

Iowa State College Library



FIFTEENTH  
Annual Commencement  
IOWA STATE COLLEGE  
OF  
Agriculture & Mechanic Arts,  
COLLEGE CHAPEL,  
Wednesday, November 10, 1886.  
AMES, IOWA.



U.S. H.  
VINNIE  
CLANCY

*A posse ad esse.*

# List of Graduates with the Subjects of Theses

## Course in Civil Engineering, (B. C. E.)

### *A Pratt Truss Bridge.*

JAMES W. BRADFORD, - Chickasaw County.

### *Street Pavements.*

SAMUEL H. HEDGES, - Cedar County.

### *Tunneling in Soft Material.*

ALBERT P. JOHNSON, - Keokuk County.

### *Structure of Steel.*

H. SIDNEY STEWART, - Polk County.

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## Course in Agriculture, (B. S. A.)

### *Agriculture, Its Development as an Industry.*

GEORGE W. GREENE, - Harrison County.

### *An American Coach Horse.*

MYRON H. REYNOLDS, - Benton County.

### *The Growth of Horticulture.*

OMAR W. RICH, - Clayton County.

### *Tests of Hardiness in Fruit Trees.*

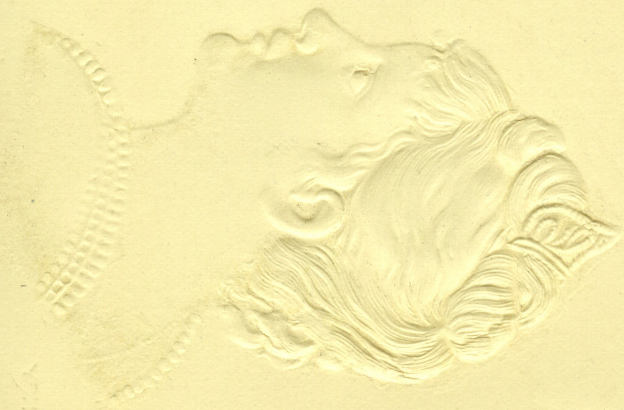
E. S. RICHMAN, - Muscatine County.

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## Course in Veterinary Medicine, (B. V. M.)

### *Diuretics and their Uses.*

BARTHOLOMEW BUCHLI, - Kansas.





<i>The Teeth of the Horse in Health and Disease.</i>		
H. L. CHATTERTON,	-	Jones County.
<i>Enzootic Ergotism.</i>		
GEORGE A. JOHNSON,	-	Sac County.
<i>Variola Ovina.</i>		
EDWIN S. JOHNSTON,	-	Louisa County.
<i>Rabies.</i>		
EDWIN P. NILES,	-	Marshall County.
<i>The Horse's Foot, and Its Abuses.</i>		
JOHN J. STREETS,	-	Illinois.

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### Course in Sciences Relating to the Industries, (B. S. C.)

<i>Phosphates of Calcium in Artificial Fertilizers.</i>		
PETER S. BURNS,	-	Massachusetts.
<i>Bacillus Tuberculosis.</i>		
S. D. CLOUGH,	-	Warren County.
<i>The Growth of Ancient Religions.</i>		
MARCUS Z. FARWELL,	-	Jones County.
<i>A Study of the Orthoptera of Iowa.</i>		
VE NE C. GAMBELL,	-	Henry County.
<i>The Comparative Study of Mind.</i>		
WILL E. GAMBLE,	-	Poweshiek County.
<i>The Growth and Culmination of Government.</i>		
WILL B. HUNTER,	-	Buchanan County.
<i>Labor and Capital.</i>		
HORACE J. LANGFITT,	-	Scott County.
<i>Bacon as Scientist and Literary Man.</i>		
LIZZIE LANGFITT,	-	Scott County.
<i>Usury and Usury Laws.</i>		
WILLIAM R. MYERS,	-	Cass County.
<i>The History of Education.</i>		
CORA D. WAGNER,	-	Benton County.

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### Post Graduate Courses.

#### DOMESTIC ECONOMY, (M. D. E.)

<i>Nitrates, Carbonates, and Phosphates of Food.</i>		
CLARA SHEPPERD HAYS,	-	I. A. C.
<i>Manual Training for Women.</i>		
NELLIE E. RAWSON,	Manual Training School, Toledo, Ohio.	

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### Course in General Science, (M. S.)

<i>Chlorophyll.</i>	
A. S. HITCHCOCK,	B. S. of '84, State University, Iowa City, Io.
<i>The Timber Trees of Arkansas.</i>	
F. L. HARVEY,	B. S. of '72, Maine State College. Orona. Me.

# PROGRAMME.

## INVOCATION.

MUSIC—*Organ Solo*, - - - *Kelabela*.  
MISS HATTIE BUTLER.

*Agriculture, Its Development as an Industry.*  
GEORGE W. GREENE, - - - Harrison County.

*The Growth of Ancient Religions.*  
MARCUS Z. FARWELL, - - - Jones County.

*An American Coach Horse.*  
MYRON H. REYNOLDS, - - - Benton County.

MUSIC—*Chorus*, Hark! Apollo Strikes the Lyre, - - *Bishoff*.

*The Growth and Culmination of Government.*  
WILL B. HUNTER, - - - Buchanan County.

*Tunneling in Soft Material.*  
ALBERT P. JOHNSON, - - - Keokuk County.

MUSIC—*Piano Solo*—*Impromptu*, - - - *Schubert*.  
MISS MARY JOHNSTON.

*The Horse's Foot, and Its Diseases.*  
JOHN J. STREETS, - - - Illinois.

*Tests of Hardiness in Fruit Trees.*  
E. S. RICHMAN, - - - Muscatine County.

*A Pratt Truss Bridge.*  
JAMES W. BRADFORD, - - - Chickasaw County.

MUSIC—*Piano Solo*—*Tarantalla*, - - - *Moskzkay*.  
MISS JENNIE WESTERMAN.

*Structure of Steel.*  
H. SIDNEY STEWART, - - - Polk County.

*Street Pavements.*  
SAMUEL H. HEDGES, - - - Cedar County.

MUSIC—*Organ Solo*—*Tanhauser*, - - - *Wagner*.  
MISS CORA WAGNER.

## CONFERRING DEGREES.

BENEDICTION.