Dürer’s rhinoceros and what he or she was wearing: Carnations, luxury gardens, identity formation, and urban splendor, 1460–1550

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Abstract
This article examines how images of carnations in the page borders and calendar miniatures of the late medieval devotional books locally produced for Netherlandish civic elites provide an opportunity to examine identity formation and concepts of urban magnificence and splendor. It also considers the role of carnations in discussions and depictions of gardens in a popular medieval Italian estate creation and management book, Piero Crescenzi’s Ruralium Commodorum, that, especially in French translation in Netherlandish illuminated manuscript copies, was a how-to-do-it manual for those seeking to build manor and town houses with gardens befitting their status. Thus, both depictions of the potted plant in art and scenes of the carnation in a garden setting were intended to project the owners’ flower connoisseurship and their splendor and civic magnificence. Further, the makers (in most cases artisan fellow townsmen of the commissioners) of these miniatures and borders projected for the books’ patrons luxury and consumption fantasies on which to model their lives, and to help them distinguish themselves culturally from the long established landed aristocracy.

Keywords
Flemish urban elites, flowers, gardens, identity formation, medieval manuscripts

A one-horned Indian rhinoceros known through a widely reproduced woodcut by Albrecht Dürer signaled the first European public awareness of the animal since Roman times. The Sultan of Gujarat had sent it in homage to Lisbon along with several shiploads of Eastern spices. Eventually it reached King Manuel I of Portugal, who in 1515 re-gifted the pachyderm to the newly elected Medici humanist Pope Leo X. The King’s hope by
this gesture was to obtain economic advantage in the spice trade as well as to signal his personal magnificentia and splendor. On its way to Rome the animal perished by shipwreck.

Here is a small yet intriguing detail about this tragic commodity. The rhinoceros was decorated with another import from the East, apparently thought by the Portuguese ruler to add to the animal’s wonder-provoking qualities, for it wore on its journey a fringed green velvet collar on which were worked gilt representations of carnations (Clarke, 1986: 16), a plant whose high-status among late 15th- and early 16th-century urban mercantile, financial, and ecclesiastical elites prefigured the later manias for tulips, hyacinths and roses in the Low Countries (Hochstrasser, 2007; see also Goldgar, 2007, 2010).

Carnations, an Ottoman export and commodity, had become very fashionable both in life and in art in northern European gardens, where they were cultivated with extreme difficulty in greenhouses warmed in winter by the technique—familiar from medieval alchemy—of burying decomposing animal dung a foot or so beneath the soil (Kamil, 2005: 347). Each spring servants bore these potted plants out to the luxury gardens—luxury in that they had no medicinal or culinary purpose and were purely for owner satisfaction and show—of the civic and ecclesiastical elites of Ghent, Bruges, and Antwerp.

This article examines how images of carnations in the page borders and calendar miniatures of the devotional books locally produced for these owners provide an opportunity to examine identity formation and concepts of urban magnificence and splendor in the Netherlandish cultural imaginary. It also considers the role of carnations and luxury gardens in discussions and pictures in a popular Italian estate creation and management book of the period, Piero Crescenzi’s Ruralium Commodorum, that, especially in French translation in Netherlandish manuscript copies, was a how-to-do-it manual for those seeking to build manor and town houses with gardens befitting their status. Thus, both depictions of the potted plant in art and scenes of the carnation in a garden setting were intended to project and assert the owners’ flower connoisseurship and their splendor and civic magnificence. Further, the makers (in most cases artisan fellow townsmen of the patrons) of these miniatures and borders projected for the owners convenient luxury and consumption fantasies on which to model their lives.

I use the terms ‘luxury’ and ‘consumption’ following Roberta Sassatelli (1997: 341, 342). The former is taken as ‘individual consumption of new superfluous commodities’. And by the latter I understand ‘the use of commodities for private purposes, notably self-fashioning and self-definition’. Thus, I hope to show that non-edible, non-medicinal carnations, their high status imported containers, and the purely aesthetic and status-asserting gardens they were set out in for a couple of months a year, embodied wish fulfillment by aiding in the identity formation of these new Netherlandish elites and helping them distinguish themselves culturally from the long-established landed aristocracy.

With respect to chronology, carnations and private luxury gardens formed part of the Netherlandish technological, economic, and cultural scene from about 1460 to about 1550, when the carnation vogue and medieval luxury garden designs were replaced by a desire for New World plants and garden designs of a new type in which to display them among ‘fleuristes’, collectors, and ‘colonial’ botanists.

As Elizabeth Hyde (2005) has shown for the early modern period, northern European fleuristes created new and mutable identities crossing class and gender lines through their flowers, often forming, in the Netherlands, for example, confraternities, and writing...
about the rarity of their flowers or cataloguing them (see also Hyde, 2002: 77–100). The evidence, however, for late medieval collecting and prizing of exotic natural objects or naturalia is much sparser and no ekphrasis or written account of a work of art survives to help us understand pictorial representations of flowers. To learn just how these flowers asserted their cultivators’ identity it is necessary to see carnations and the gardens in which they were displayed as material objects, mute things, in Lorraine Daston’s (2004: 228) phrase, which ‘cannot speak for [themselves], thereby inviting representation by those who can speak and to whom the objects matter’.

The study in such a deep past of the material objects luxury gardens and the carnations often grown in them obviously poses, then, a special set of problems. And even more challenging is the fact that they are ephemeral objects merely depicted in works of visual art, such as the manuscript miniatures discussed here, yet which clearly had a reality both to the artisan class and to the beholders of all social ranks. As Julie Hochstrasser (2007: 6) noted of Dutch still-lifes and the high-status exotic material objects such as lemons and Chinese porcelain so often represented in them, there is ‘the danger of a conceptual slippage between objects and images of objects … the distinction between material and visual culture is often allowed to blur or dissolve’. By juxtaposing here the material histories of specific potted plants, their containers, and gardens with their visual portrayals in some late medieval manuscript miniatures, I hope to sharpen our focus on this distinction, showing how the carnation and the Netherlandish gardens showcasing this flower participated in a small way in what Pamela Smith and Paula Findlen (2002: 3) have called ‘a profound transformation in attitudes towards the natural world, the material environment, and their artistic representation [that] occurred within a new environment of global trade … in which commodities were produced, accumulated, consumed, and exchanged’.

Three images from hand-painted Flemish manuscripts, late Gothic in style but Renaissance in date, show the objects of interest here (see Figure 1). The book of prayers to be recited by the owners at certain hours of the day (horae) from which the page in Figure 1 comes was made for the soldier and courtier, Knight of the Order of the Golden Fleece, Lieutenant General of the Low Countries, and patron of the handmade book Engelbert II Count of Nassau (1451–1504). Engelbert’s commissioning of this book shows the consumption of carnations by a member of the Burgundian hierarchy and through the artist’s borders and miniatures expresses Engelbert’s sense of himself as one knowledgeable in the most fashionable flowers (Alexander, 1970).3

This border is an example of the style of decoration called trompe l’oeil or eye deceiving because the depictions of nature were so life-like (Harbison, 1984; see also Kaufmann and Kaufmann, 1991). As Michael Taussig (2003: 109), in his meditation on flowers, so well expressed it, such pages are like magic tricks in which you suspect sleight of hand but are nevertheless filled with wonder as the rabbit is extracted from the top hat. You are left suspended, unable to decide what is art and what is nature, temporarily stripped of your common sense with its assumptions as to the nature of nature let alone the nature of art.4

We see the story depicted in the miniature as if through a window whose frame is covered with these very realistic flowers and insects. With respect to the page’s scale, and showing what was most significant to the artist and his patron, the key element in
this frame is the pot of carnations. These seem to be just-cut border or garden carnations. Often called ‘strewn’, as if the page were covered with freshly picked flowers ready to be put in a bowl, this border style is characterized by decoration in which a rectilinear border enclosing the text and main miniature contains highly realistic but un-organized twigs, vines or branches, fruits, flowers, and insects drawn with great exactness, in what the art historian Robert Calkins (1989: 4) called ‘bravura exercises in illusionism’. Indeed, such borders became so much a part of Netherlandish culture that Joos van Cleve (1485–1541) in his ‘Virgin and Child’ panel painting now in the Metropolitan Museum
of Art, New York, shows Mary reading a manuscript *horae* where an elaborate strewn border decorates the page.

A similar page (see Figure 2) from the *horae* of Cardinal Albrecht of Brandenburg (1490–1545) was painted about 1530 by the famous Flemish artist Simon Bening, himself a member of the Ghent and Bruges civic elites, Dean of the St John’s Artists’ Guild and a bourgeois artisan who painted his self portrait in the style of the Italian urban patriciate. Bening through his wealth and abilities was a mingler with aristocrats and the civic elites and a very astute student of the tastes of those aspiring to nobility, in short, an identity former. With respect to the manuscript’s commissioner we have the carnation not
associated so much with a man of action and political power, the courtier Engelbert, but
with a rather more cultured university-educated humanist and friend of Erasmus, with
important ties to the Fugger financial family. In 1518, Albrecht, when only 28 years old,
was made a cardinal. To pay for some of the costs of his elevation he borrowed a very
large sum from Jakob Fugger and obtained permission from Leo X, the almost recipient
of Dürer’s rhinoceros, to sell indulgences in his diocese to pay back his debt (Biermann,
1975). Painted on the page’s border is another pot, this time holding a complete carna-
tion plant.

Though both pots of flowers are very realistically done, they are on such an unusual
scale as to seem as large as the page. In both borders, the painters are clearly celebrating
the carnation’s rarity, novelty, and costliness, but unlike comparable scenes of potted or
vase-held tulips in the 17th-century Low Countries, where we have a considerable body
of contemporary writing as a context, it is difficult to infer a precise social significan-
cence from the presence of the carnations and how they were intended to enhance Engelbert
and Albrecht’s religious emotions by more purely aesthetic and social experiences.

By their scale and domination of the borders the flowers just discussed immediately
call our attention away from the books’ intended devotional purpose and place it some-
where else. But where? What are these borders saying and to whom are they saying it?
What is their narrative? How do they fit into the larger picture of European consumerism,
visual cultural exchange and consequent identity formation of the newly rich of the late
Middle Ages? How do they relate, for example to Pierre Bourdieu’s (1984) idea that
consumption of goods, particularly the way it shows a certain taste in the process, helps
to differentiate a higher class group from a lower, and both formulates and expresses an
identity of Italianate magnificence and splendor among these Flemish urban elites (see
also Bourdieu, 1993; Goldthwaite, 1995; and Perry, 2001).

Certainly these representations of carnations in such a privileged position illustrate
Smith and Findlen’s (2002: 8) view of the way that

naturalistic representation, appearing first in northern Italy and then in Flanders … [in the
middle] of the fifteenth century … became a fashion … [deriving] from the forced integration
of French court culture and the indigenous urban artisanal style of the rich trading cities of the
Lowlands. Naturalistic images … became sought-after objects of patronage and commerce
among European nobility and wealthy burghers … generating a new sense of the natural world.

The answers to the questions just asked may be found through a close study of the con-
tent and contexts of these popular floral images, a study from which we can create a
narrative that can do cultural work.

Thus, I suggest that the cultivation of these exotic and fashionable plants in private
gardens attached to town houses in real life and their depiction in illusionistic manuscript
borders in large measure were intended to forge and assert a class identity of collecting
and displaying exotic naturalia that was coming to the Low Countries from observation
of the social status and behavior of the great Italian banking and financial families. For
floral interest in the Low Countries must be seen as part of the larger northern European
late Gothic preoccupation with Italianate Renaissance culture: Roman law, antique lit-

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and accessories such as domestic containers and dinner ware (see Morrall, 2009: 49) much in the way Chinese porcelain of the Wan Li period accompanied tulip mania in 17th-century still-life painting (Hochstrasser, 2007: 5–6, 126; see also Jörg, 1982; Spriggs, 1964–1966). The display of these material resources as horticultural commodities and, finally, their conspicuous consumption as part of personal magnificence and splendor as an ongoing process formed part of the ethos of the super-rich merchants and bankers who emulated their Italian counterparts.

As Christof Jeggle (2010: 37) has observed, Italian humanism was especially preoccupied with magnificientia as it pertained to luxury and consumption, and was manifested in the transfer and display of material goods, Dürer’s rhinoceros being one prime example. Such gifts and displays showed the world the magnificientia of the people consuming their own substance. Yet, an Aristotelian mean (with avarice at one end of the continuum and prodigality at the other) was considered an ideal. The Nichomachean Ethics was often invoked to regulate the relationship between a person’s cultural status and the amount spent. To know how to spend or display, was, to humanists, a mark of wisdom.6

Magnificientia was generally limited to the wealthy and had to do with architecture: churches, palazzi, and gardens, while the closely related quality of splendor involved spending on domestic furnishings, clothes, horses, dogs, hawks, and even flowers. An important person must be garbed and ‘accessorized’ importantly to maintain distinction. As Jeggle notes, ‘investments in splendor should demonstrate the taste and intellectual education of the owner to produce distinction’. Though these ideas were available to humanist readers in Latin, they were also popularly accessible in Nicole Oresme’s late 14th-century French translation of the Ethics (Menut, 1940: IV, 1–45, ii, 1–22; 1957: I, c. 7, 825). Luxury gardens (for example, in Genoa ‘more than one hundred villa palaces with gardens were built during the sixteenth century’) and the carnations in them then, served exactly to produce ‘distinction’ in the sense that Pierre Bourdieu used it and were quickly emulated by those aspiring to belong to the class of people to whom magnificientia and splendor were fitting (Magnani, 2005).

Moreover, luxury gardens and flowers, as Robert Rotenberg (2001: 147) has noted, are closely related to such identity formation through the consumption and display of commodities:

Garden art patronage is a special case of commodification, the social consumption of material objects. That garden art is a material object should generate little argument … When people literally consume something, a meal, for example, the material disappears and is transformed into energy and waste. When they socially consume something, the objects are often unchanged, and it is the consumers who are transformed into different kinds of people. Commodities, then, are objects onto which people project the power to alter the way the consumer is perceived by others. What makes garden art a special case of commodification is the expense in land, time, and treasure, not to mention the technical skills and botanical resources required to mount it. It is a commodity for the wealthy.7

Certain commodities such as costly or exotic flowers in the late Middle Ages were desirable because they were acquired with considerable difficulty, or came from another country or region that in some way was believed to have a higher status, especially economically and culturally, than that of the consumers; they had a certain type of ‘cultural
capital’ and gave ‘distinction’. Indeed, possession and display of such flowers not only conferred this higher status on the new owners but also confirmed their connoisseurship. So the narrative of late medieval commodities (Riello, 2009: 24; see also Brown, 2001) is largely one of Eastern and Western cultural exchange with high-status objects coming from East to West, especially the naturalia (such as Dürer’s rhinoceros) and artificialia so beloved of humanist collectors (Egmond, 2010). Thus, flowers and gardens in the late Middle Ages belong to this history of consumerism, commodification, and visual and actual cultural exchange. They cannot, of course, still exist, but their representations such as those filling the page borders of Flemish manuscripts came to have the status of these objects themselves.

The containers

Among the fashions involved in showing domestic ‘splendor’ are some brought on by 15th-century technological advances in the production of Italian glassware and ceramics, associated with the rise in the number of courses and individual dishes served at the banquets of the Italian mercantile and financial elites. Some forms of this glassware and ceramic became the containers for high-status flowers in late medieval art, especially carnations.

The carnations’ containers in the manuscript miniatures are of interest here, for they are objects of material culture and consumerism as much as the carnations themselves, and were clearly intended to form part of an ensemble with the flowers in them. The pots shown in these two images not only illustrate the Netherlandish vogue for greenhouse-raised carnations but also the contemporary taste for Italian or Italian-seeming highly decorated or aesthetically pleasing ceramics and glass which were having a great impact on northern European consumer markets. Thus, the ceramic and glass containers for the carnations reflecting certain changes in the dining and drinking habits of Italian and then later northern European elites conveyed an Italianate chic to the Mediterranean plants they held. The plants in their containers, then, show the intersection of several technologies and fashions with consumer Commodities at the same historical moment. Since both plant and container were high-status objects, they were closely interrelated and dependent on each other to broadcast the garden owner’s taste, magnificence, and identity as someone at the leading edge of horticultural fashion.

The Engelbert of Nassau border shows the flowers in a translucent glass container newly and sweepingly fashionable in northern Europe and called by glass historians Venetian cristallo or ripple glass from its origins in the Italian glass capital of Murano. This was typically a type of rock crystal without visible impurities developed about 1450 (Hess and Husband, 1997: 17, 1475–150084. DK.333. Figure 17b, and p. 78). That such glass containers were considered of great aesthetic significance and were highly prized is clear from their depiction in works of late medieval art showing noble owners and donors in scenes honoring the Virgin and Child or the Crucifixion, as in the Vienna Hours of Mary of Burgundy in the scenes of Mary of Burgundy (Pächt, 1948). Moreover, among other economic and aesthetic factors were that for the wealthy the taste for eating and drinking from gold and silver plates and goblets had changed. For example, cristallo began to replace metal drinking ware, allowing the color of expensive wine
to be clearly visible at the table, thus emphasizing to the guests their host’s personal ‘splendor’.

The Albrecht of Brandenburg horae’s carnation plant rests in an equally fashionable container, this time of earthenware. As with the cristallo just mentioned, the pot is also originally of Italian origin, made in a decorated ceramic style called majolica. By the 1350s, technological changes in ceramic manufacture led to the development of earthenware covered with a tin glaze that turned a brilliant white after firing. Metal oxides supplied colored decoration on this surface, particularly a vivid cobalt blue, as shown in the carnations’ container. By the mid 15th century, majolica was a form of high art widely exported from Italy to northern Europe. It became so fashionable that before long Low Country artisans, especially in Antwerp, reproduced it (Goldthwaite, 1989).11

Most often featured as flower containers in the borders of Netherlandish manuscript miniatures are large cylindrical or globe-shaped jars for holding the ingredients of medicines and the medicines themselves, called alborelli or ‘little trees’ from their resemblance to the bamboo joint containers in which pharmaceuticals were shipped from the eastern Mediterranean to Europe (Drey, 1978).

Such majolica alborelli are often paired with cristallo glass as marks of high fashion luxury in panel and manuscript paintings, affirming the status and refined taste of patrons. For example, containers of both materials side by side hold flowers in the center panel of the triptych by Hugo van der Goes called the Portinari Altarpiece, c. 1475. They are on display as if they were the most priceless of objects (Koch, 1984).

As Julia Poole (1997: 6) notes, ‘the growth of demand for [majolica] can be seen as part of a general wave of acquisitiveness, which gradually filled great palazzi … in Italian cities with works of art and furnishings’ (see also Goldthwaite, 1995: 19, 20, 234). And by the 1480s, the period in which these carnation-filled borders became common, the increased demand for majolica at lower social levels became widespread throughout northern Europe. To these considerations must be added the widening impact of the new Italianate fashion for the proliferation of courses and dishes where a typical banquet could involve as many as 150 plates and 50 bowls. Soon these changes in taste introduced the servizio of multiple examples of tableware and the credenza for supporting and housing the service, as well as the rise in production of recipe books to provide cooks with the contents of the many dishes (Goldthwaite, 1989: 20–23). Small wonder then that Simon Bening and his workshop idealized majolica as a perfect container material for the profusion of carnations coming into vogue in the houses of their artistic patrons in Flanders. As Julie Hochstrasser (2007: 127) stated so insightfully about the Low Country rage for Wan Li porcelain a century later, the appearance of majolica ‘came at a favorable moment: the quickly growing group of capital-wealthy burgers, who wanted and could afford a certain measure of luxury, ensured a market … even though it was rather expensive’ (Hochstrasser 2007: 127).12

The flowers

Gardeners will recognize the beautiful red carnations in cristallo and majolica containers shown in the borders of these two prayer books as Dianthus caryophyllus or five-petalled border carnations (see Elliott, 2001:17, 57; Harvey, 1976: 42, 1978). They were
Mediterranean exports, likely from Turkey brought westward through the military campaigns of Sultan Mehmed II, or from Persia (Harvey, 1976: 42, 1978). Probably, they came to Europe in the later 14th century, possibly as seeds carried by members of the Sultan’s entourage, or perhaps through commercial channels: trade between the Ottomans and Italy, southern France, and the Netherlands. This plant was thus a late cultivar and is not found in northern Europe until roughly the period in which these books of hours were painted, c. 1460–1470.

At some point, moreover, by the 1440s, according to Albert Lecoy de la Marche, the most knowledgeable student of King René of Anjou’s estate expenditures, it appears that René, who was a prototypical collector of naturalia such as lions and simians in his several residences in Provence and Anjou, and an ardent gardener, had an important role in collecting and propagating carnations in Provence and in their move northward in France and soon to the Low Countries (Lecoy de la Marche, 1875: 2, 485).¹³

These flowers, then, are not just in pots with a practical function but in those that project a clear sense of status. Thus, the ensemble of flower and container is meant to be immediately recognized and admired, creating a cultural narrative about the garden owner. In short, both flower and container confer status on the person who can grow the plant and own the pot. They are in effect symbols of the owner’s power over nature in a climate not conducive to the raising of a Mediterranean plant requiring full sun.

Much less is known about northern European carnation culture in the 15th and 16th centuries than in the 17th. But it is possible to draw some inferences from this plant’s better-documented cultural importance in the early modern period. Elizabeth Hyde (2005: 63) has called attention to various books composed in the 1650s devoted entirely to the culture of Dianthus caryophyllus, noting, for example that ‘Carnations … were the subject of the earliest treatise written in French about a single species, Louis Boulanger’s Jardinage des oeillets (1647).’ Carnations, moreover, were objects in the visual culture of ‘curious florists’ well into the age of print, appearing in albums of plants hand painted on vellum to reproduce the character of the late medieval manuscripts that form the subject of this article (Lack, 2001).

Let us now examine our third image of Dianthus caryophyllus from a similar devotional book, the Huth Hours¹⁴ that more directly points to the identity-assertion of the patron and also wittily illustrates some of the technical aspects of carnation culture in the last decade of the 15th century (see Figure 3). At the bottom margin of the page is depicted a peasant gardener and his wife. The gardeners wheel an enormous carnation plant in a utilitarian wicker container from the green house or hothouse to the garden of their employer, though this location is not shown. Not only is the potted plant many times taller than the laborers and nearly as big around as the man, but sprigs with buds drape with a heavy weight over the couple’s shoulders. A new feature is now added to the carnation’s cultural context and narrative. Its mobility and means of transportation to the luxury garden for display involve visible human labor, a feature that becomes typical in the horticultural scenes in the books of interest here. As the liturgical and calendar period of the miniature is early spring, it is clear that the plants must have wintered indoors in glass pots to absorb sun or in soil heated by the decomposing subsurface manure mentioned earlier.

The plant – in motion, as it were – is not to be admired only as a grace to the book’s borders, but it clearly also has a life outside the book, destined for the owner’s garden...
projected as a cultural site of admiration by townspeople. The page of the *Huth Hours* depicting the transport of carnations not only affirms the owner’s worth, it also ties the flower with its relative cost in human labor for its growth and for its mobility to domestic socio-cultural practices.

Undoubtedly these gardens adjacent to the town houses, connected to them by drawbridges or walkways, as we will see in the images that conclude this article, must have

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**Figure 3.** King David, male and female gardeners transport potted carnations. *Huth Hours*, Simon Marmion Workshop, London, British Library MS Additional 38126, folio 110, 1480-1500. Courtesy The British Library.
been emotionally and sensorily satisfying to their owners. As Christopher Tilley (2006: 316) observes, the ‘visual appearance and color of the garden was of primary significance … because you could see the garden from inside the house, and at all times and seasons’, and several miniatures of such luxury gardens show them in close proximity to their owners’ mansions, where they can be observed through windows at all times of the day.

The image from the *Huth Hours* further develops the theme of identity in the emerging narrative about this object. Here we have gender as well as class inequality, for the woman, not the man, is pushing the wheelbarrow and doing the bulk of the work. She is, in effect, as much subservient to the man as the couple is subservient to the book’s invisible owners and patrons. The image in the lower margin of the page, then, is not merely one of laborers comically pushing a burden, it also shows the proper relationship by late medieval standards, of gender and social class. For the gardener couple does the bidding of those elites who have caused the carnations to be grown in a hot house as a symbol of their social status and connoisseurship, and the scene expresses their identity as wielders of economic power and exhibitors of the rarified taste of such connoisseurship.

So far, the owners of these three books have been absent, only inferred, not glimpsed. We see these beautiful flowers, obviously important by their scale for their rarity of cultivation, their Italianate containers’ social status, and the laborious process of displaying them for townspeople to admire. But we do not yet know precisely what the flowers’ role might be in the lives of the people who enjoy them.

**Gardens and late medieval consumption**

Since in these manuscript miniatures the pots are usually shown trundled out to the owner’s gardens in the spring, let us look at some of these smaller private luxury gardens for help in contextualization. Such gardens are, perhaps, even muter as objects than medieval manufactured goods like majolica *alborelli*. In most cases they no longer exist. They are largely known through contemporary representations and descriptions in medieval tapestry, manuscript and panel painting, and romances. Large-scale examples have left more of an evidentiary mark; one thinks here of Hesdin, the 2200 acre park and luxury gardens Count Robert II of Artois constructed in 1288 largely as an affirmation of his status (Farmer, 2013), and, of course, the much later gardens of Versailles constructed under Kings Louis XIII through XV as certainly the most famous and well documented of luxury gardens. Though Erik de Jong (2007: 54) is speaking of the vast and elaborate gardens at Versailles, his comments can apply to some degree to the more modest private luxury gardens of Antwerp, Ghent, and Bruges, which are shown in the manuscript miniatures of interest here. De Jong observes that:

... we must read gardens on different levels, not only as constructs of art and nature embodying intentions of design, but also as social spaces. Even small details may reveal instructive worlds that speak of the complex fabric the garden represents.

The rapidly changing status of nobles and bourgeois in northern Europe in the 15th century had much to do with the creation of these manor and town houses, and their gardens and the specimen plants that formed just such ‘small details’. As Florike Egmond (2010: 59) noted, these gardens and their aspiring owners ‘special plants [such as carnations] functioned as
status symbols just like precious horses, jewels, a castle, clothes, works of art, or a library’. As the nobles de robe offering cash and bureaucratic skills to French monarchs came increasingly to replace or compete for power and status with the nobles de l’espée, the ancient landed aristocracy, they did so largely by buying up country estates with hereditary titles by which they could ennoble themselves (Hyde, 2005: xiii–xiv). In cities, this process often took the form of building mansions and creating smaller luxury gardens in which to show off high-status plants such as carnations. These urban ‘manors’ served precisely to distance their owners culturally and geographically from the old feudal and rural nobility. Thus, in the Burgundian dominated Low Countries, as in France, the luxury gardens of town houses quickly became marks of fashion and status among the upper bourgeoisie, especially among those with humanist inclinations (Morford, 1987; see also Vandewiele, 1993).

In the mid-15th century when this process of ‘ennobilization’ was at its height, information on gardens and agriculture was a largely Italian commodity and aspiring merchants and bankers looked to that country for guidance because of the fabled manor houses and gardens of ancient Rome. Thus, the European private luxury garden took on the cachet of Roman antiquity and was generally founded on Roman precepts. So the history of this object – or more precisely the information necessary to recreate it in northern Europe – is again that of an Italian export.

The late medieval luxury garden in which carnations were set out, and the one most commonly depicted in the Flemish illuminated books we have been examining, was about an acre in extent with a primarily square or rectangular layout; it was enclosed by wattle or latticework wooden fencing or a hawthorn hedge. As De Buysscher and De Backer (1993) note in their study of garden design in the Low Countries, these new gardens contained a number of Roman elements. Geometrically positioned plots, apparently necessary to the growing of carnations, often slightly raised, were broken up by intersecting pathways; this style continued as late as 1700 as shown in a painting of a very symmetrical garden of the Dutch burgher Gerard de Rijp with carnations in tall standards in raised beds exactly as they were in the 15th-century miniatures of interest here.16 On elevated bench-like embankments (Paul, 1985) were displayed moveable containers of non-winter hardy plants. Often, a central turfed area featured an elaborate late Gothic fountain in a small pool (Miller, 1986; see Figure 4). In a miniature from the romance Regnault de Montauban is an older style fully-walled ‘love’ garden adjacent to such a townhouse; a courting couple leans against such raised embankments on which sits a majolica pot of carnations held up by a wire or cane standard, perhaps the earliest such depiction of Dianthus in the West, as the picture was painted about 1461–1462.17

Such gardens were constructed according to rules set out in a medieval agricultural and gardening manual written to give the newly rich an idea of how to create the proper sort of garden. As mentioned earlier, Pietro Crescenzi’s Ruralium Commodorum Liber (1305)18 forms part of the volatile nexus of European commodification, consumerism, and cultural exchange, bringing to Flanders, for example, the newest Italian thinking on manor house and garden construction (Calkins, 1986).

Crescenzi, 1230–1320, was a wealthy lawyer who wrote his treatise in retirement on his country estate for a class of new landowners. There are over 140 manuscripts extant, and it remained the single most important book on agriculture for several centuries, lying behind such Renaissance vernacular manuals so insightfully discussed by Chandra Mukerji (2002)
as that of the physician Jean Liébault’s (1535–1596) *Maison Rustique* (1570) showing the role of physicians and apothecaries in the new garden culture. She notes their focus on humanist sensibilities, a rational approach to classification and a practical view of husbandry involving mapping, accounting, and the use of the measuring chain.

Of particular interest in the *Ruralium Commodorum, or Le Rustican* are the rubrics for Book VIII on private gardens defining the types of gardens to be treated and the income levels of the persons for whom they will be made. For example, Chapter 2: ‘Concerning large and moderate gardens’ ties these to ‘persons of moderate means’,
while the rubric for Chapter 3 speaks of ‘gardens of kings and other illustrious and wealthy lords’ (Bauman, 2002: 100, 101).

These rubrics for the individual chapters of Book VIII offer us an important sense of the author’s intention, of the audience for whom he was writing, and especially of this audience’s cultural values, giving us some idea of what the user hoped to achieve from studying the book and eventually creating a garden based on its principles. The exercise of power over the environment and its link to social class are rather nakedly presented in Chapter 3 for example: ‘Because such persons by reason of their riches and power are able to satisfy their own will in all earthly things … almost nothing is wanted by them except the labor of setting workers to task’ (p. 102).

Clearly aiming at the class aspirations of the new pleasure gardeners, as can be seen from the quotations just given, Crescenzi shows at the top of the hierarchy the very wealthy who can have gardens just like Hesdin if they follow his suggestions. Thus, in our narrative of medieval private gardens, their association with ostentatious wealth and power emerges clearly. Lower on the social scale, people who read Chapter 2 were sure to aspire to the status of the garden owners mentioned in Chapter 3.

How did late medieval readers respond to Crescenzi’s prescriptions for pleasure gardens? One possible way to answer this question is by examining some of the miniatures in illuminated manuscripts of this work, commissioned and owned by the very sorts of people the book was intended to instruct, serving as a manual for the upwardly mobile.

Many 15th-century Crescenzi manuscripts were illustrated with pictures of private gardens and they depicted – as interpreted by the painters – the social behavior that the owners imagined should occur in them. Their miniatures accordingly privileged the display of class distinction and of the garden owner’s splendor and social identity. It is immediately evident from some of the miniatures illustrating the work that these express the values of the manuscripts’ owners and commissioners as these were interpreted by the artists (see Figure 5). In a scene of an older style walled garden from a princely Crescenzi manuscript now in the British Library, there is a pot of carnations on the ground in front of the figure grouping to the left rear. (Though of course Crescenzi did not mention carnations among ideal flowers to plant, as they were not known in Italy in his time, the later miniaturists who illustrated his works did generally show them.)

The artist shows the sage and author Piero Crescenzi, dressed in a long juridical style of gown favored by older members of the late medieval urban patriciate, advising a rather newly minted manor owner in fur-trimmed robe on horticultural subjects. A purse hangs prominently at this owner’s belt, highlighting the source of his power and pointing to his merchant status and membership in the noble de robe class. Crescenzi and his auditor’s size and posture, moreover, clearly distinguish them from the female gardener and assert the owner’s power over her as she bends as a sign of servility.

**Carnations in a garden setting**

The late 15th- and early 16th-century illuminated devotional books we saw at the opening of this article with potted or mobile carnations in their borders were very probably responding in tone and subject matter to the illustrations of Crescenzi’s agricultural treatise made roughly half a century earlier, largely by Flemish painters. Crescenzi’s work
created a visual culture$^{20}$ and taste for such Mediterranean gardens and their contents. But the northern European artists who painted the gardens allowed their imaginations to play very broadly on Italianate and Arab elements in them, adding, for instance, pots of carnations where there had been none in Crescenzi’s text. As Perrine Mane acutely observed of these artists, in order visually to transcribe the author’s ideas, they sometimes go well beyond or interpret the text (Mane, 1985).$^{21}$ The artist Simon Bening and his workshop, which certainly knew Crescenzi miniatures, sought to show the garden owners’ magnificence and power over nature and over their laborers by adapting Crescenzi’s secular Italianate garden scenes to a Flemish devotional setting.

As we saw earlier, Simon Bening, who died in 1561, was an artist whose commissions were largely for very wealthy patrons whose values he extolled – and to some degree created – in the work he did for them. Presumably, these values and aspirations were also his own, and he saw himself as a member of the urban artisan elite in terms of personal wealth, of civic position, and of constant contact with aristocratic patrons. It is not surprising then, that Bening quickly recognized from the Crescenzi manuscripts that to cultivate exotic plants successfully and to display them both indoors and outdoors was a sign of wealth and a mark of fashionable Italianate taste. Thus, he extolled in the miniatures of his patrons’ books of hours these plants and their culture, placing idealized

Figure 5. Walled garden with female owners, male owner, and pot of carnations at middle left. Pietro Crescenzi, Le Rustican, London, British Library MS Additional 19720, folio 214r, late 15th century. Courtesy The British Library.
Italianate scenes of the manuscripts’ commissioners in positions of power over the plants and their caretakers, and using these plants to concretely express the patrons’ identities.

Moreover, the Simon Bening workshop was perhaps the most responsive of all the late medieval Flemish illuminators’ ateliers to the visual culture of Italian art, and the new trends of taste in Italian architecture, domestic interiors, and male fashion, in effect recognizing these things as exportable commodities their customers would like to see depicted as features of their own northern European homes and lives. Thus, his borders are tours de force in the rendition of realistic space and of the display of the opulence and high fashion of what was presumably the interiors and exteriors, even if somewhat idealized, of their patrons’ homes.

Miniatures in a breviary and several other Bening horae indicate the importance of luxury gardens as material objects advised for the wealthy, and offer a novel social repurposing in depicting them. For the calendar pages showing the 12 labors of the months in the many devotional books produced in Ghent and Bruges were reworked to have a new civic and social context (Henisch, 1999). The artist simply substitutes Crescenzi’s scene of the owner and his wife overseeing the creation of his garden and the management of his workers for the commonly shown traditional task of peasants cutting wood in March or April seasonal labors, either eliminating the traditional task altogether or displacing it by showing only a few fallen logs and branches around the perimeter or in the background of the garden, and putting the focus to greater or lesser degree not on woodcutting but on the power and splendor of the garden owners and on the garden as a work in progress.

Though four of Bening’s devotional books use these calendar scenes for the preparation of the elite notable’s garden, two miniatures will suffice here to show how Bening created a fantasy of status for the book’s owner. In the March labor scene from a horae in Munich (see Figure 6), elements of the traditional woodcutting labor of the book’s calendar vie with the Crescenzi-style garden preparation scene. We see in the near background a magnificent manor house in front of which is a small fenced private garden. In the left foreground the owners form a power group with the woman predominant in a new role. These power groups are in all cases removed from any consciousness of the laborers (except, of course, to give orders and receive fealty). The laborer seems to be felling a tree that recalls the original labor of this season. Inside the garden space a female servant plants freshly hardened off carnations from pots before her on the ground and the workman doffs his hat to the mistress.

In a breviary from the Bening workshop made for a wealthy Portuguese owner living in Antwerp – perhaps one who saw the actual arrival of King Manuel’s rhinoceros – the woodcutting task is virtually absent (see Figure 7). Laborers work to prepare a small private garden adjacent to a manor house. At rear the female owner with a small dog in her arms symbolizes the leisure and affluence of the class to which she aspires. In the right foreground of the scene her husband in furred robe, a member of the merchant elite, actually stands inside the garden space showing his connoisseurship by directing a servant digging. At right a kneeling female gardener prepares beds along the wall and presumably will soon plant specimens from a pot of carnations, apparently just brought out from a greenhouse for hardening off, that rests on the wall just to the right of the gardener’s head in front of the owner, to whom one of the workmen seems to doff his hat.

As Elizabeth Hyde (2005) has clearly shown, the new gardens of the wealthy were an important site for the observation of changing gender roles in the early modern period.
The miniatures just discussed push this change backward several generations. While men had largely dominated garden scenes in medieval herbals and other representations in their roles as monks, physicians, or apothecaries ‘officially’ knowledgeable in plants, Bening’s miniatures place women as garden creators and fanciers in a new and privileged position. Now the owner’s wife is not the passive lady in a love garden as in the *Reynaud de Montauban* scene, or the worker bee, but the new owner–collector–fancier. Hyde points out that ‘women were able to exploit their deeply rooted relationship to nature and

**Figure 6.** March labor, owners watch laborers. Pot of carnations on ground. Simon Bening, *Horae*, Bayerische Staatsbibliothek München, Clm 23638, folio 4v, 1510–1515. Courtesy Bayerische Staatsbibliothek München.
the plant world in order to carve a niche for themselves in the burgeoning world of science and learning’, and these female garden owners look forward to that new role in the Early Modern era (pp. xvi–xvii.).

Conclusions

As we have seen, the 15th and 16th centuries in northern Europe were a period of considerable social and psychological trial for both the nobles de l’espée who wished to retain and justify their privileges, and for the nobles de robe who wished to displace
them, using their mercantile and banking wealth to do so. Men like the Benings were everywhere striving to acquire many of these privileges. Thus, Italianate and humanist consumer possessions that reflected current high-status fashions, such as the display of plants in private gardens attached to town houses, and ownership of illuminated books with illusionistic borders, were means to show class-consciousness and to forge class identity among the native ‘late Gothic elites’ who saw the ‘Italianate’ as the current most fashionable identity. It is hard to escape the impression that the Bening atelier with its intensely urban and status-conscious artisans sought to offer wish fulfillment for the patrons of the miniatures we have examined and to provide them with magnificent and assertable identities through the depiction of luxury gardens and the carnations planted in them.

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Notes
2. See also Mukerji (2002: 183) for the ‘alchemical’ uses of manure below the soil for heating of greenhouses.
4. Daston (2004: 224) speaks of the ‘triumph of all artistic naturalism, the successful deception of the senses’.
10. This book is now Vienna, Österrichische Nationalbibliothek MS 1857. These containers appear on folios 14v and 43v of the manuscript and are reproduced by Pächt (1948) as Figures 12 and 13.
11. For the intersection of changes in dining and economic fluctuations in the Italian ceramic market with trends of taste among northern European elites, see also Sani (2012) and Veeckman (2003).
12. Meadow (2002: 182) speaks of the collectors of artificialia as including ‘majolica pottery, and Venetian glass’ in their cabinets.
13. See also Lecoy de la Marche (1873) from which, presumably, his claims for René’s role are drawn.
14. The Huth Hours of 1480–1490 is now in London, British Library MS Additional 38126. The carnation miniature is on folio 110. For the artist, see Hindman (1977).
15. See also the superb study of large-scale English parks by Twomey (2013).
16. This painting is published by Laird (2002: 234) as Figure 10.
17. This miniature from Paris, Bibliothèque de l’Arsenal MS 5072, réserve, folio 71v, depicts Maugis and Oriande in a walled love garden with carnations in a majolica pot.
18. On Crescenzi, see also Darnall (1972) and Mane (1985).
19. See also Egmond (2008), Goldgar (2010), and Reeds (1991: 29) on the role of apothecaries rather more than physicians in the transmission of botanical lore.
20. ‘Visual culture’ is a dominant concept in Baxandall (1972). See more recently, Cardarelli et al. (2012).
23. This manuscript is Munich, Bavarian State Library MS Cod. Lat. 23638, c. 1510–1515.
24. March labor, Breviary, Antwerp, Museum Mayer van den Bergh MS MMB.0618 Breviarium Mayer van den Bergh, folio 2 verso. See on this manuscript, Dekeyzer (2004).

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