78.

72. *AGARICUS VERNALIS* n. sp.

Pileus thin, fleshy, convex, then a little depressed, with a deflexed margin, umbonate, hygrophanous, dull yellow, darker when moist; lamellæ narrow, attached, cinnamon-color; stipe long, flexuous, striate-sulcate, hollow, tapering downward, white-villous at the base, brownish.

Height 2', breadth of pileus 8"-12", stipe 1" thick.

On rotten wood. Greenbush. May.

73. *AGARICUS LIGNICOLA* n. sp.

Pileus thin, convex, umbonate, smooth or slightly fibrillose, hygrophanous, watery cinnamon and the margin striatulate