

# Adding the AWG Model of Aggregates to RDA

**Deborah Fritz**

Presented to "Reconstructing RDA in the LRM:  
Aggregations, Appellations, and Authorities",  
Chicago, USA, 16 May 2017

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# Overview

The AWG Aggregates Model

Types of aggregates

Types of WEM entities

Types of descriptions

Container relationships

Agent to WEM relationships

Discussion

# Search results

A search for the creator of this single work, finds this work appearing singly, and in an aggregate work:

[-] Person: **James, P. D.**

[+] Author of content in work: Crime times three

[+] Author of: James, P. D. Cover her face

[+] Author of: James, P. D. A mind to murder

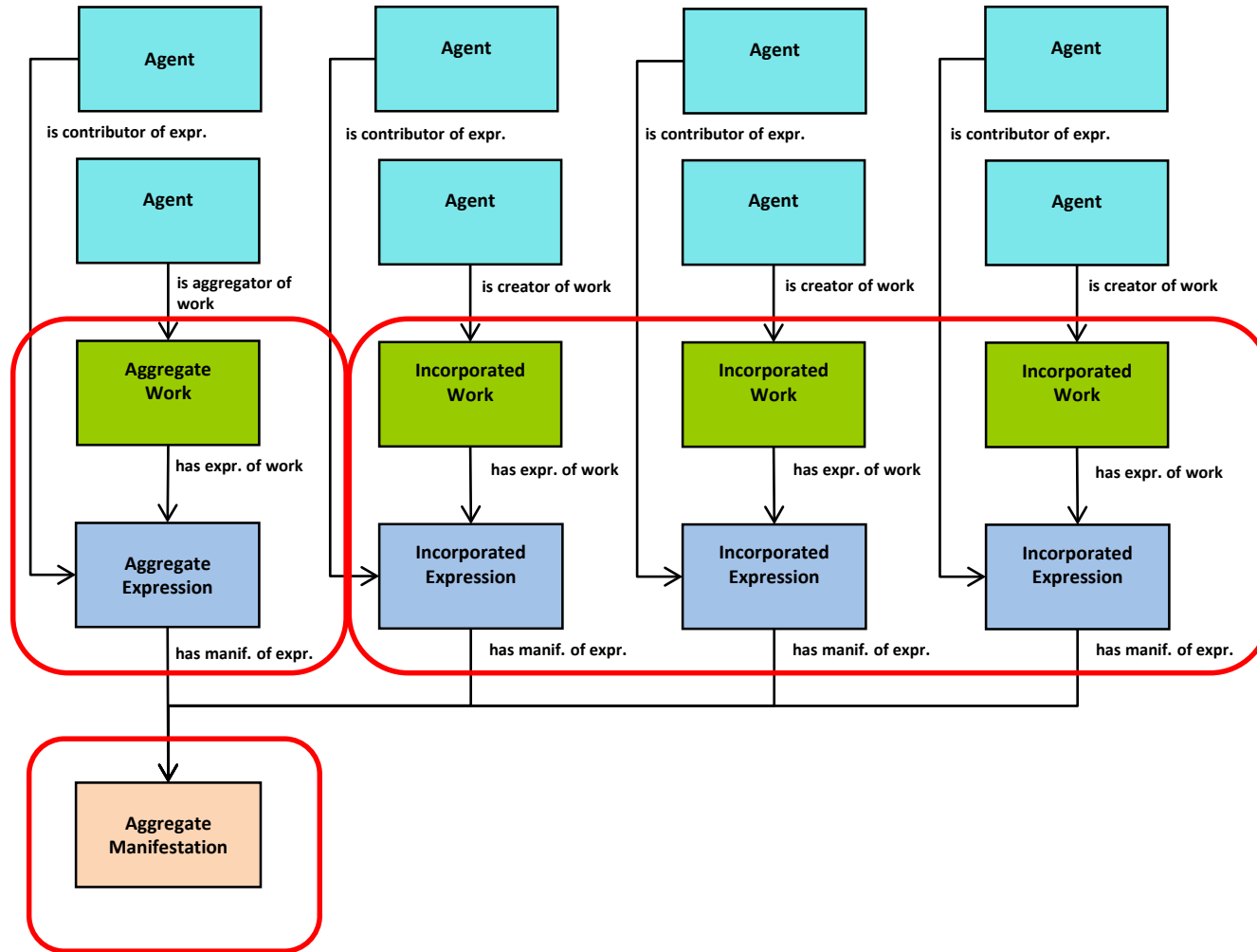
[-] Author of: James, P. D. **Shroud for a nightingale**

[-] Expression of work: James, P. D. Shroud for a nightingale. Text. English

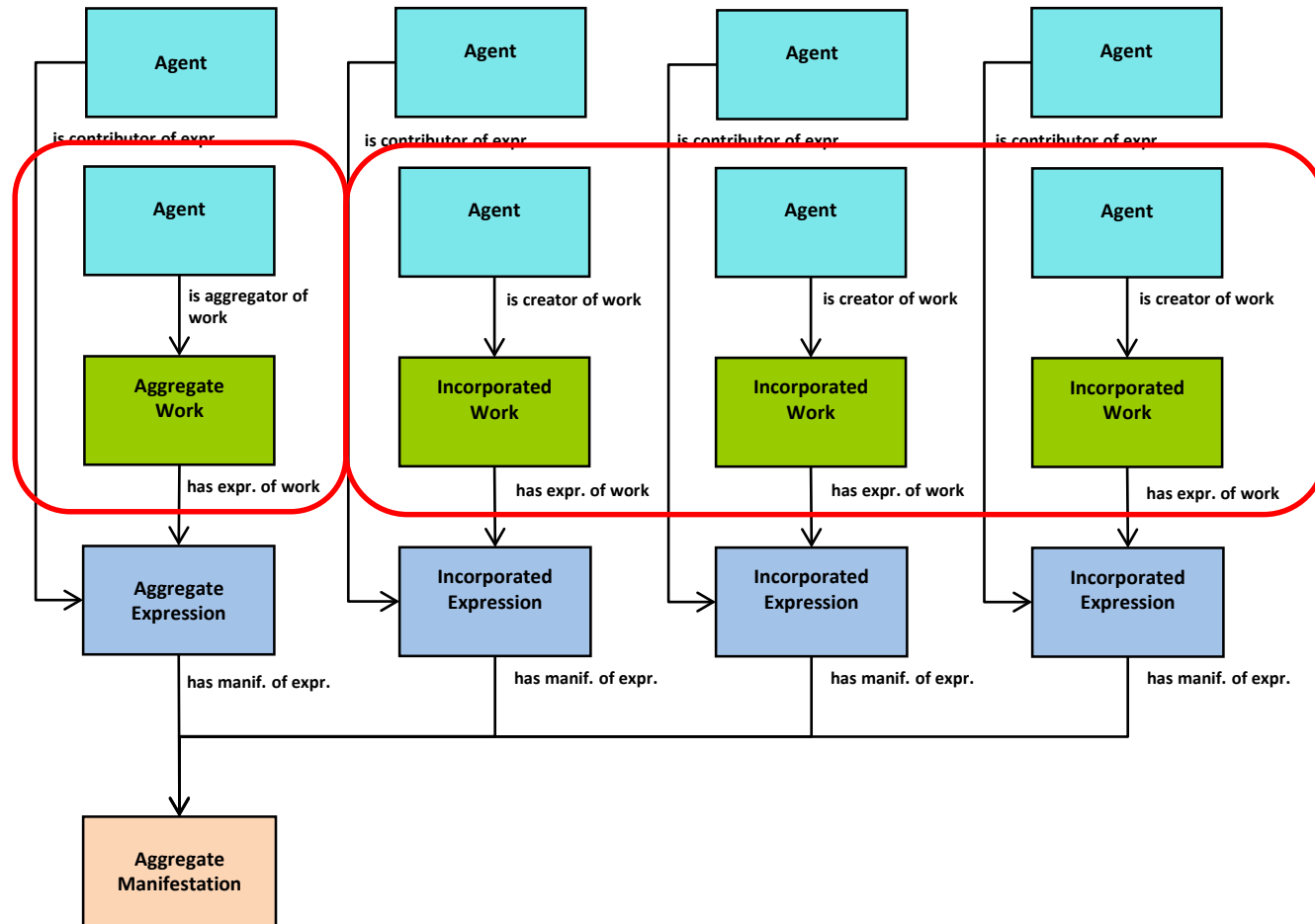
[+] Manifestation of expression: **Crime times three**. Scribner. [1979].

[+] Manifestation of expression: **Shroud for a nightingale**. Faber. [1971].

# THE AWG Aggregates MODEL



# THE AWG Aggregates MODEL



# A “Distinct Expression”

**Distinct expression** : An expression that is discrete, different, distinguishable, and **capable of being changed separately and manifested separately** from other expressions of the same work or other works, whether in published or original form.

A distinct expression can be available: on its own as a realization of an individual work; or as a realization of a part of a whole work, or a component of an aggregate expression.

Includes words in English vs. French, words that are written vs. spoken vs. sung, dance moves that are notated or danced

# Types of aggregates

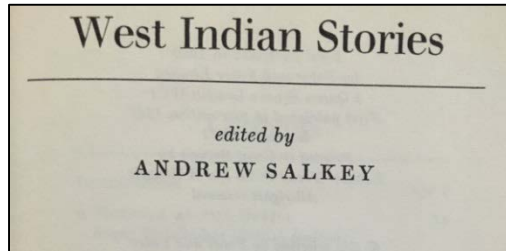
The AWG has identified four types of aggregates to help a cataloger to recognize that a resource is an aggregate.

## 1. Compilations

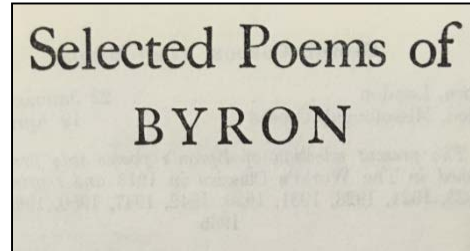
- Aggregate collections of expressions
- Aggregates resulting from augmentation
- Aggregates resulting from parallel expressions

## 2. Integrated aggregates

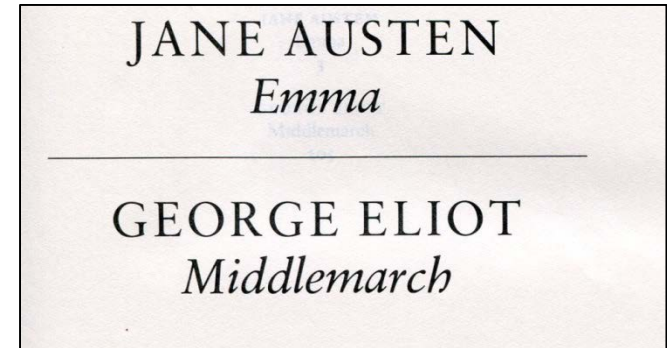
# Aggregate collections of expressions



25 short stories



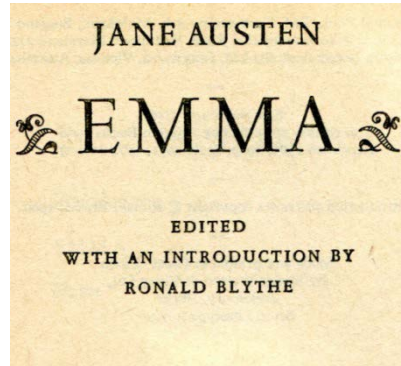
180 poems



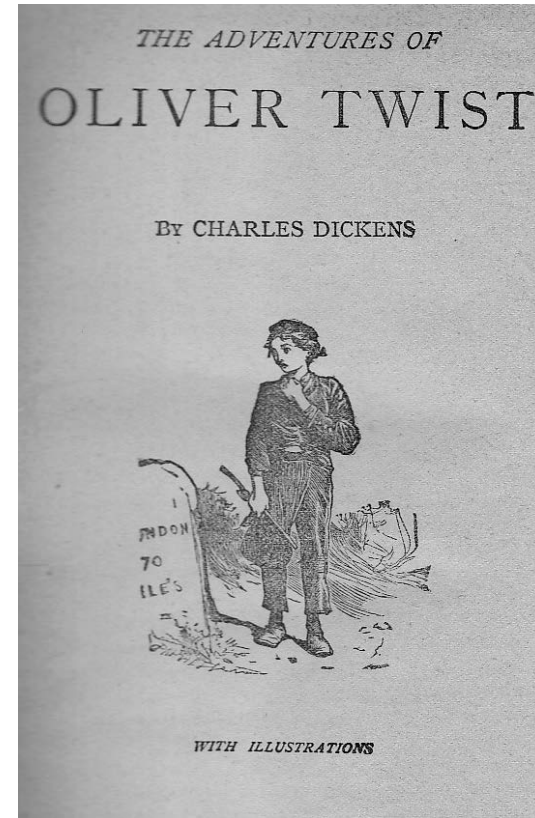
2 stories



# Aggregates resulting from augmentation

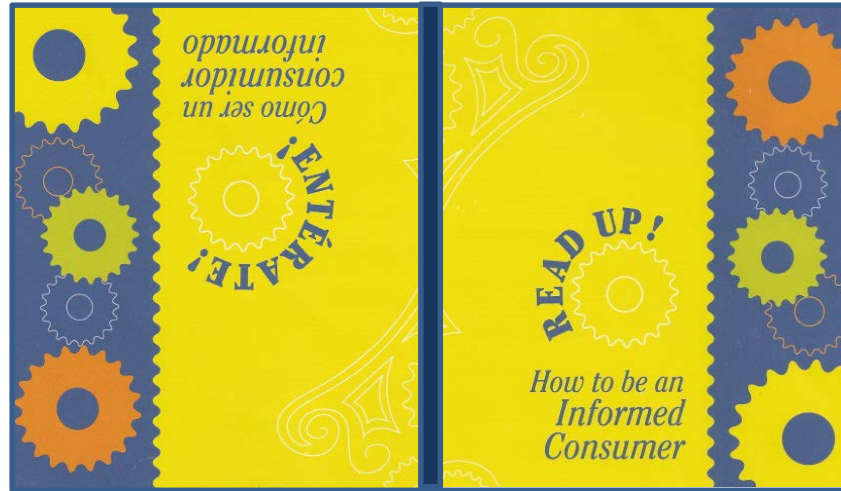


Emma, with an introduction added



Oliver Twist, with illustrations added

# Aggregates resulting from parallel expressions




1 work, 2 expressions, 1 manifestation

# Integrated aggregates

shadow water music

HL 087510  
US \$3.5

Eric Whitacre



The Stolen Child

William Butler Yeats

SATB and sextet, a cappella

**OH, WHAT A BEAUTIFUL MORNIN'** <sup>1</sup>  
from OKLAHOMA!

Lyrics by OSCAR HAMMERSTEIN II  
Music by RICHARD ROGERS

Swaying

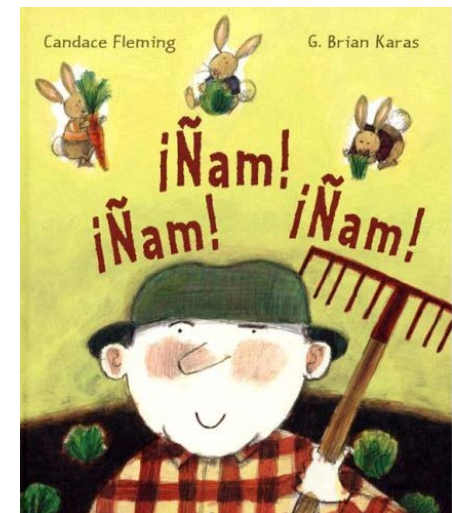
There's a bright gold - en haze on the mead - ow.  
cat - tle are stand - in' like stat - ues.

There's a bright gold - en haze on the mead - ow. The  
All the cat - tle are stand - in' like stat - ues. They

corn is as high as an ef - e - phant's eye, and it looks like it's  
don't turn their heads as they see me ride by, but a lit - tle brown

climb - in' clear up to the sky. Oh, what a beau - ti - ful  
may - 'rick is wink - in' his eye.

Copyright © 1943 by Williamson Music, a Division of Rodgers & Hammerstein, an Ingersoll Company  
Copyright Renewed  
International Copyright Secured. All Rights Reserved



# Types of WEM entities

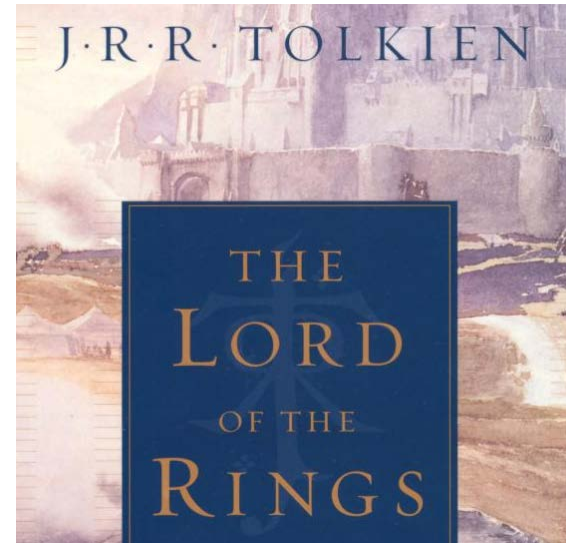
- Single entities (entities without parts or components)
- Whole-part entities (entities with separate parts)
- Aggregate entities (entities

Types of Entities
Aggregate entities
<b>Aggregate Work / Incorporated Work</b>
<b>Aggregate Expression / Incorporated Expression</b>
<b>Aggregate Manifestation</b>
Whole-part entities
<b>Whole Work / Part Work</b>
<b>Whole Expression / Part Expression</b>
<b>Whole Manifestation / Part Manifestation</b>
Single entities
<b>Single Work</b>
<b>Single Expression</b>
<b>Single Manifestation</b>

# Whole-Part vs Aggregate works

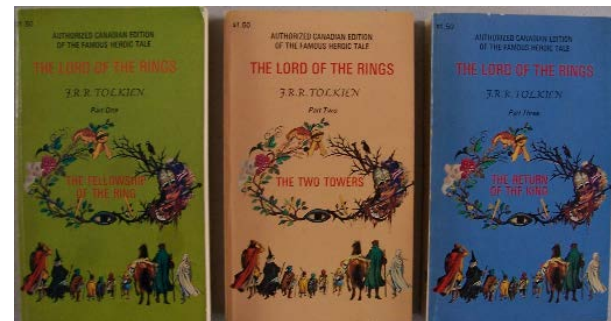
Selected Poems of  
BYRON

The complete best-selling classic  
50<sup>th</sup> anniversary one volume edition



An **aggregate** work is created when distinct expressions of one or more other works are put together to create the new work

A **whole-part** work is created by splitting an existing work into parts that can be described as separate works or by adding installments to a continuing concept of a work



# Types of WEM entities Single? Whole-Part? Aggregate?

## SINGLE CARRIER TEXT SINGLE STORY

Types of Entities

Aggregate entities

**Aggregate Work / Incorporated Work**

**Aggregate Expression / Incorporated Expression**

**Aggregate Manifestation**

Whole-part entities

**Whole Work / Part Work**

**Whole Expression / Part Expression**

**Whole Manifestation / Part Manifestation**

Single entities

**Single Work**

**Single Expression**

**Single Manifestation**

*Ernest Hemingway*

—◆—

ACROSS THE  
RIVER AND  
INTO THE  
TREES

SCRIBNER PAPERBACK FICTION  
*Published by Simon & Schuster*

# Types of WEM entities Single? Whole-Part? Aggregate?

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**Aggregate Expression / Incorporated Expression**

**Aggregate Manifestation**

Whole-part entities

**Whole Work / Part Work**

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Single entities

**Single Work**

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*Ernest Hemingway*

—◆—

## ACROSS THE RIVER AND INTO THE TREES

SCRIBNER PAPERBACK FICTION  
*Published by Simon & Schuster*

# Types of WEM entities Single? Whole-Part? Aggregate?

## SINGLE CARRIER TEXT 2 STORIES

Types of Entities

Aggregate entities

**Aggregate Work / Incorporated Work**

**Aggregate Expression / Incorporated Expression**

**Aggregate Manifestation**

Whole-part entities

**Whole Work / Part Work**

**Whole Expression / Part Expression**

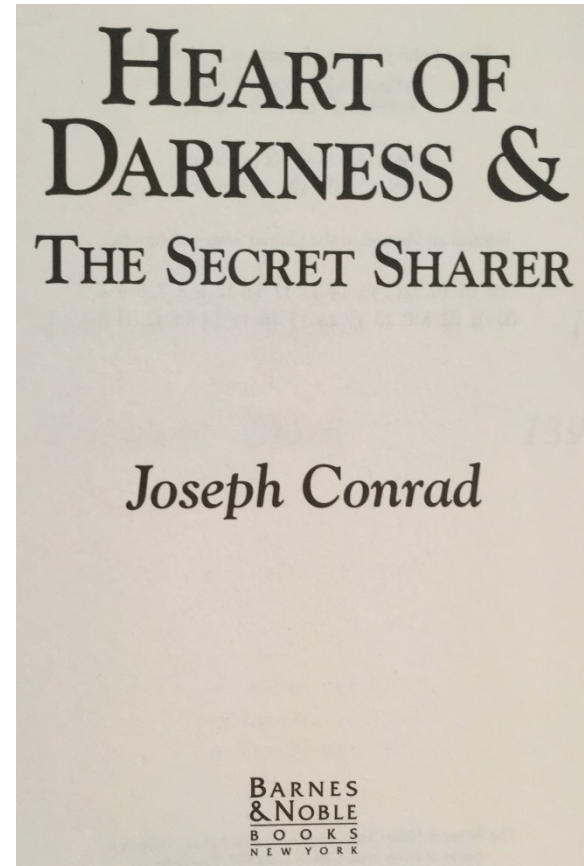
**Whole Manifestation / Part Manifestation**

Single entities

**Single Work**

**Single Expression**

**Single Manifestation**





# Types of WEM entities Single? Whole-Part? Aggregate?

## SINGLE CARRIER TEXT 2 STORIES

Types of Entities

Aggregate entities

**Aggregate Work / Incorporated Work**

**Aggregate Expression / Incorporated Expression**

**Aggregate Manifestation**

Whole-part entities

**Whole Work / Part Work**

**Whole Expression / Part Expression**

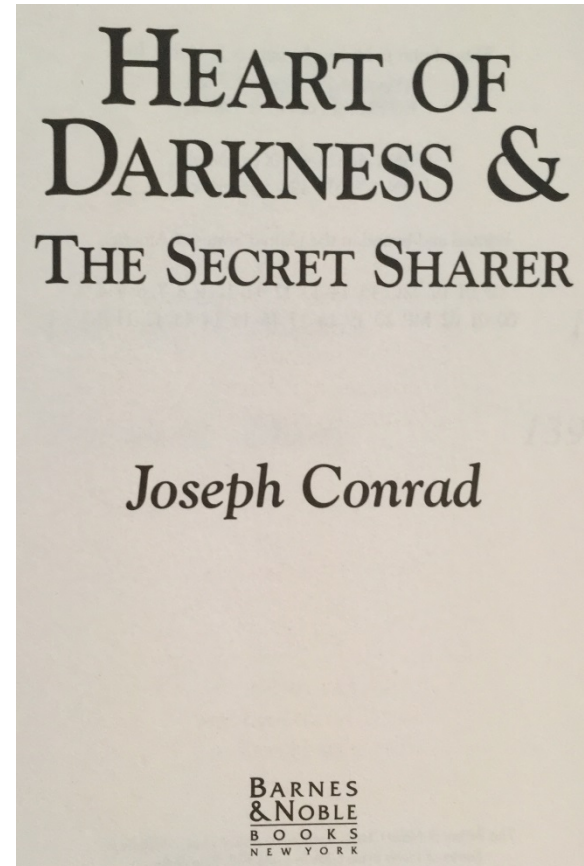
**Whole Manifestation / Part Manifestation**

Single entities

**Single Work**

**Single Expression**

**Single Manifestation**



# Types of WEM entities Single? Whole-Part? Aggregate?

## 2 VOLUMES TEXT

Types of Entities

Aggregate entities

**Aggregate Work / Incorporated Work**

**Aggregate Expression / Incorporated Expression**

**Aggregate Manifestation**

Whole-part entities

**Whole Work / Part Work**

**Whole Expression / Part Expression**

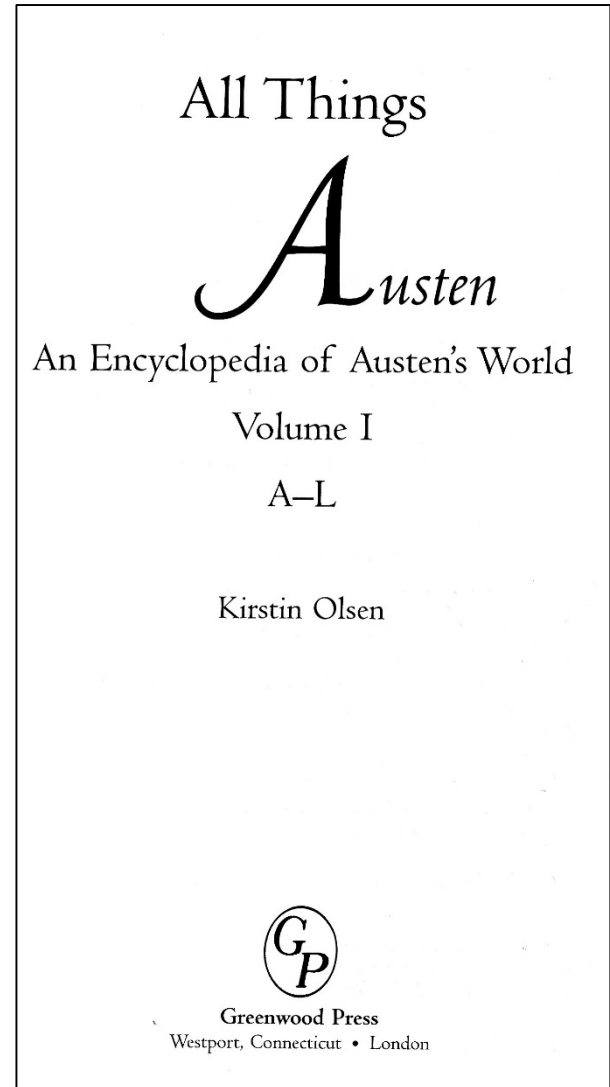
**Whole Manifestation / Part Manifestation**

Single entities

**Single Work**

**Single Expression**

**Single Manifestation**



# Types of WEM entities Single? Whole-Part? Aggregate?

## 2 VOLUMES TEXT

Types of Entities

Aggregate entities

**Aggregate Work / Incorporated Work**

**Aggregate Expression / Incorporated Expression**

**Aggregate Manifestation**

Whole-part entities

**Whole Work / Part Work**

**Whole Expression / Part Expression**

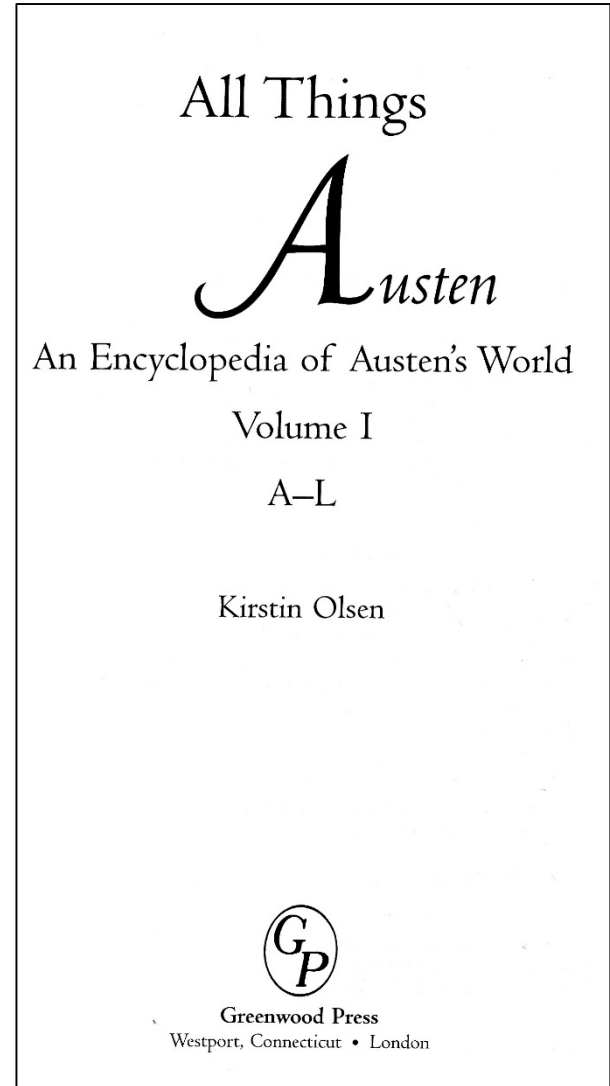
**Whole Manifestation / Part Manifestation**

Single entities

**Single Work**

**Single Expression**

**Single Manifestation**



# Types of WEM entities Single? Whole-Part? Aggregate?

## SINGLE CARRIER TEXT ILLUSTRATIONS ADDED

Types of Entities

Aggregate entities

Aggregate Work / Incorporated Work

Aggregate Expression / Incorporated Expression

Aggregate Manifestation

Whole-part entities

Whole Work / Part Work

Whole Expression / Part Expression

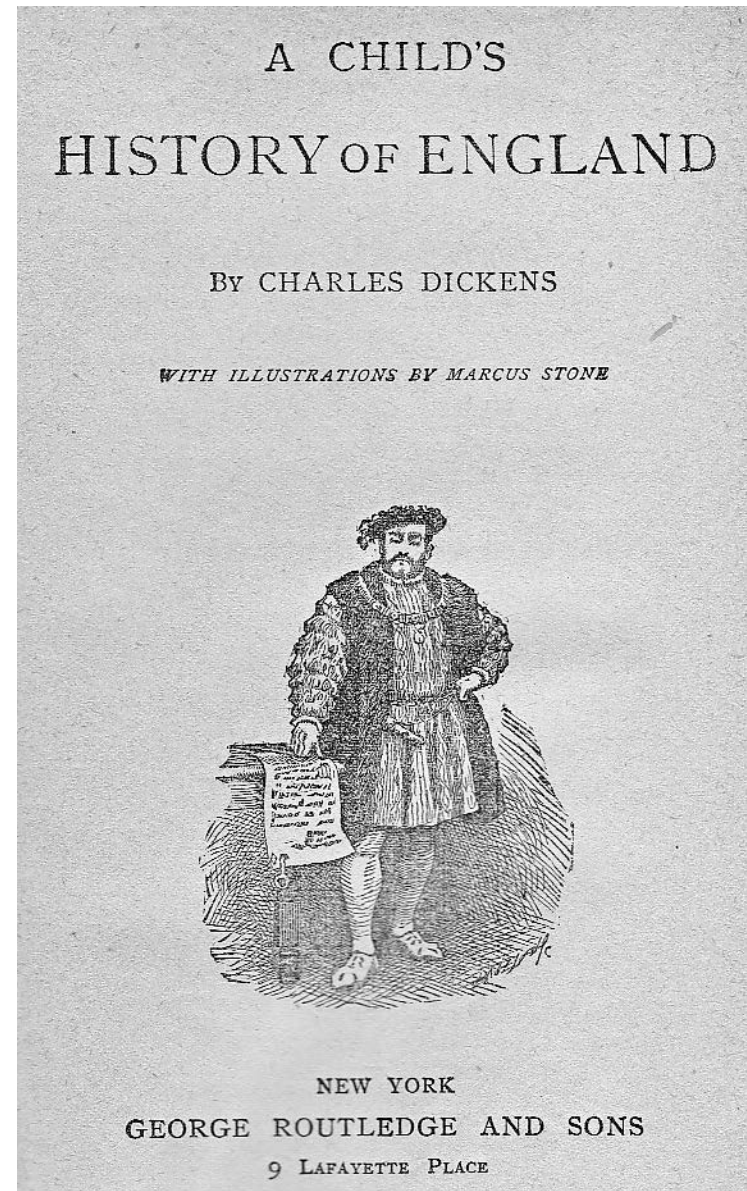
Whole Manifestation / Part Manifestation

Single entities

Single Work

Single Expression

Single Manifestation



# Types of WEM entities Single? Whole-Part? Aggregate?

## SINGLE CARRIER TEXT ILLUSTRATIONS ADDED

Types of Entities

Aggregate entities

**Aggregate Work / Incorporated Work**

**Aggregate Expression / Incorporated Expression**

**Aggregate Manifestation**

Whole-part entities

**Whole Work / Part Work**

**Whole Expression / Part Expression**

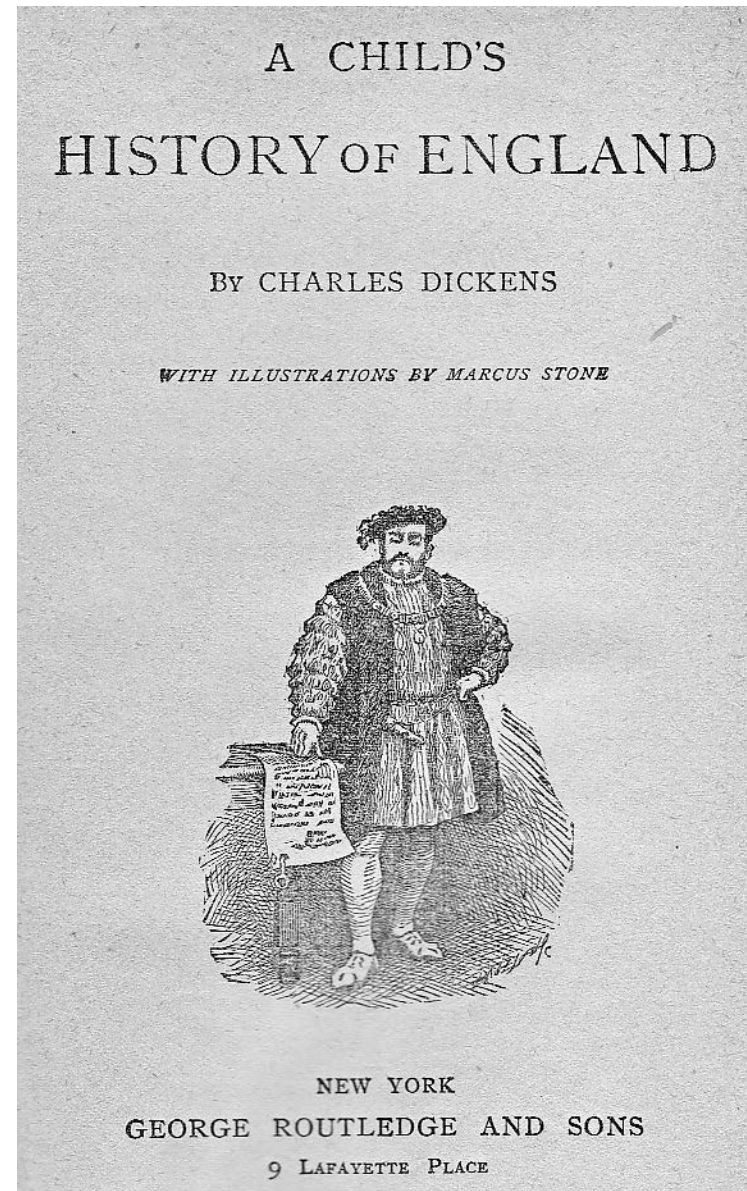
**Whole Manifestation / Part Manifestation**

Single entities

**Single Work**

**Single Expression**

**Single Manifestation**



# Types of description for each WEM entity

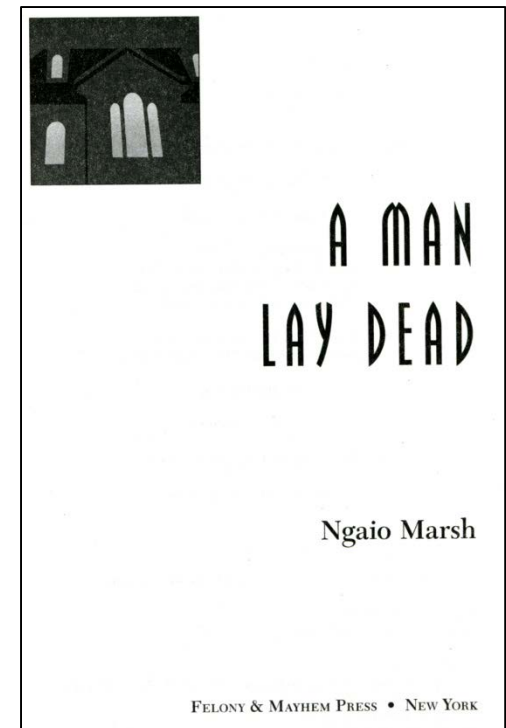
- a **comprehensive description**, with optional ‘container’ relationships to analytical descriptions
- an **analytical description**, with an optional ‘container’ relationship to a comprehensive description

Types of Entities	Types of Description
Aggregate entities	Aggregate / Incorporated
Aggregate Work / Incorporated Work	Comprehensive / Analytical
Aggregate Expression / Incorporated Expression	Comprehensive / Analytical
Aggregate Manifestation	see Single or Whole-Part
Whole-part entities	Whole / Part
Whole Work / Part Work	Comprehensive / Analytical
Whole Expression / Part Expression	Comprehensive / Analytical
Whole Manifestation / Part Manifestation	Comprehensive / Analytical
A single entity / a section of the entity	Single / Section
Single Work	Comprehensive / Analytical
Single Expression	Comprehensive / Analytical
Single Manifestation	Comprehensive / Analytical

# Types of description

Types of Entities	Types of Description
Aggregate entities	Aggregate / Incorporated
Aggregate Work / Incorporated Work	Comprehensive / Analytical
Aggregate Expression / Incorporated Expression	Comprehensive / Analytical
Aggregate Manifestation	see Single or Whole-Part
Whole-part entities	Whole / Part
Whole Work / Part Work	Comprehensive / Analytical
Whole Expression / Part Expression	Comprehensive / Analytical
Whole Manifestation / Part Manifestation	Comprehensive / Analytical
A single entity / a section of the entity	Single / Section
Single Work	Comprehensive / Analytical
Single Expression	Comprehensive / Analytical
Single Manifestation	Comprehensive / Analytical

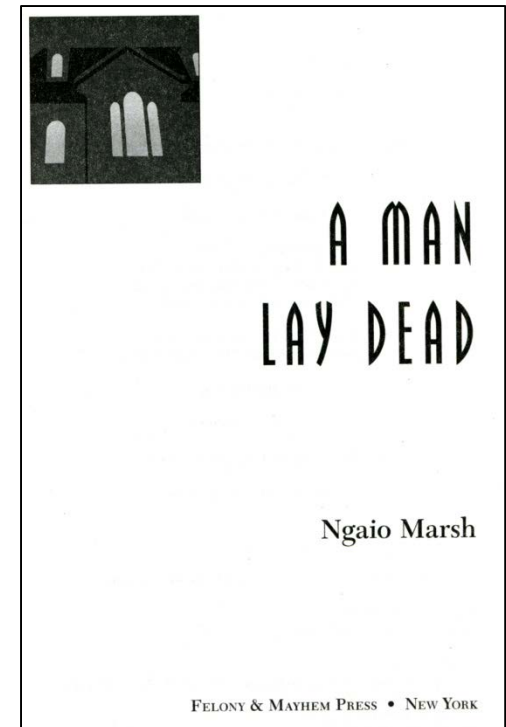
**SINGLE CARRIER  
TEXT  
SINGLE STORY**



# Types of description

Types of Entities	Types of Description
Aggregate entities	Aggregate / Incorporated
Aggregate Work / Incorporated Work	Comprehensive / Analytical
Aggregate Expression / Incorporated Expression	Comprehensive / Analytical
Aggregate Manifestation	see Single or Whole-Part
Whole-part entities	Whole / Part
Whole Work / Part Work	Comprehensive / Analytical
Whole Expression / Part Expression	Comprehensive / Analytical
Whole Manifestation / Part Manifestation	Comprehensive / Analytical
A single entity / a section of the entity	Single / Section
Single Work	Comprehensive / Analytical
Single Expression	Comprehensive / Analytical
Single Manifestation	Comprehensive / Analytical

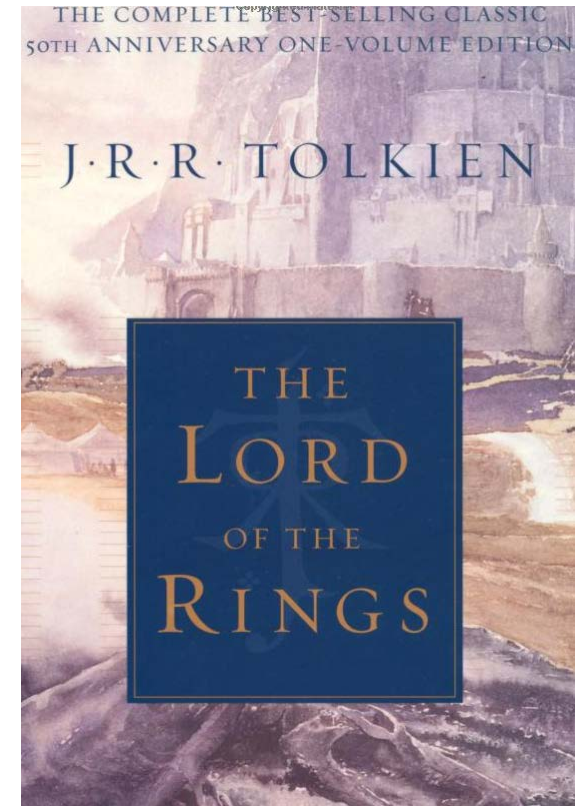
**SINGLE CARRIER  
TEXT  
SINGLE STORY**





# Types of description

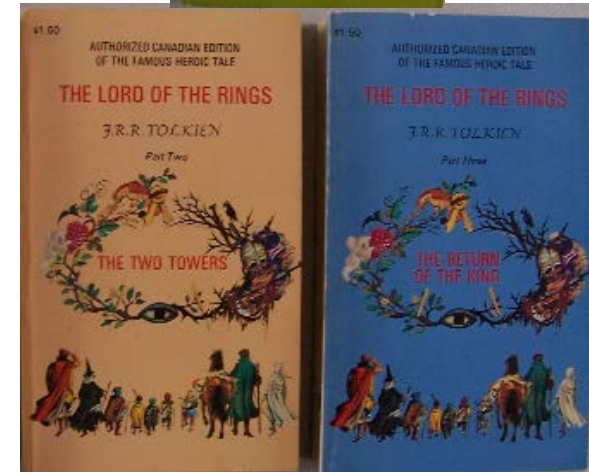
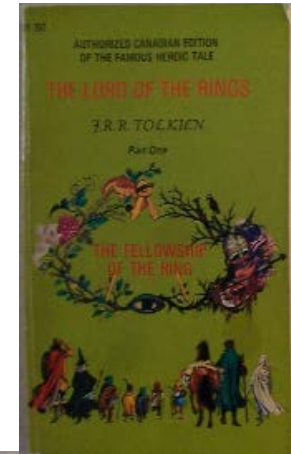
Types of Entities	Types of Description
Aggregate entities	Aggregate / Incorporated
Aggregate Work / Incorporated Work	Comprehensive / Analytical
Aggregate Expression / Incorporated Expression	Comprehensive / Analytical
Aggregate Manifestation	see Single or Whole-Part
Whole-part entities	Whole / Part
Whole Work / Part Work	Comprehensive / Analytical
Whole Expression / Part Expression	Comprehensive / Analytical
Whole Manifestation / Part Manifestation	Comprehensive / Analytical
A single entity / a section of the entity	Single / Section
Single Work	Comprehensive / Analytical
Single Expression	Comprehensive / Analytical
Single Manifestation	Comprehensive / Analytical



**SINGLE CARRIER  
TEXT  
SINGLE STORY  
IN PARTS**

# Types of description

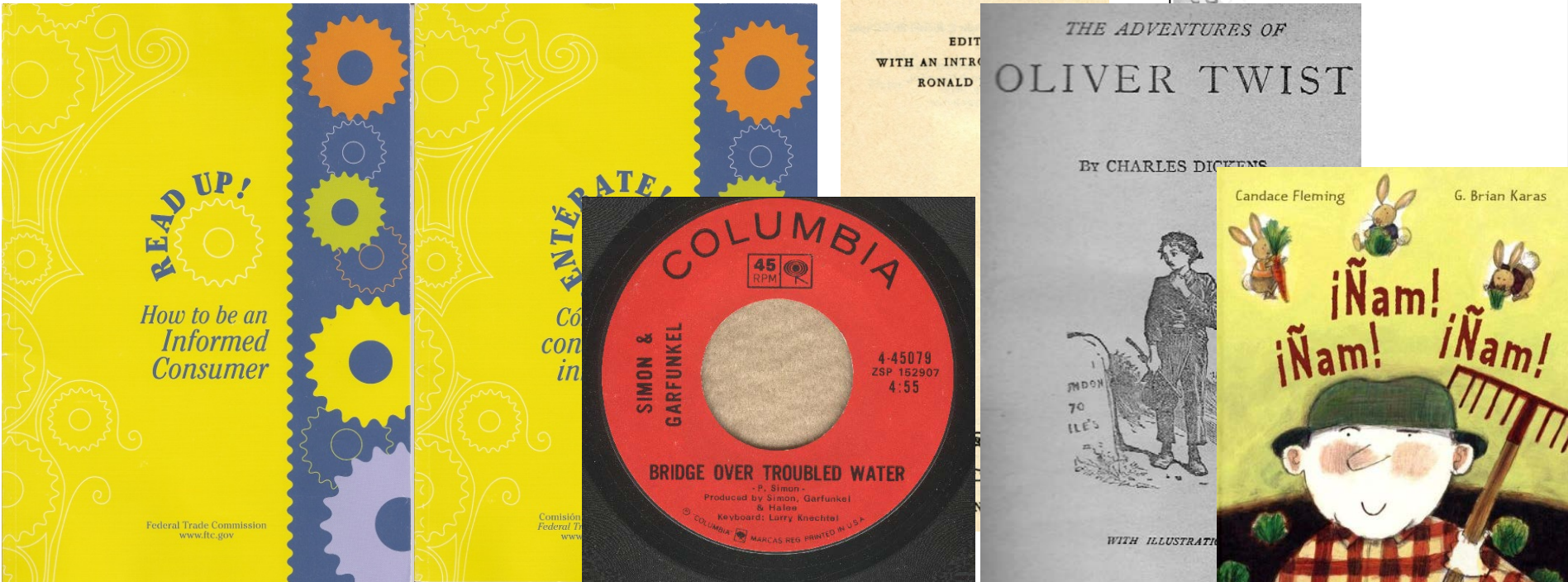
Types of Entities	Types of Description
Aggregate entities	Aggregate / Incorporated
Aggregate Work / Incorporated Work	Comprehensive / Analytical
Aggregate Expression / Incorporated Expression	Comprehensive / Analytical
Aggregate Manifestation	see Single or Whole-Part
Whole-part entities	Whole / Part
Whole Work / Part Work	Comprehensive / Analytical
Whole Expression / Part Expression	Comprehensive / Analytical
Whole Manifestation / Part Manifestation	Comprehensive / Analytical
A single entity / a section of the entity	Single / Section
Single Work	Comprehensive / Analytical
Single Expression	Comprehensive / Analytical
Single Manifestation	Comprehensive / Analytical



**MULT. CARRIER  
TEXT  
SINGLE STORY  
IN PARTS**

# Types of description

These aggregate resources can be described comprehensively or analytically for their works, expressions, and manifestations.



# Container relationships

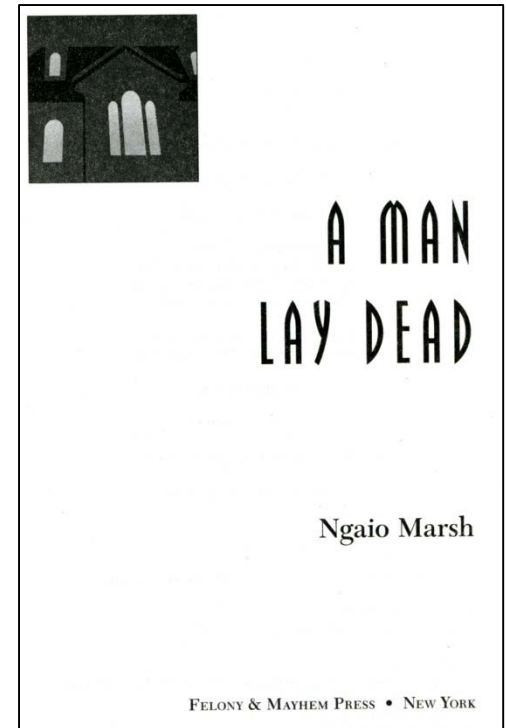
For example:

- whole work -- has part (W) / is part of (W) -- part work
- whole expression -- has part (E) / is part of (E) -- part expression
- aggregate expression -- has incorporated (E) / is incorporated in (E) -- part expression

Types of Entities	Types of Description	Container relationships between descriptions the entities
Aggregate entities	Aggregate / Incorporated	Aggregate / Incorporated
Aggregate Work / Incorporated Work	Comprehensive / Analytical	n/a*
Aggregate Expression / Incorporated Expression	Comprehensive / Analytical	has incorporated (E) / is incorporated in (E) or has manifestation of expression / has expression manifested
Aggregate Manifestation	see Single or Whole-Part	see Single or Whole-Part
Whole-part entities	Whole / Part	Whole / Part
Whole Work / Part Work	Comprehensive / Analytical	has part (W) / is part of (W)
Whole Expression / Part Expression	Comprehensive / Analytical	has part (E) / is part of (E)
Whole Manifestation / Part Manifestation	Comprehensive / Analytical	has part (M) / is part of (M)
A single entity / a section of the entity	Single / Section	Single / Section
Single Work	Comprehensive / Analytical	has section (W) / is section of (W)
Single Expression	Comprehensive / Analytical	has section (E) / is section of (E)
Single Manifestation	Comprehensive / Analytical	has section (M) / is section of (M)

# Container relationships: Single WEM

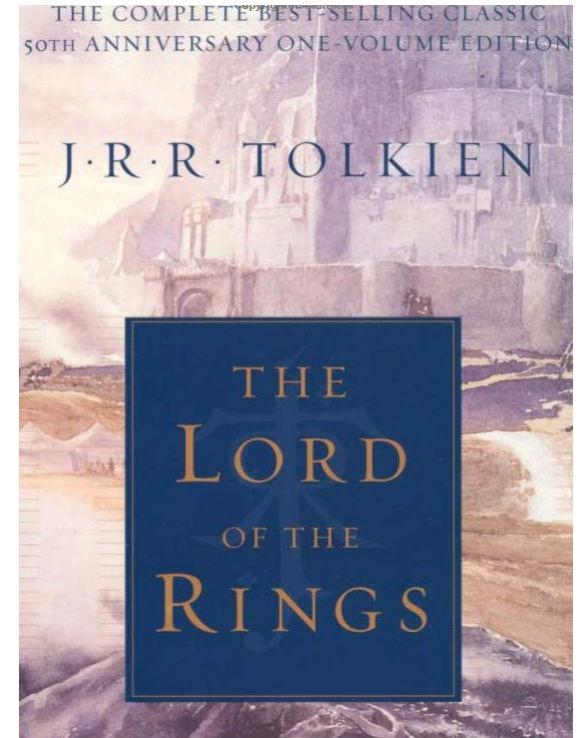
**SINGLE CARRIER  
TEXT  
SINGLE STORY**



Types of Entities	Types of Description	Container relationships between descriptions the entities
A single entity / a section of the entity	Single / Section	Single / Section
Single Work	Comprehensive / Analytical	has section (W) / is section of (W)
Single Expression	Comprehensive / Analytical	has section (E) / is section of (E)
Single Manifestation	Comprehensive / Analytical	has section (M) / is section of (M)

# Container relationships: Whole-part WE, single M

**SINGLE CARRIER  
TEXT  
SINGLE STORY  
IN PARTS**



Types of Entities	Types of Description	Container relationships between descriptions the entities
Whole-part entities	Whole / Part	Whole / Part
Whole Work / Part Work	Comprehensive / Analytical	has part (W) / is part of (W)
Whole Expression / Part Expression	Comprehensive / Analytical	has part (E) / is part of (E)
Whole Manifestation / Part Manifestation	Comprehensive / Analytical	has part (M) / is part of (M)
A single entity / a section of the entity	Single / Section	Single / Section
Single Manifestation	Comprehensive / Analytical	has section (M) / is section of (M)

# Container relationships: Whole-part WEM

## MULT. CARRIER TEXT SINGLE STORY IN PARTS



Types of Entities	Types of Description	Container relationships between descriptions the entities
Whole-part entities	Whole / Part	Whole / Part
Whole Work / Part Work	Comprehensive / Analytical	has part (W) / is part of (W)
Whole Expression / Part Expression	Comprehensive / Analytical	has part (E) / is part of (E)
Whole Manifestation / Part Manifestation	Comprehensive / Analytical	has part (M) / is part of (M)

# Container relationships: Aggregates

These aggregate resources can be described comprehensively or analytically for their works, expressions, and manifestations.

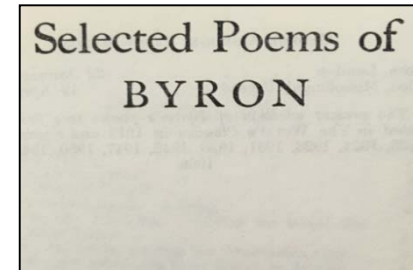
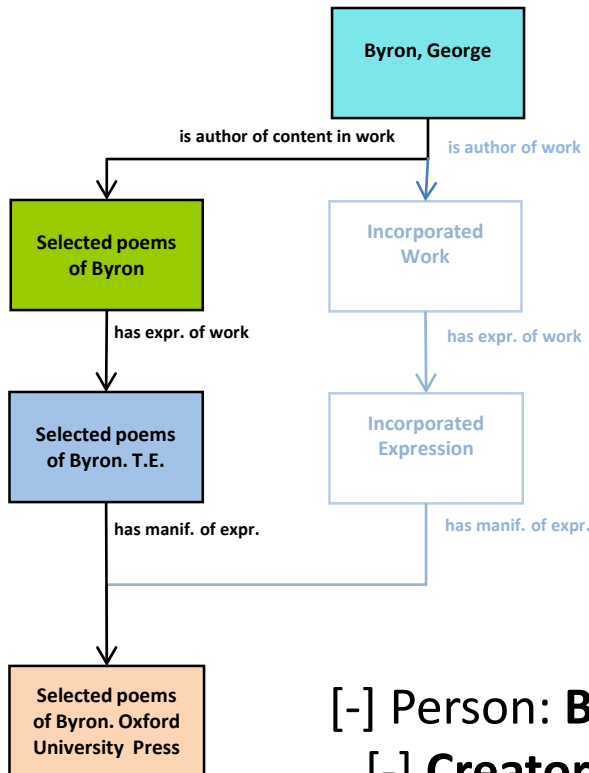




# Types of entities + Types of description + Agent to WEM relationships

Types of Entities	Types of Description	Agent relationships to Single, Whole-part, or Aggregate entities
Aggregate entities	Aggregate / Incorporated	
Aggregate Work / Incorporated Work	Comprehensive / Analytical	<i>is aggregator of</i> <i>is aggregator of content in work †</i> <i>is creator of content in work †</i> <i>is other agent of content in work **</i>
Aggregate Expression / Incorporated Expression	Comprehensive / Analytical	<i>is contributor of</i> <i>is contributor of content in expression †</i>
Aggregate Manifestation	see Single or Whole-Part	Associated agents *** <i>is aggregator of content in manifestation ‡</i> <i>is creator of content in manifestation ‡</i> <i>is other agent of content in manifestation ‡</i> <i>is contributor of content in manifestation ‡</i>
Whole-part entities	Whole / Part	
Whole Work / Part Work	Comprehensive / Analytical	<i>is creator of</i> <i>is other agent of **</i>
Whole Expression / Part Expression	Comprehensive / Analytical	<i>is contributor of</i>
Whole Manifestation / Part Manifestation	Comprehensive / Analytical	Associated agents ***
A single entity / a section of the entity	Single / Section	
Single Work	Comprehensive / Analytical	<i>is creator of</i> <i>is other agent of **</i>
Single Expression	Comprehensive / Analytical	<i>is contributor of</i>
Single Manifestation	Comprehensive / Analytical	Associated agents ***

# Relate a creator of an Incorporated work to a described Aggregate work



180 poems

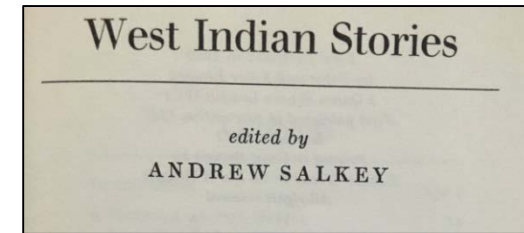
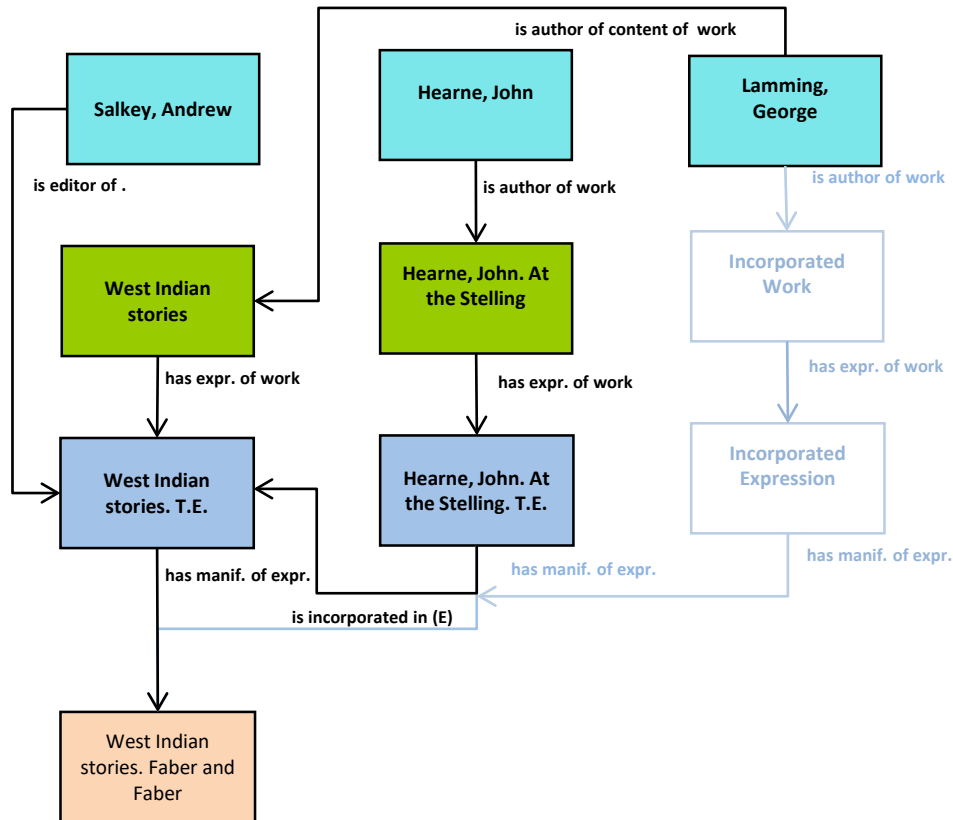
[-] Person: **Byron**, George Gordon Byron, Baron, 1788-1824

[-] **Creator of content in work: Selected poems of Byron**

[-] Expression of work: Selected poems of Byron. Text. English

[+] Manifestation of expression: Selected poems of Byron.  
Oxford University Press. 1913.

# Relate a creator of an Incorporated work to a described Aggregate work



OF THORNS AND THISTLES	42
George Lamming	
AT THE STELLING	51
John Hearne ( <i>Jamaica. Born in Canada</i> )	
THE WIND IN THIS CORNER	69
John Hearne	
KNOCK ON WOOD	88
Samuel Selvon ( <i>Trinidad</i> )	

[-] Person: Lamming, George, 1927-

[-] **Author of content in work:** West Indian stories

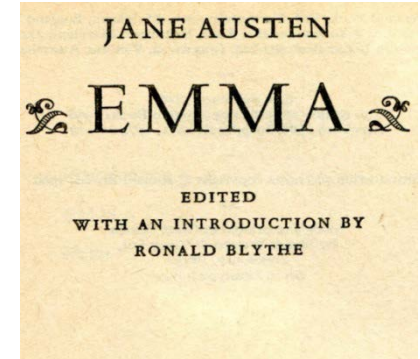
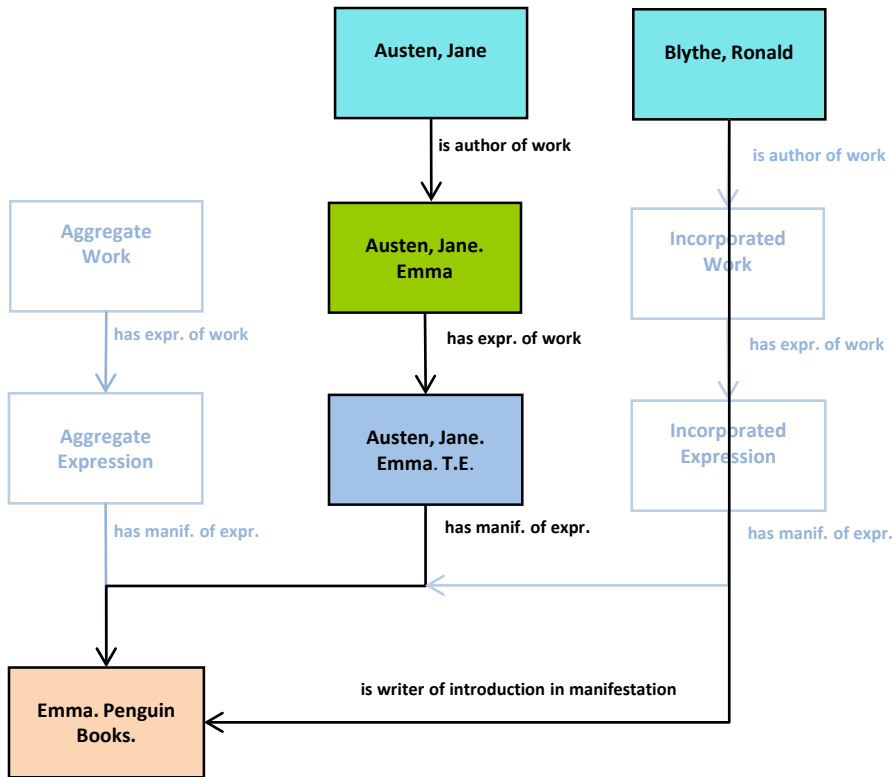
[-] Expression of work: West Indian stories. Text. English

[+] Editor: Salkey, Andrew

[+] Incorporated expression: Hearne, John, 1926-1994. At the Stelling. Text. English

[+] Manifestation of expression: West Indian stories. Faber and Faber. [1960]

# Relate a creator of an Incorporated work to a described Aggregate manifestation



[-] Person: **Blythe, Ronald, 1922-**

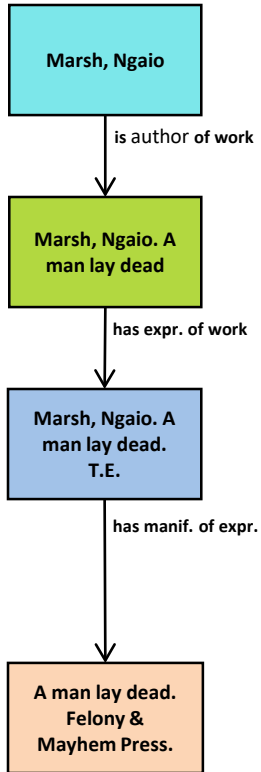
[-] **Writer of introduction in manifestation: Emma. Penguin. 1966**

[-] Expression manifested: Austen, Jane, 1775-1817. Emma. Text. English

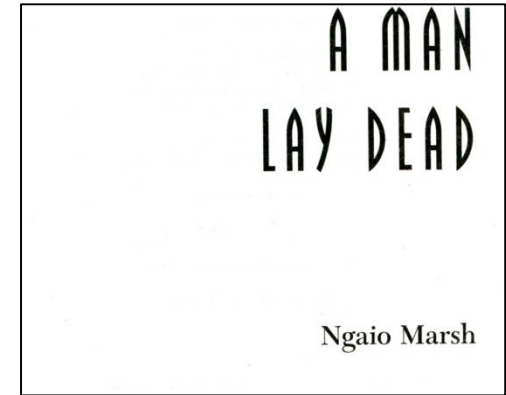
[-] Work expressed: Austen, Jane, 1775-1817. Emma

[+] Author: Austen, Jane, 1775-1817

# Container and Agent Relationships: Single WEM

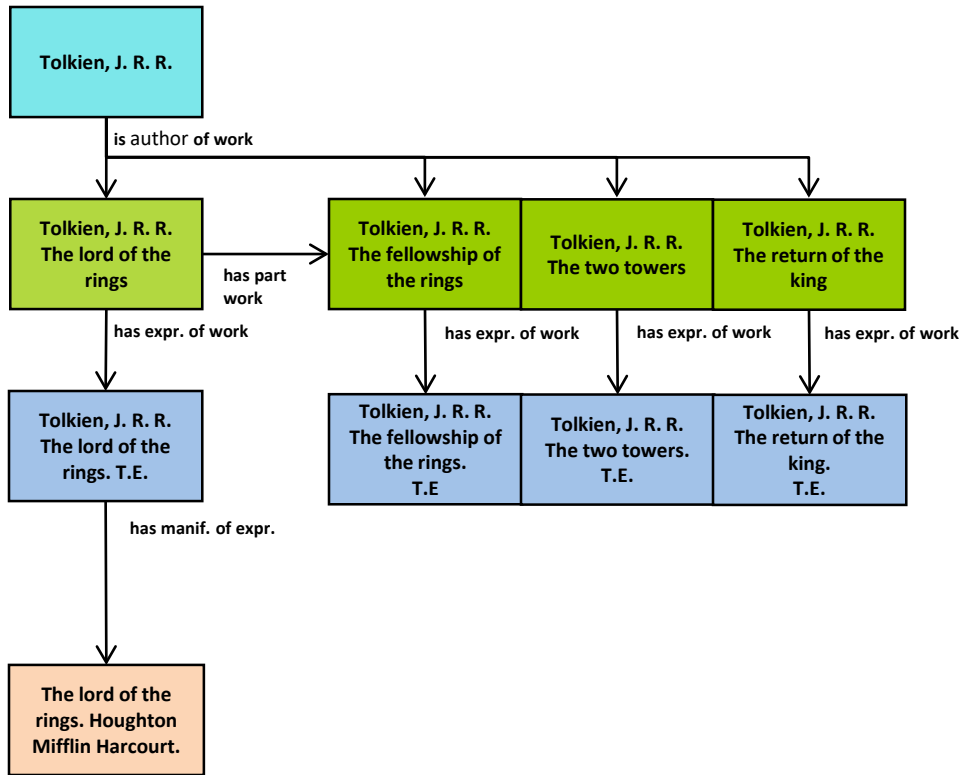


**SINGLE CARRIER  
TEXT  
SINGLE STORY**

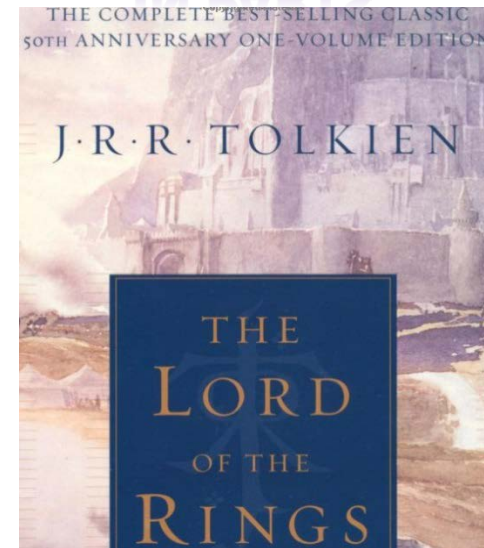


Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
Single Work	Comprehensive / Analytical	has section (W) / is section of (W)	is creator of is other agent of **
Single Expression	Comprehensive / Analytical	has section (E) / is section of (E)	is contributor of
Single Manifestation	Comprehensive / Analytical	has section (M) / is section of (M)	Associated agents ***

# Container and Agent Relationships: Whole-part WE, single M



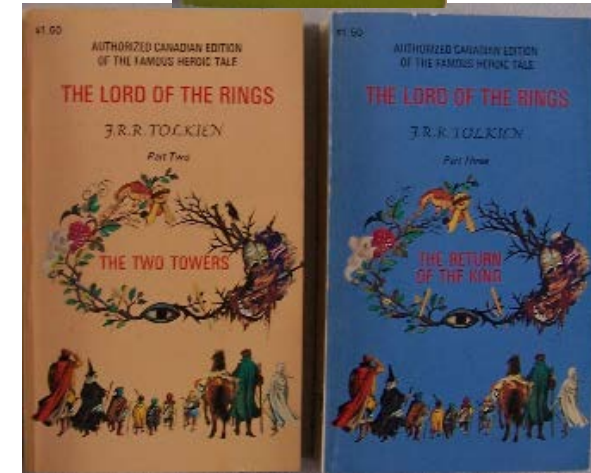
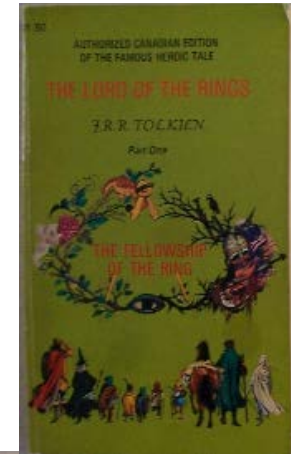
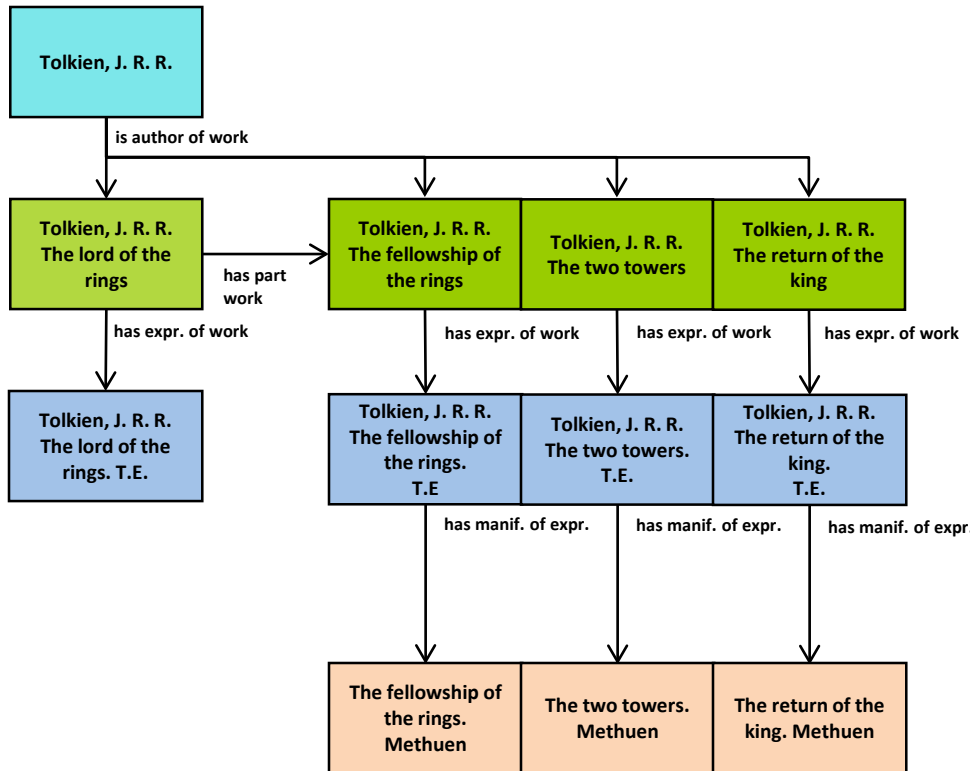
**SINGLE CARRIER  
TEXT  
SINGLE STORY  
IN PARTS**



Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
Whole-part entities	Whole / Part	Whole / Part	Agent to Whole or Part
Whole Work / Part Work	Comprehensive / Analytical	has part (W) / is part of (W)	is creator of is other agent of **
Whole Expression / Part Expression	Comprehensive / Analytical	has part (E) / is part of (E)	is contributor of
Whole Manifestation / Part Manifestation	Comprehensive / Analytical	has part (M) / is part of (M)	Associated agents ***
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
Single Manifestation	Comprehensive / Analytical	has section (M) / is section of (M)	Associated agents ***

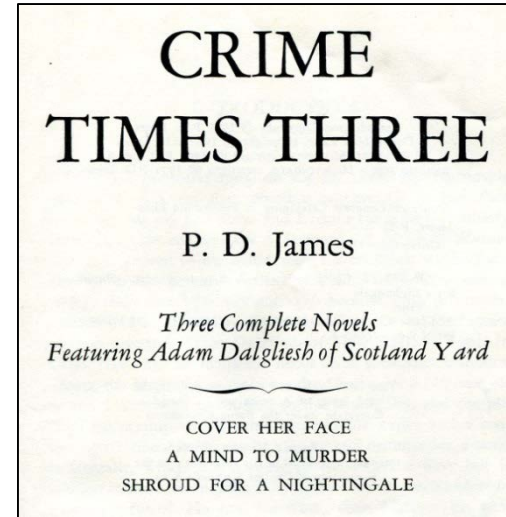
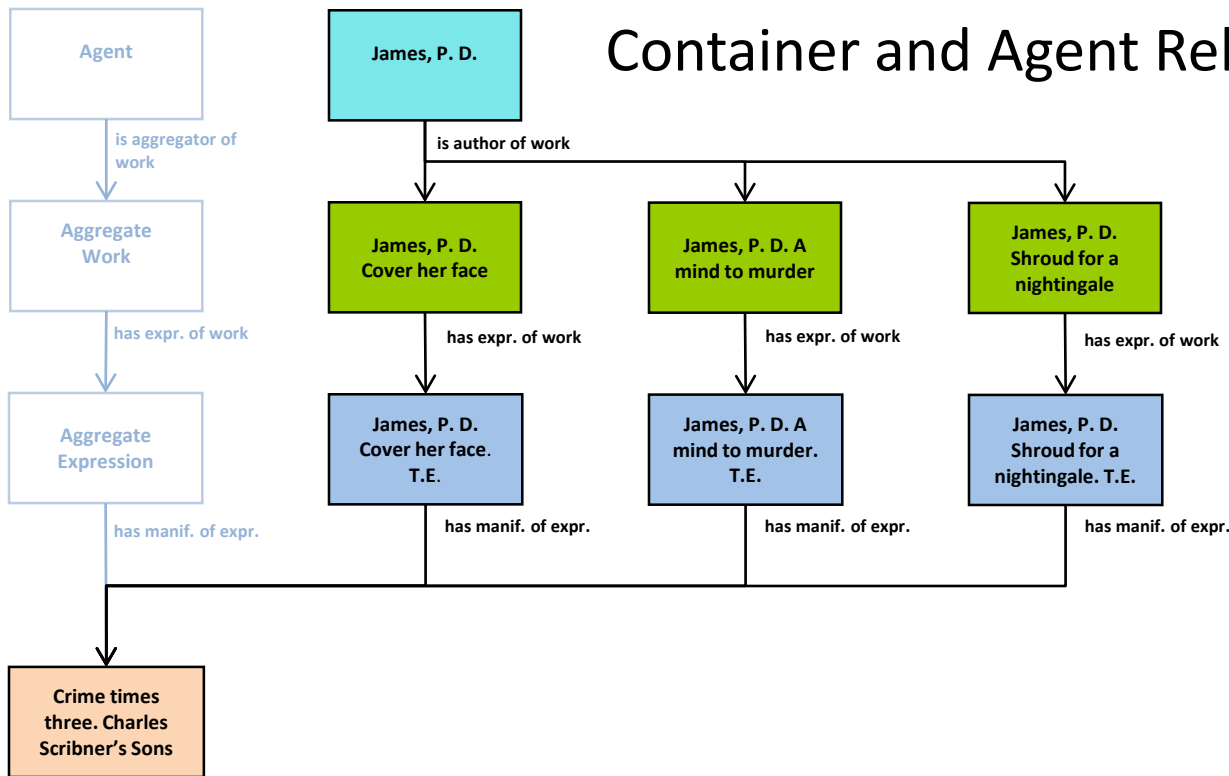
# Container and Agent Relationships: Whole-part WEM

**MULT. CARRIER  
TEXT  
SINGLE STORY  
IN PARTS**



Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
Whole-part entities	Whole / Part	Whole / Part	Agent to Whole or Part
Whole Work / Part Work	Comprehensive / Analytical	has part (W) / is part of (W)	is creator of is other agent of **
Whole Expression / Part Expression	Comprehensive / Analytical	has part (E) / is part of (E)	is contributor of
Whole Manifestation / Part Manifestation	Comprehensive / Analytical	has part (M) / is part of (M)	Associated agents ***

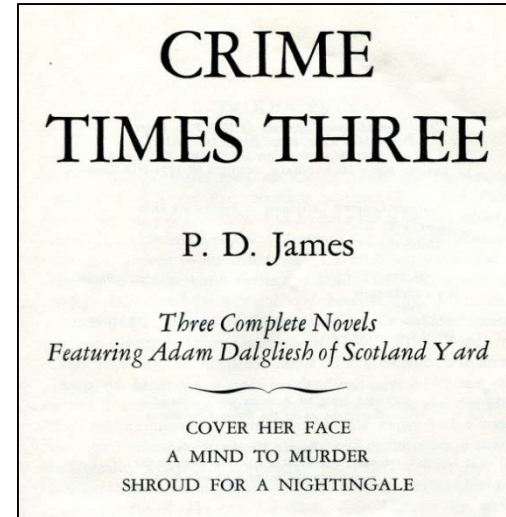
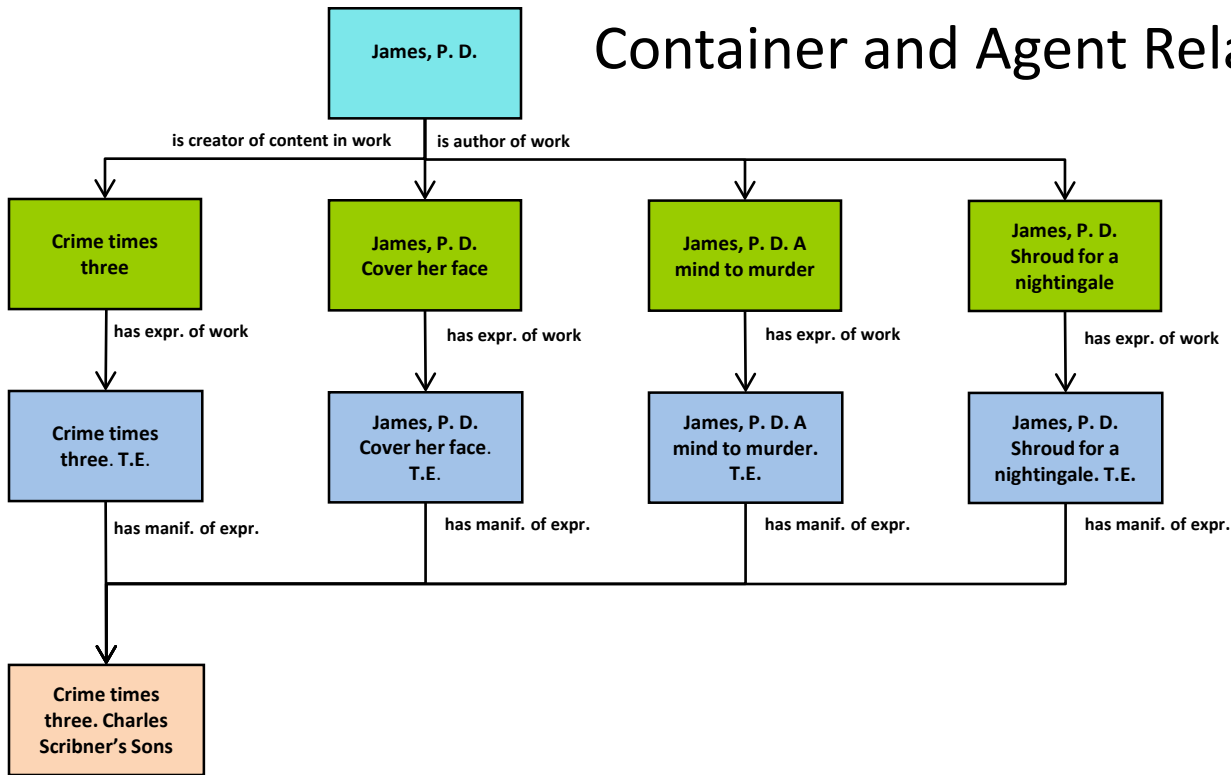
# Container and Agent Relationships: Compilation



Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
Aggregate entities	Aggregate / Incorporated	Aggregate / Incorporated	Agent to Aggregate or Incorporated
Aggregate Work / Incorporated Work	Comprehensive / <b>Analytical</b>	n/a*	is aggregator of ...
Aggregate Expression / Incorporated Expression	Comprehensive / <b>Analytical</b>	... <b>has manifestation of expression / has expression manifested</b>	is contributor of is contributor of content in expression †
Aggregate Manifestation	<b>see Single or Whole-Part</b>	see Single or Whole-Part	Associated agents *** ...
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
Single Work	Comprehensive / Analytical	has section (W) / is section of (W)	<b>is creator of</b> <b>is other agent of **</b>
Single Expression	Comprehensive / Analytical	has section (E) / is section of (E)	is contributor of
Single Manifestation	<b>Comprehensive</b> / Analytical	has section (M) / is section of (M)	Associated agents ***

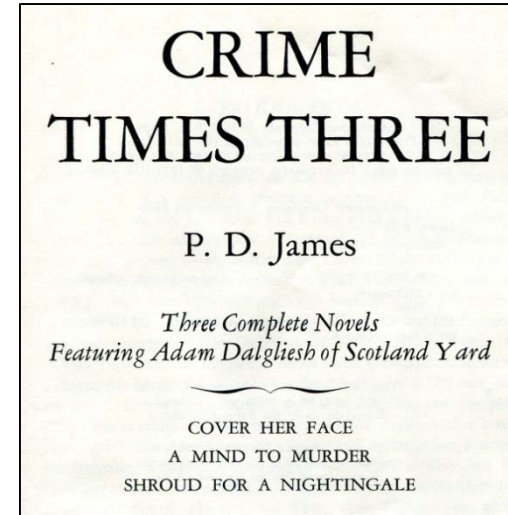
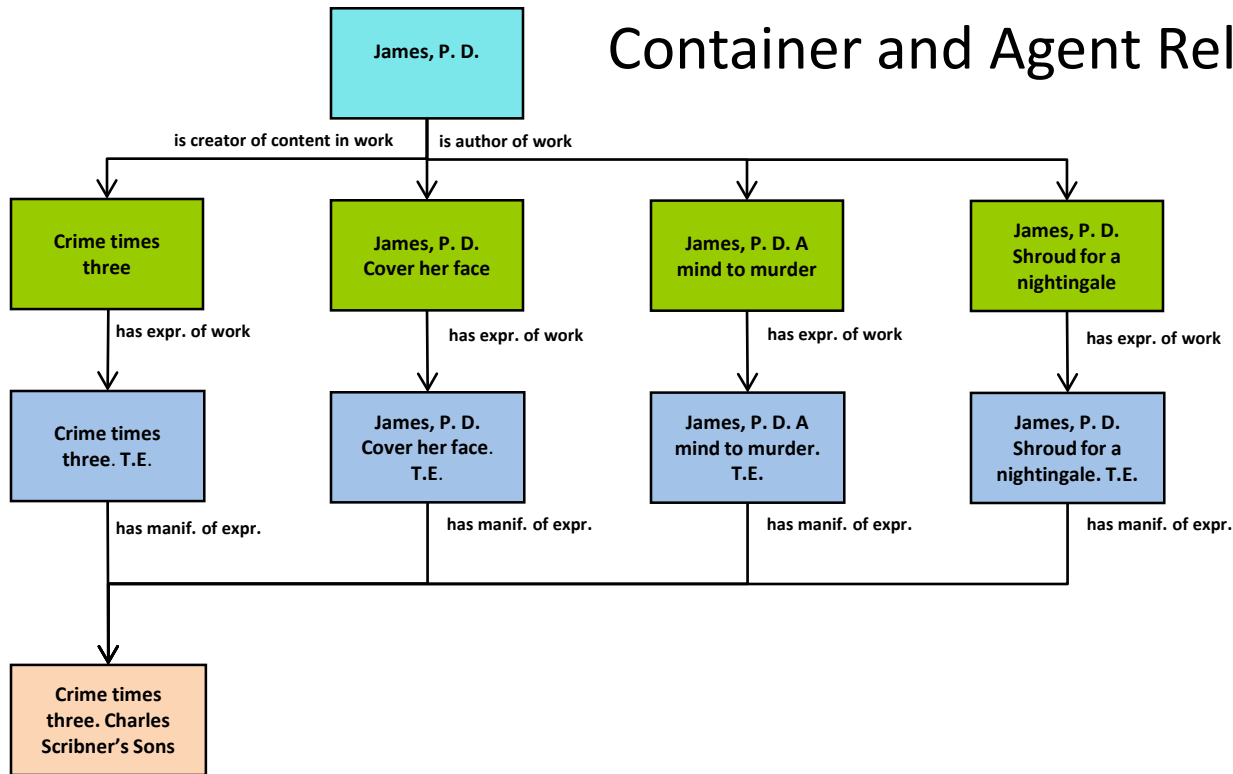


# Container and Agent Relationships: Compilation



Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
Aggregate entities	Aggregate / Incorporated	Aggregate / Incorporated	Agent to Aggregate or Incorporated
Aggregate Work / Incorporated Work	Comprehensive / Analytical	n/a*	is aggregator of is aggregator of content in work † <b>is creator of content in work †</b> is other agent of content in work **
Aggregate Expression / Incorporated Expression	Comprehensive / Analytical	... has manifestation of expression / has expression manifested	is contributor of is contributor of content in expression †
Aggregate Manifestation	see Single or Whole-Part	see Single or Whole-Part	Associated agents *** ...
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
Single Work	Comprehensive / Analytical	has section (W) / is section of (W)	<b>is creator of</b> <b>is other agent of **</b>
Single Expression	Comprehensive / Analytical	has section (E) / is section of (E)	is contributor of
Single Manifestation	Comprehensive / Analytical	has section (M) / is section of (M)	Associated agents ***

# Container and Agent Relationships: Compilation



[-] Person: James, P. D.

[+] **Author of work:** James, P. D. Cover her face

[+] **Author of work:** James, P. D. A mind to murder

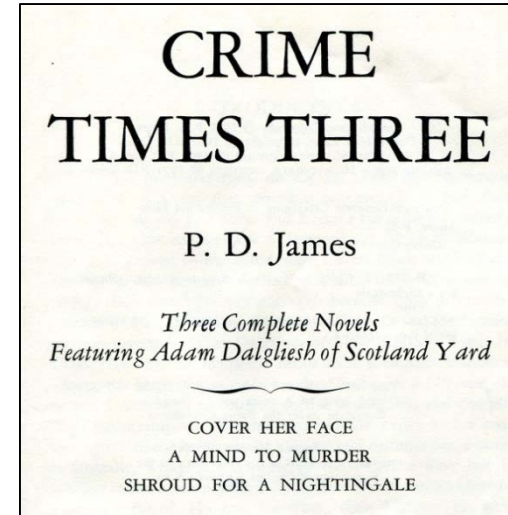
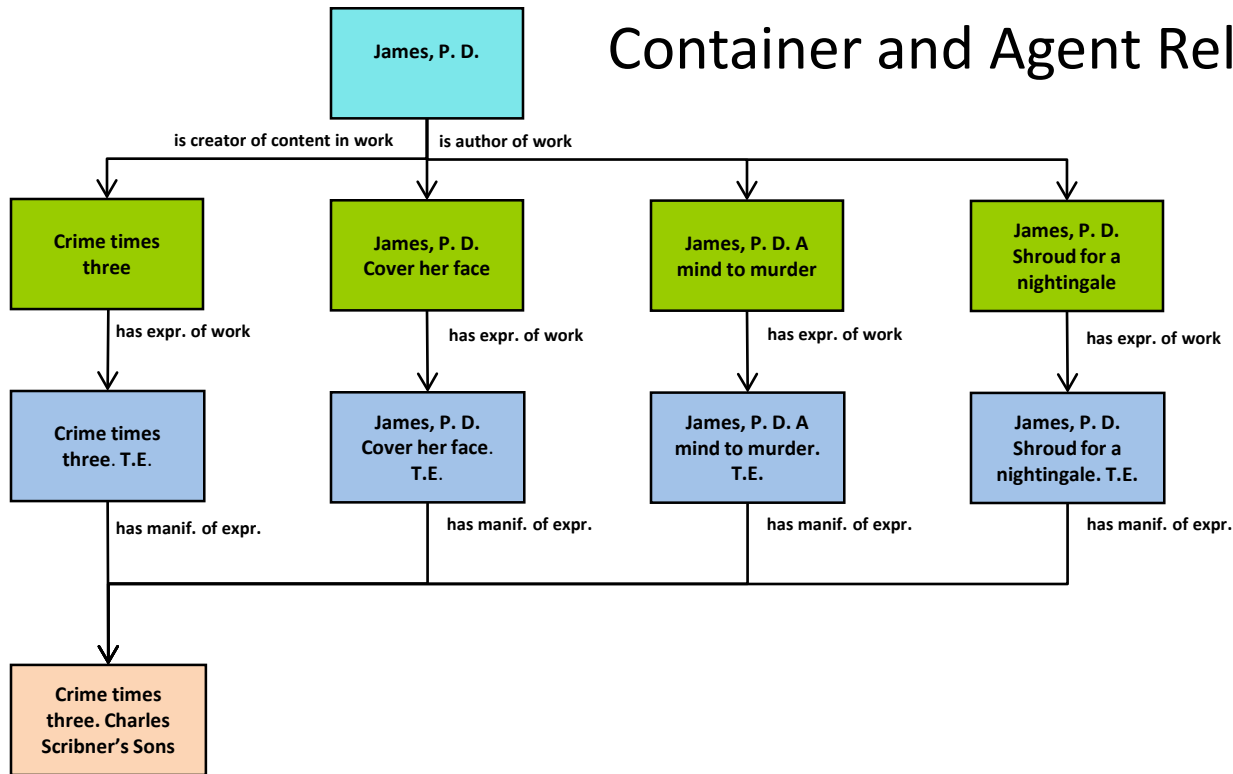
[+] **Author of work:** James, P. D. Shroud for a nightingale

[-] **Author of content in work:** Crime times three

[-] Expression of work: Crime times three. Text. English

[+] Manifestation of expression: Crime times three. Charles Scribner's Sons

# Container and Agent Relationships: Compilation



[-] Person: James, P. D.

[+] **Author of work:** James, P. D. Cover her face

[+] **Author of work:** James, P. D. **A mind to murder**

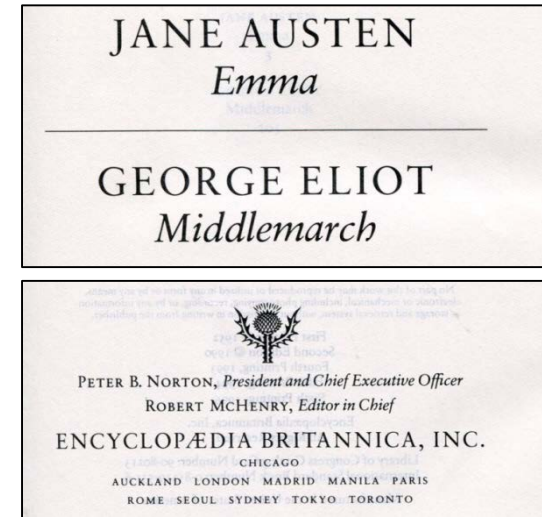
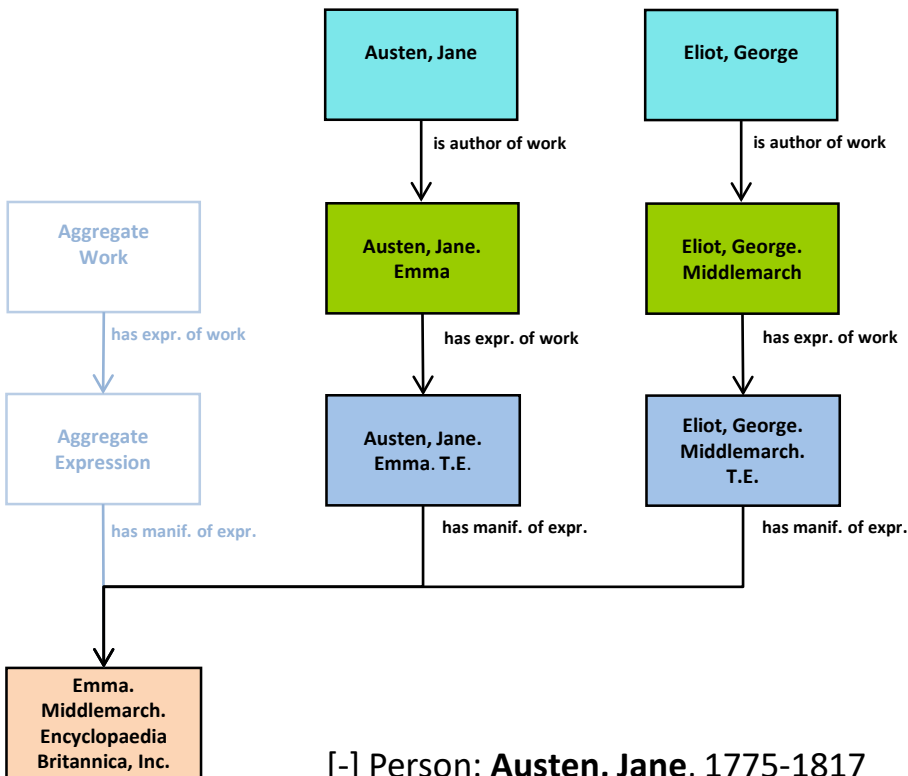
[-] Expression of work: A mind to murder. Text. English

[+] Manifestation of expression: **Crime times three.** Charles Scribner's Sons

[+] Author of work: James, P. D. Shroud for a nightingale

[-] Author of content in work: Crime times three

# Container and Agent Relationships: Compilation



[-] Person: **Austen, Jane**, 1775-1817

[-] Author of work: Austen, Jane, 1775-1817. **Emma**

[-] Expression of work: Austen, Jane, 1775-1817. Emma. Text. English

[+] Manifestation of expression: **Emma. Middlemarch**. Encyclopaedia Britannica. 2007

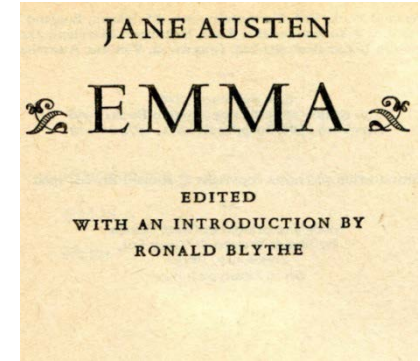
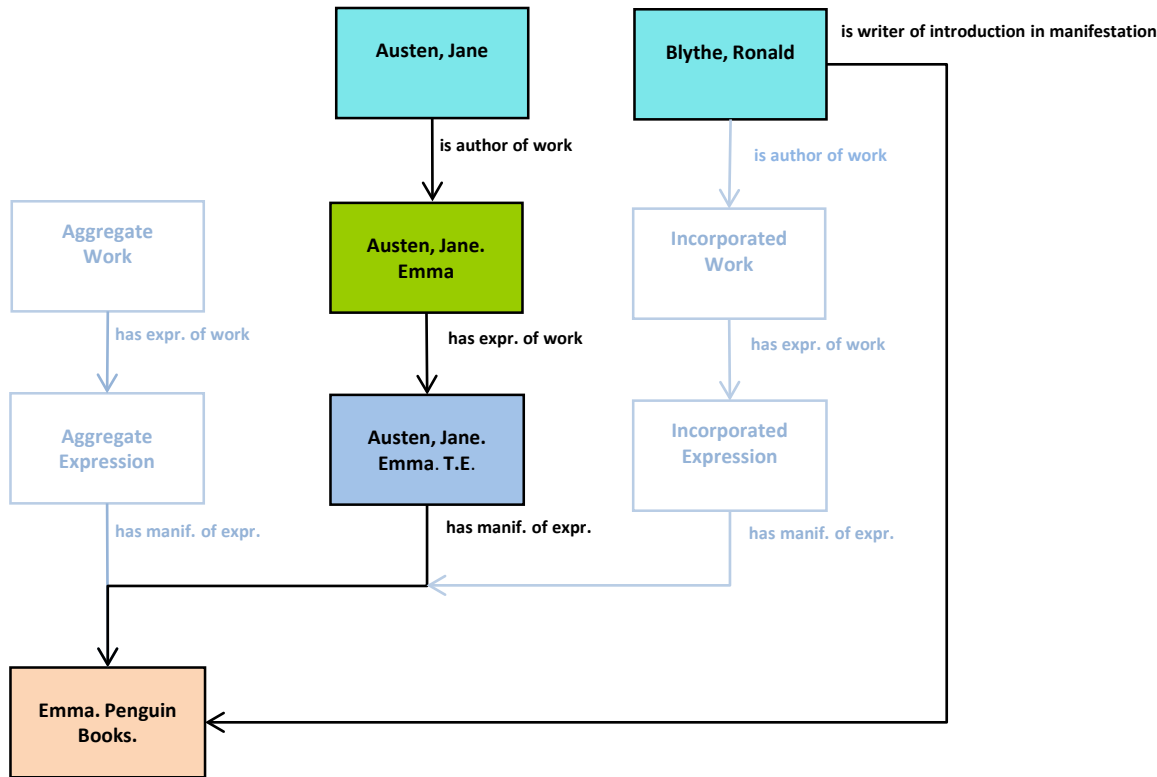
[-] Person: **Eliot, George**, 1819-1880

[-] Author of work: Eliot, George, 1819-1880. **Middlemarch**

[-] Expression of work: Eliot, George, 1819-1880. Middlemarch. Text. English

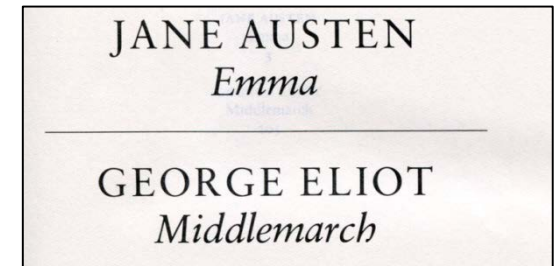
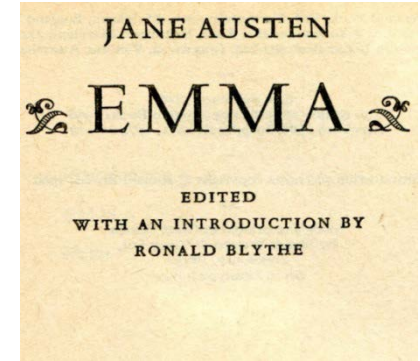
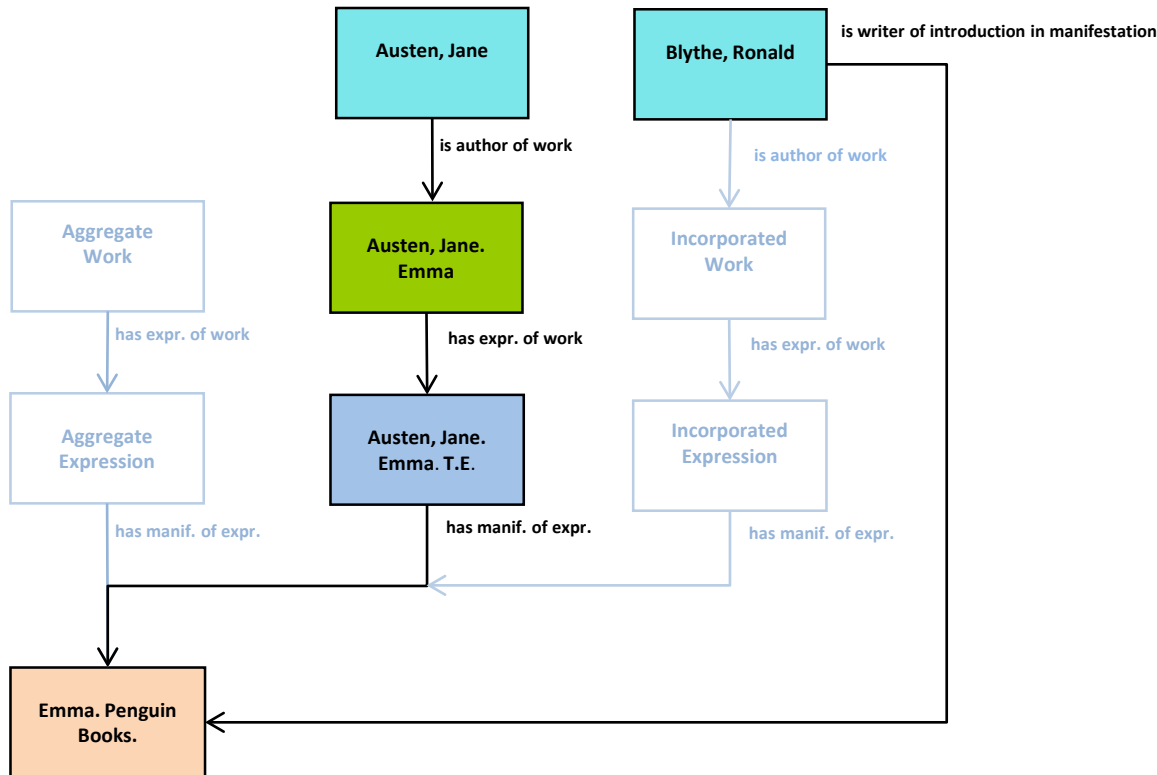
[+] Manifestation of expression: **Emma. Middlemarch**. Encyclopaedia Britannica. 2007

# Container and Agent Relationships: Augmentation



Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
Aggregate entities	Aggregate / Incorporated	Aggregate / Incorporated	Agent to Aggregate or Incorporated
Aggregate Work / Incorporated Work	Comprehensive / <b>Analytical</b>	n/a*	is aggregator of
Aggregate Expression / Incorporated Expression	Comprehensive / <b>Analytical</b>	<b>has manifestation of expression / has expression manifested</b>	is contributor of is contributor of content in expression †
Aggregate Manifestation	<b>see Single or Whole-Part</b>	see Single or Whole-Part	<b>is creator of content in manifestation ‡</b>
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
Single Work	Comprehensive / Analytical	has section (W) / is section of (W)	<b>is creator of</b>
Single Expression	Comprehensive / Analytical	has section (E) / is section of (E)	is contributor of
Single Manifestation	<b>Comprehensive</b> / Analytical	has section (M) / is section of (M)	Associated agents ***

# Container and Agent Relationships: Augmentation



[-] Person: Austen, Jane, 1775-1817

[-] Author of: Austen, Jane, 1775-1817. Emma

[-] Expression of work: Austen, Jane, 1775-1817. Emma. Text. English

[+] Manifestation of expression: Emma. Middlemarch. Encyclopaedia Britannica. 2007

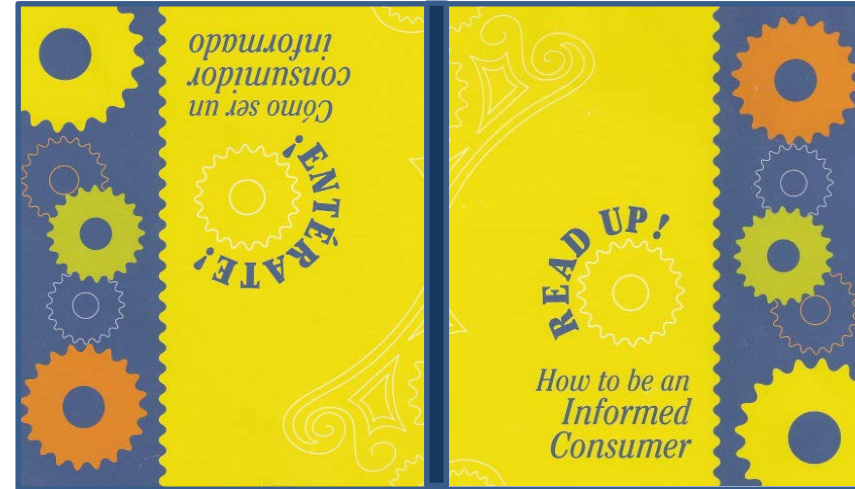
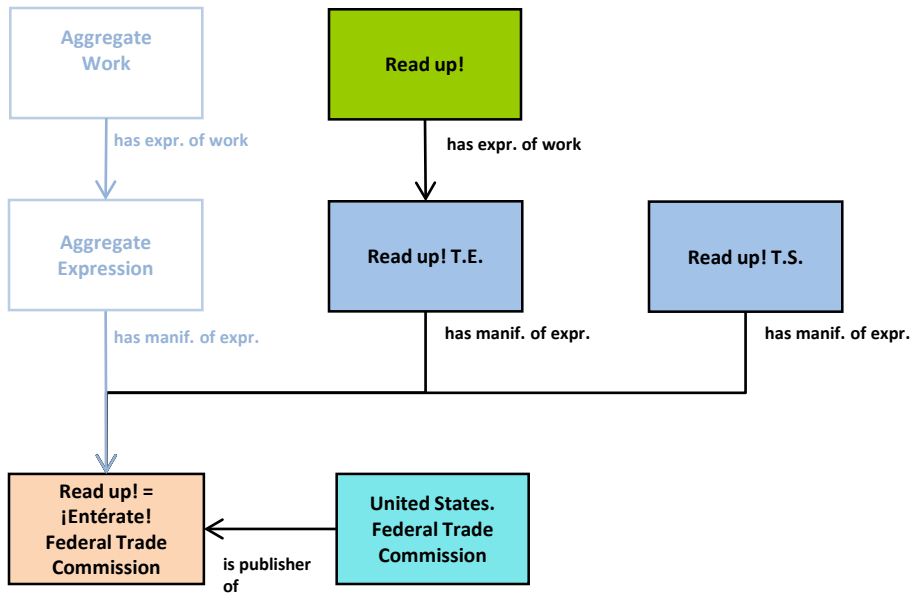
**[-] Manifestation of expression: Emma. Penguin. 1966**

**[+] Writer of introduction (M): Blythe, Ronald, 1922-**

[-] Person: Blythe, Ronald, 1922-

**[+] Writer of introduction in manifestation : Emma. Penguin. 1966. Volume**

# Container and Agent Relationships: Parallels



[-] Work: Read up!

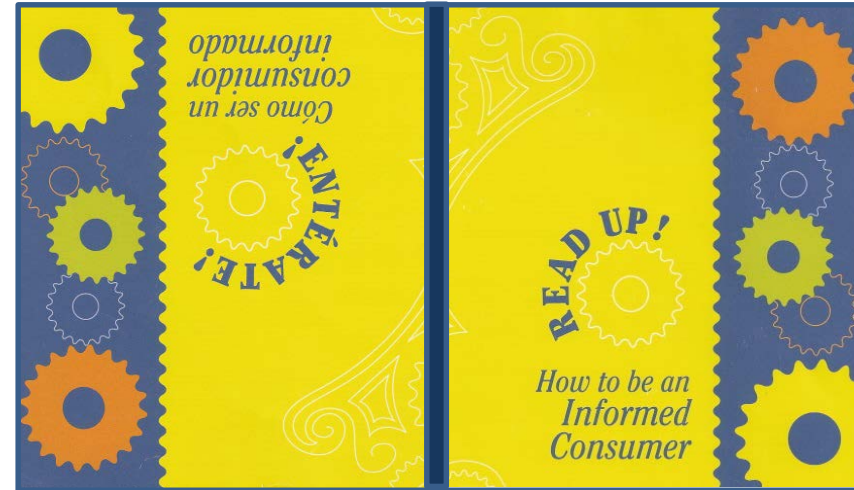
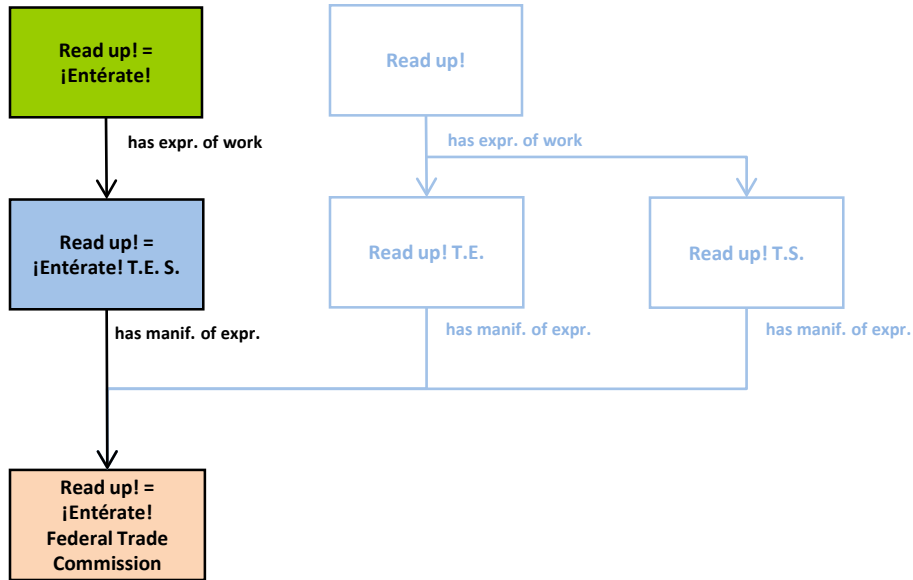
[+] Expression of work: Read up! Text. English

[-] Expression of work: Read up! Text. Spanish

[+] Manifestation of expression: Read up! Federal Trade Commission. [2007?]

Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
Aggregate entities	Aggregate / Incorporated	Aggregate / Incorporated	Agent to Aggregate or Incorporated
Aggregate Work / Incorporated Work	Comprehensive / <b>Analytical</b>	n/a*	is aggregator of
Aggregate Expression / Incorporated Expression	Comprehensive / <b>Analytical</b>	<b>has manifestation of expression / has expression manifested</b>	is contributor of is contributor of content in expression †
Aggregate Manifestation	see Single or Whole-Part	see Single or Whole-Part	is creator of content in manifestation ‡
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
Single Manifestation	<b>Comprehensive</b> / Analytical	has section (M) / is section of (M)	Associated agents ***

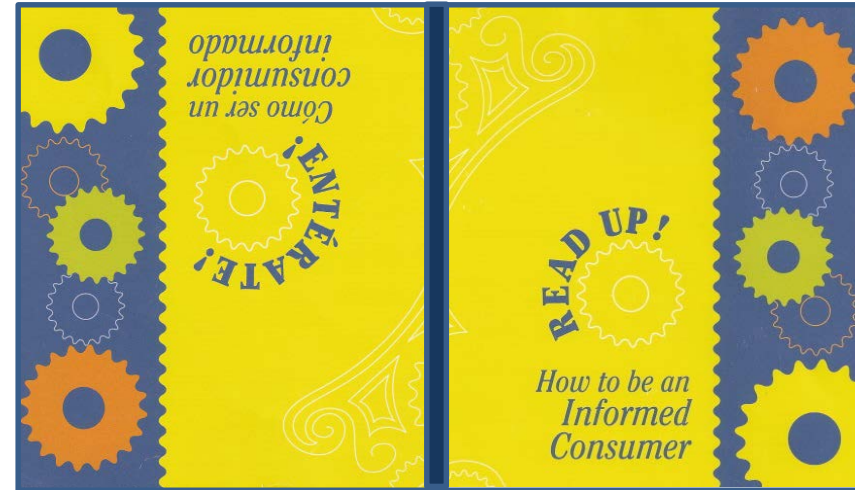
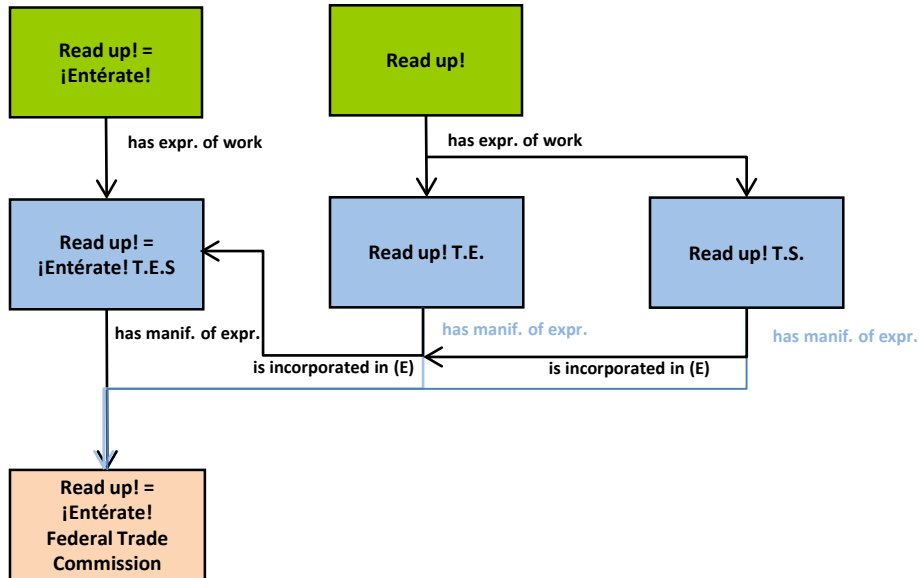
# Container and Agent Relationships: Parallels



Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
Aggregate entities	Aggregate / Incorporated	Aggregate / Incorporated	Agent to Aggregate or Incorporated
Aggregate Work / Incorporated Work	<b>Comprehensive</b> / Analytical	n/a*	is aggregator of
Aggregate Expression / Incorporated Expression	<b>Comprehensive</b> / Analytical	<b>has manifestation of expression / has expression manifested</b>	is contributor of is contributor of content in expression †
Aggregate Manifestation	see Single or Whole-Part	see Single or Whole-Part	is creator of content in manifestation ‡
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
Single Manifestation	<b>Comprehensive</b> / Analytical	has section (M) / is section of (M)	Associated agents ***



# Container and Agent Relationships: Parallels



Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
Aggregate entities	Aggregate / Incorporated	Aggregate / Incorporated	Agent to Aggregate or Incorporated
Aggregate Work / Incorporated Work	<b>Comprehensive / Analytical</b>	n/a*	is aggregator of
Aggregate Expression / Incorporated Expression	<b>Comprehensive / Analytical</b>	<b>has incorporated (E) / is incorporated in (E)</b>	is contributor of is contributor of content in expression †
Aggregate Manifestation	see <b>Single or Whole-Part</b>	see Single or Whole-Part	is creator of content in manifestation ‡
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
Single Manifestation	<b>Comprehensive / Analytical</b>	has section (M) / is section of (M)	Associated agents ***

# Types of aggregates: Integrated aggregates

**OH, WHAT A BEAUTIFUL MORNIN'** <sup>1</sup>  
from OKLAHOMA!

Lyrics by OSCAR HAMMERSTEIN II  
Music by RICHARD RODGERS

Swaying

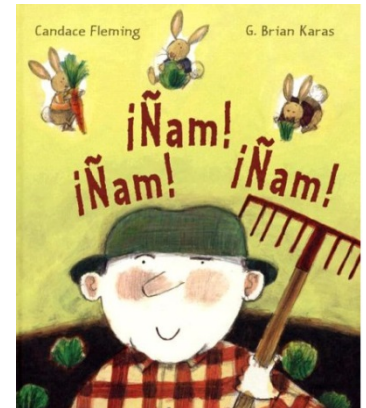
The image shows a musical score for the song 'Oh, What a Beautiful Mornin'' from the musical Oklahoma!. It features two systems of music. The first system is in 3/4 time, marked 'Swaying' and 'mf'. The melody is in the treble clef, and the bass line is in the bass clef. The lyrics are: 'There's a bright gold - on haze on the road - on. / cat - the are stand - in' like stat - ses. / The'. The second system continues the melody and bass line with the lyrics: 'All the bright gold - on haze on the road - on. / cat - the are stand - in' like stat - ses. / They'. The score includes a key signature of one flat and a time signature of 3/4.

Eric Whitacre

The Stolen Child

William Butler Yeats

The image shows the cover of the score for 'The Stolen Child' by Eric Whitacre, based on the poem by William Butler Yeats. The cover features the composer's name 'Eric Whitacre' at the top, a small logo in the center, the title 'The Stolen Child' in a large, elegant font, and the poet's name 'William Butler Yeats' at the bottom. The background is a light, textured grey.

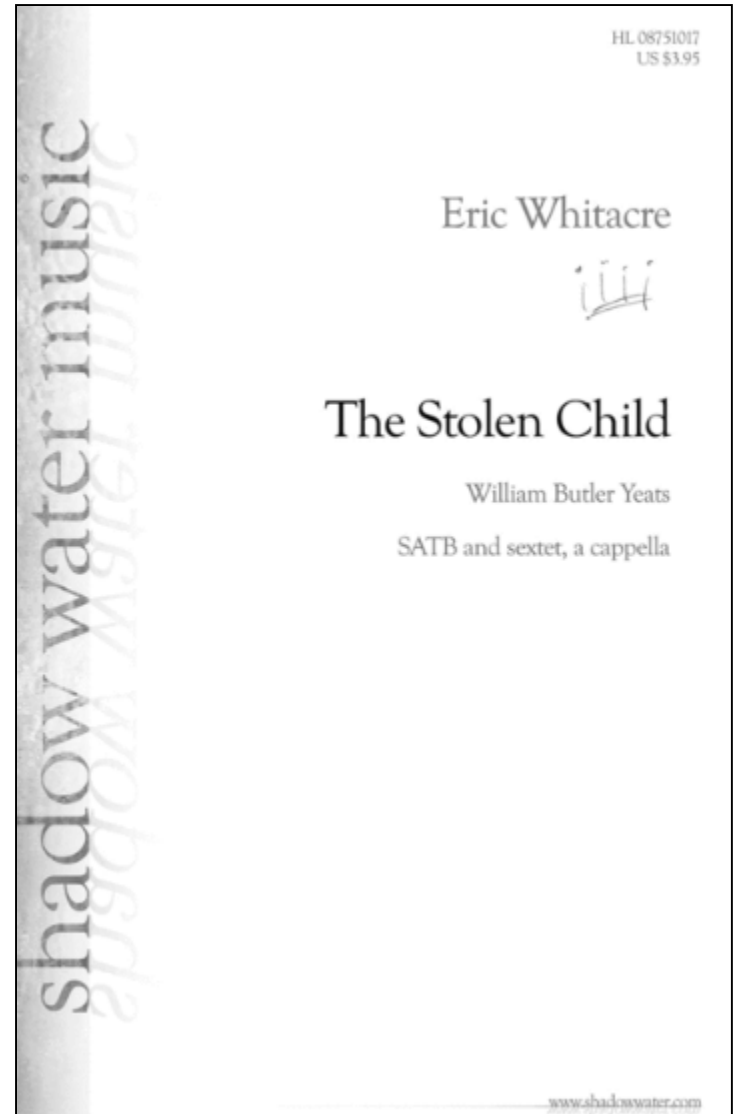


# Integrated aggregates

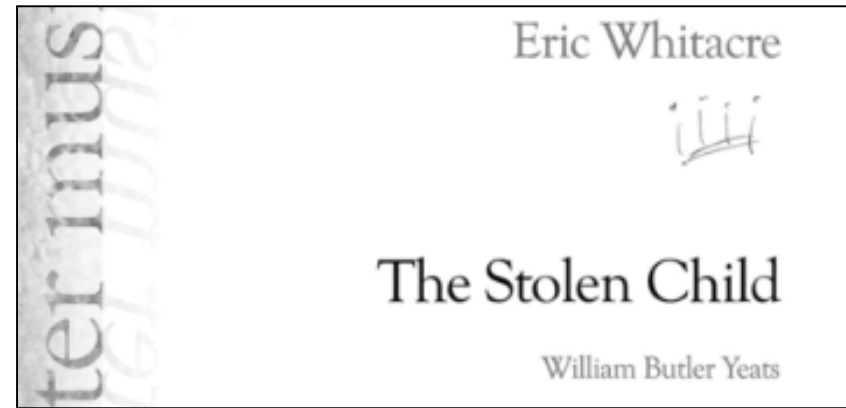
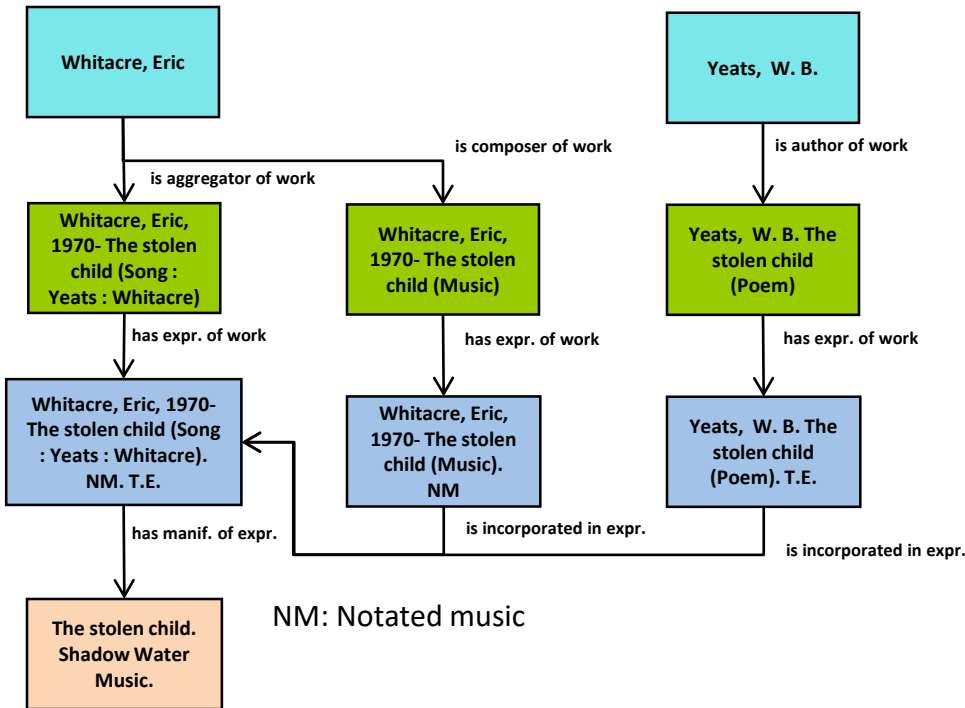
Yeats wrote a poem, a long  
time ago

Eric composed music for it,  
not so long ago

Someone (Eric?) put the  
music and the poem  
together to make a song.



# Integrated aggregates



[-] Work: **Whitacre, Eric, 1970- The stolen child (Song : Yeats : Whitacre)**

[-] Expression of work: Whitacre, Eric, 1970- The stolen child (Song : Yeats : Whitacre). **Notated music. Text. English**

[+] Manifestation of expression: The stolen child. Shadow Water Music. 2009.

[-] **Incorporated expression: Yeats, W. B. (William Butler), 1865-1939. The stolen child. Text. English**

[-] Work expressed: Yeats, W. B. (William Butler), 1865-1939. The stolen child

[+] **Creator:** Yeats, W. B. (William Butler), 1865-1939

[-] **Incorporated expression: Whitacre, Eric, 1970- The stolen child (Music). Notated music**

[-] Work expressed: Whitacre, Eric, 1970- The stolen child (Music)

[+] **Composer:** Whitacre, Eric, 1970-

[+] **Aggregator:** Whitacre, Eric, 1970-

# Integrated aggregates

We know that Rodgers and Hammerstein collaborated to create the words (Hammerstein) and the music (Rodgers) of the song (Oh, what a beautiful mornin')

But it is still just an aggregate.

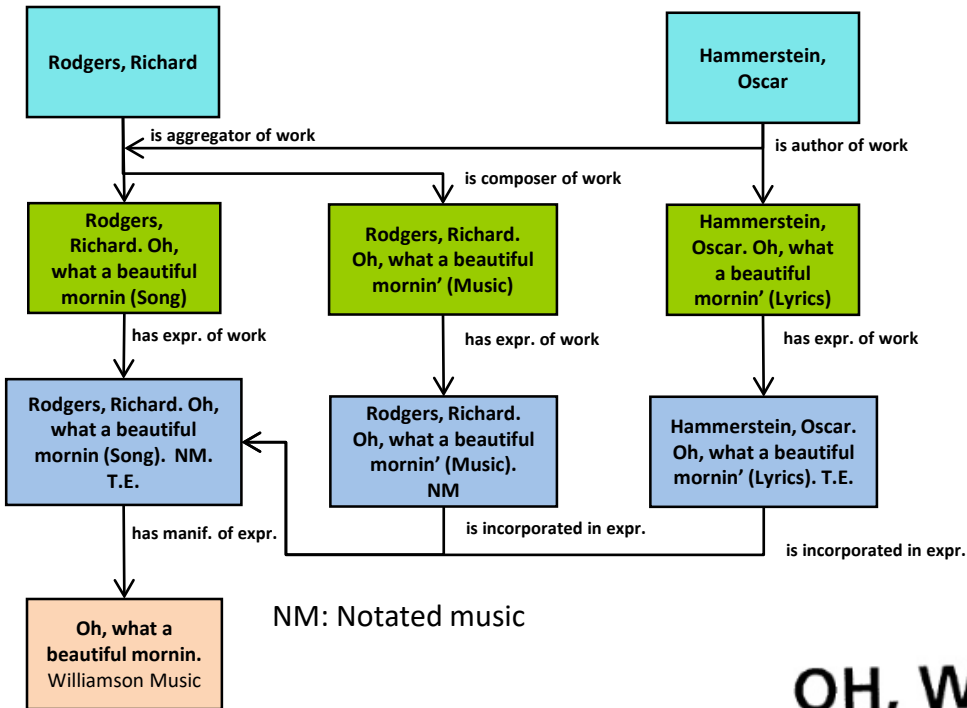
## OH, WHAT A BEAUTIFUL MORNIN'<sup>291</sup> from OKLAHOMA!

Lyrics by OSCAR HAMMERSTEIN II  
Music by RICHARD RODGERS

Moderate Waltz

The musical score is presented in three systems. Each system consists of a vocal line (treble clef) and a piano accompaniment (grand staff). The key signature is B-flat major (two flats) and the time signature is 3/4. The tempo is marked 'Moderate Waltz'. The first system shows the beginning of the piece with the lyrics 'There's a'. The second system continues with 'bright gold en haze on the mead - ow, / cat tle are the stand in' like stat - ues, / sounds of the earth are like mu - sic.'. The third system continues with 'there's a bright gold en haze on the mead - ow, / all the cat tle are the earth are like mu - sic.'. Chord diagrams are provided above the vocal line for Eb, Edim7, Bb7, Eb, Bb7, Eb, and Cm. The piano accompaniment includes dynamics such as 'mf' and 'p'.

# Integrated aggregates



## OH, WHAT A BEAUTIFUL MORNIN'<sup>291</sup> from OKLAHOMA!

Lyrics by OSCAR HAMMERSTEIN II  
Music by RICHARD RODGERS

Moderate Waltz

E<sub>b</sub> Edim7 B<sub>b</sub>7

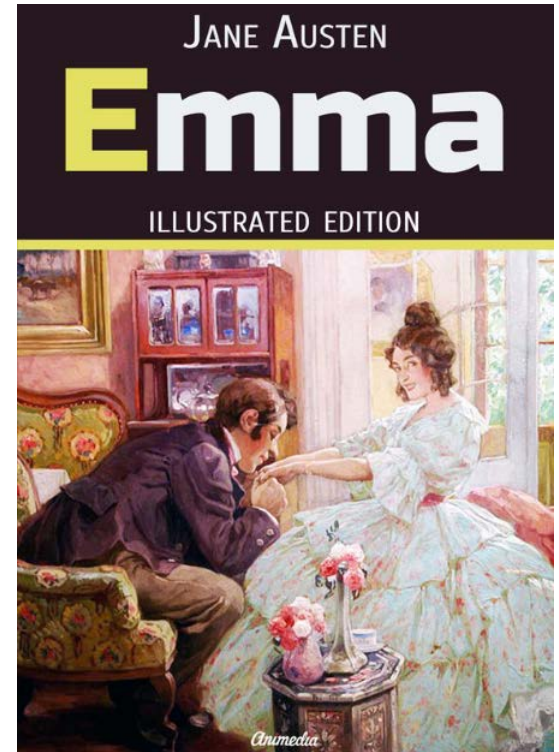
There's a

*mf* *p*

# Augmentation aggregate

In this manifestation, Emma has been augmented by an introduction, and the illustrations of two separate artists, and those illustrations have appeared separately with Emma in other manifestations.

This is quite obviously an augmentation aggregate



## **EMMA**

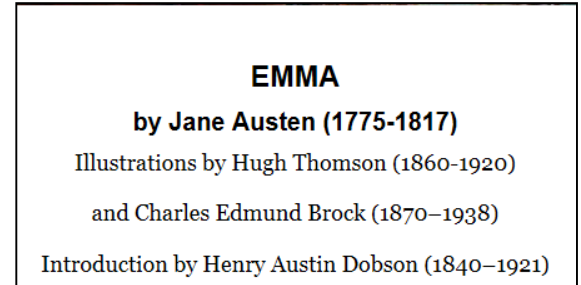
by Jane Austen (1775-1817)

Illustrations by Hugh Thomson (1860-1920)

and Charles Edmund Brock (1870-1938)

Introduction by Henry Austin Dobson (1840-1921)

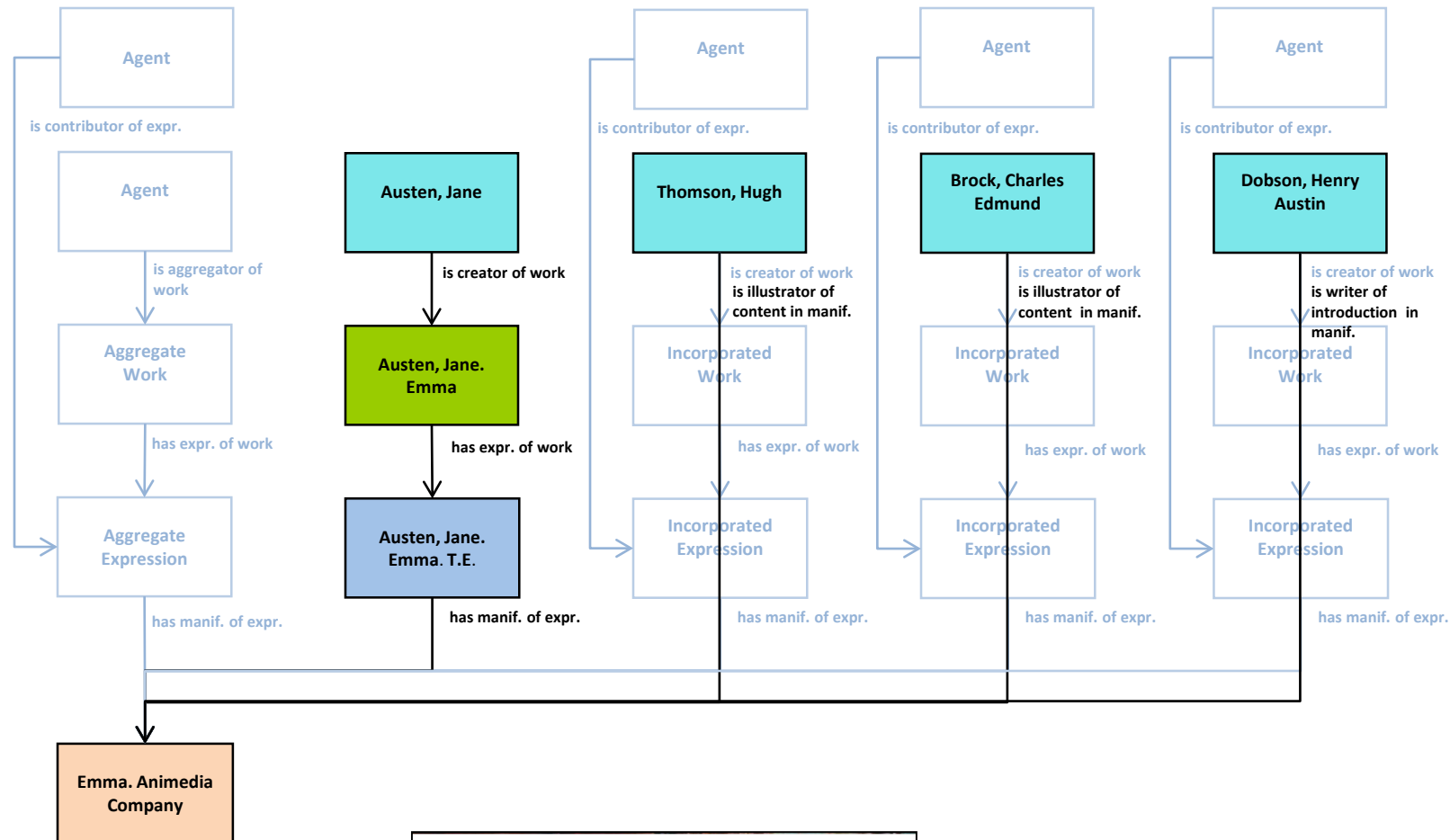
# Augmentation aggregate



Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
Aggregate entities	Aggregate / Incorporated	Aggregate / Incorporated	Agent to Aggregate or Incorporated
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Aggregate Expression / Incorporated Expression	Comprehensive / <b>Analytical</b>	<b>has manifestation of expression / has expression manifested</b>	is contributor of is contributor of content in expression †
Aggregate Manifestation	see Single or Whole-Part	see Single or Whole-Part	Associated agents *** is aggregator of content in manifestation ‡ <b>is creator of content in manifestation ‡</b> is other agent of content in manifestation ‡ is contributor of content in manifestation ‡
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
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Single Manifestation	<b>Comprehensive</b> / Analytical	has section (M) / is section of (M)	Associated agents ***



# Augmentation aggregate



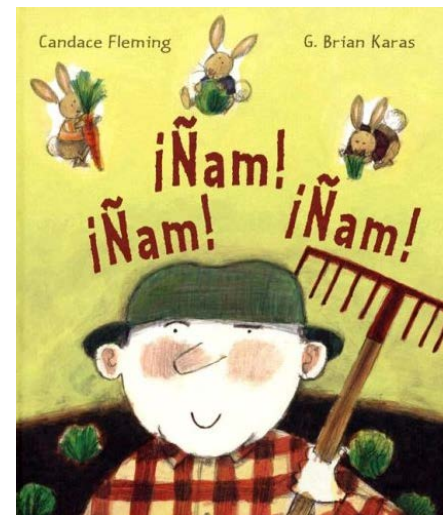
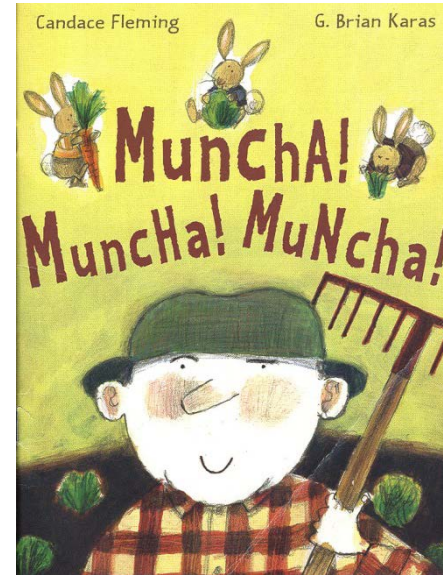
**EMMA**  
 by Jane Austen (1775-1817)  
 Illustrations by Hugh Thomson (1860-1920)  
 and Charles Edmund Brock (1870-1938)  
 Introduction by Henry Austin Dobson (1840-1921)



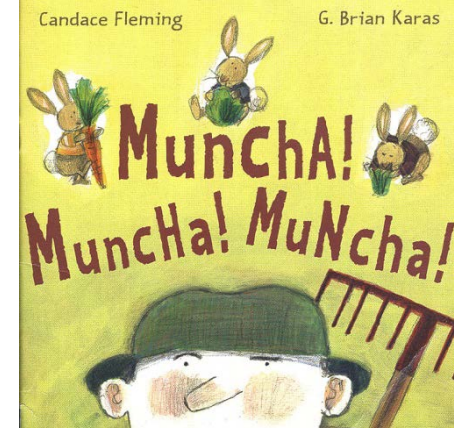
# Integrated aggregates

Is this an augmented aggregate: illustrations added to text; or text added to illustration; or is it integrated; and was it done collaboratively.

We don't know, and it doesn't matter—just say it is an aggregate, and go from there.

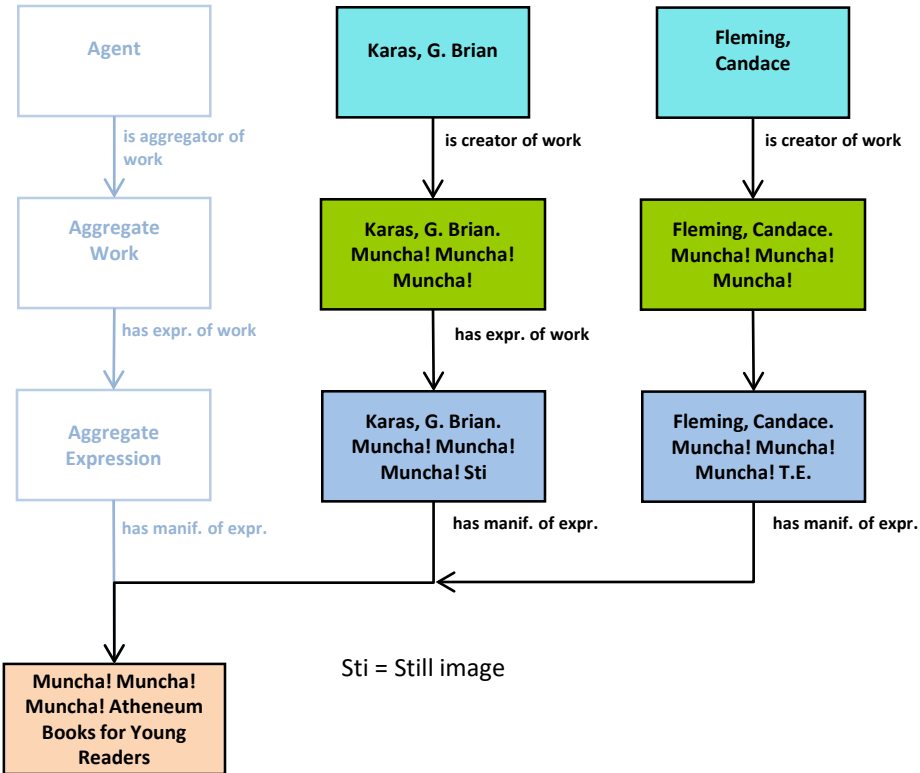
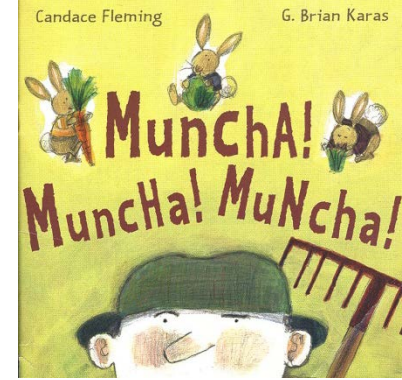


# Integrated aggregates

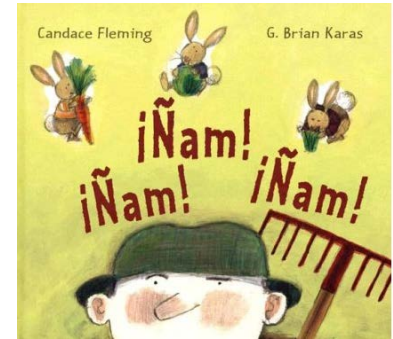
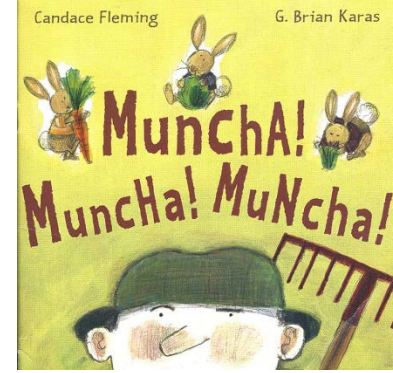
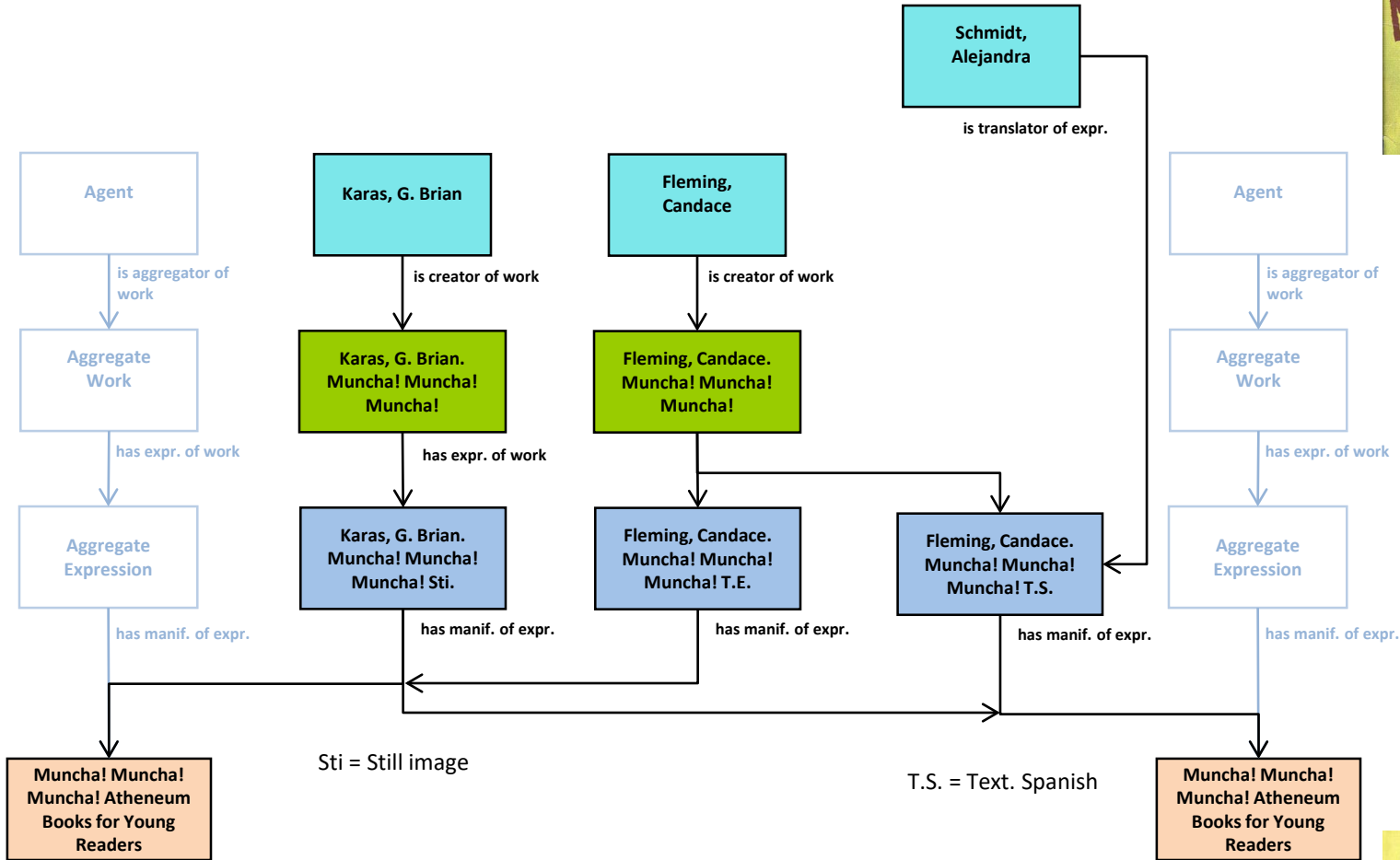


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Aggregate entities	Aggregate / Incorporated	Aggregate / Incorporated	Agent to Aggregate or Incorporated
Aggregate Work / Incorporated Work	Comprehensive / <b>Analytical</b>	n/a*	is aggregator of
Aggregate Expression / Incorporated Expression	Comprehensive / <b>Analytical</b>	<b>has manifestation of expression / has expression manifested</b>	is contributor of is contributor of content in expression †
Aggregate Manifestation	see <b>Single or Whole-Part</b>	see Single or Whole-Part	Associated agents *** is aggregator of content in manifestation ‡ <b>is creator of content in manifestation ‡</b> is other agent of content in manifestation ‡ is contributor of content in manifestation ‡
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
Single Work	Comprehensive / Analytical	has section (W) / is section of (W)	<b>is creator of</b> is other agent of **
Single Manifestation	<b>Comprehensive</b> / Analytical	has section (M) / is section of (M)	Associated agents ***

# Integrated aggregates



# Integrated aggregates



# Integrated aggregates

[ - ] Person: **Fleming, Candace**

[ - ] **Author of: Fleming, Candace. Muncha! Muncha! Muncha!**

[ - ] Expression of work: Fleming, Candace. Muncha! Muncha! Muncha! **Text. English**

[ + ] Manifestation of expression: **Muncha! Muncha! Muncha! Atheneum Books for Young Readers. [2002].**

[ - ] Expression of work: Fleming, Candace. Muncha! Muncha! Muncha! **Text. Spanish**

[ + ] Translator: Schmidt, Alejandra

[ + ] Manifestation of expression: **¡Ñam! ¡Ñam! ¡Ñam! Lectorum Publications. 2007.**

[ - ] Person: Karas, G. Brian

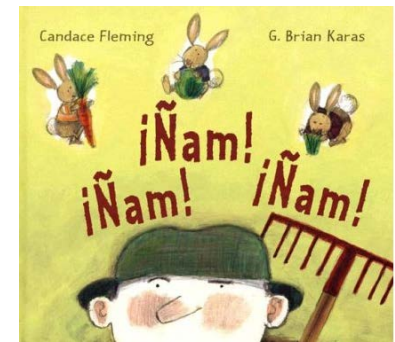
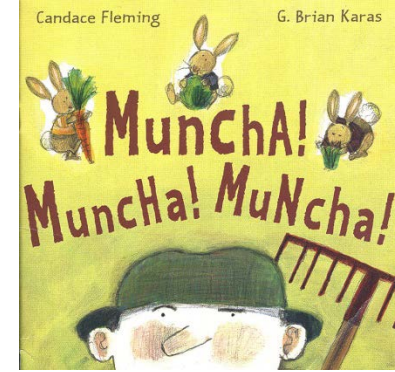
[ - ] Artist of: Karas, G. Brian. Muncha! Muncha! Muncha!

[ - ] Expression of work: Karas, G. Brian. Muncha! Muncha! Muncha! Still image

[ + ] Work expressed: Karas, G. Brian. Muncha! Muncha! Muncha!

[ + ] Manifestation of expression: Muncha! Muncha! Muncha! Atheneum Books for Young Readers. [2002].

[ + ] Manifestation of expression: ¡Ñam! ¡Ñam! ¡Ñam! Lectorum Publications. 2007. Volume



# Full Decision Table

Types of Entities	Types of Description	Container relationships between descriptions the entities	Agent relationships to Single, Whole-part, or Aggregate entities
Aggregate entities	Aggregate / Incorporated	Aggregate / Incorporated	Agent to Aggregate or Incorporated
Aggregate Work / Incorporated Work	Comprehensive / Analytical	n/a*	is aggregator of is aggregator of content in work † is creator of content in work † is other agent of content in work **
Aggregate Expression / Incorporated Expression	Comprehensive / Analytical	has incorporated (E) / is incorporated in (E) or has manifestation of expression / has expression manifested	is contributor of is contributor of content in expression †
Aggregate Manifestation	see Single or Whole-Part	see Single or Whole-Part	Associated agents *** is aggregator of content in manifestation ‡ is creator of content in manifestation ‡ is other agent of content in manifestation ‡ is contributor of content in manifestation ‡
Whole-part entities	Whole / Part	Whole / Part	Agent to Whole or Part
Whole Work / Part Work	Comprehensive / Analytical	has part (W) / is part of (W)	is creator of is other agent of **
Whole Expression / Part Expression	Comprehensive / Analytical	has part (E) / is part of (E)	is contributor of
Whole Manifestation / Part Manifestation	Comprehensive / Analytical	has part (M) / is part of (M)	Associated agents ***
A single entity / a section of it	Single / Section	Single / Section	Agent to Single or Section
Single Work	Comprehensive / Analytical	has section (W) / is section of (W)	is creator of is other agent of **
Single Expression	Comprehensive / Analytical	has section (E) / is section of (E)	is contributor of
Single Manifestation	Comprehensive / Analytical	has section (M) / is section of (M)	Associated agents ***

# Discussion

The AWG Aggregates Model

Types of aggregates

Types of WEM entities

Types of descriptions

Container relationships

Agent to WEM relationships

Hot topics:

- Integrated aggregates