

Prof. John H. Munro
Department of Economics
University of Toronto

munro5@chass.utoronto.ca
john.munro@utoronto.ca
<http://www.economics.utoronto.ca/munro5/>

Updated: 10 November 2011

STATISTICAL TABLES ON MEDIEVAL AND EARLY-MODERN TEXTILES

for England, the Low Countries, and Italy

ca. 1280 - ca. 1580

in PDF format only

See the separate file on textile tables for medieval and early modern Italy

Table 1:

**English Wool and Broadcloth Exports:
by Hanseatic and Denizen Merchants
From 1281-85 to 1546-50**

Years quinquennial means	Wool Exports in Sacks (a)	Broadcloth Exports by the Hanse	Broadcloth Exports by Denizens	Broadcloth Exports by Other Aliens	Total Broadcloth Exports	Hanse Exports as percent of the total	Denizen Exports as percent of the total	Total Wool and Cloth Exports as Cloths
1281-85	26,897.20							116,545.57
1286-90	26,040.80							112,834.79
1291-95	27,919.20							120,973.89
1296-00	23,041.20							99,837.52
1301-05	32,344.00							140,146.55
1306-10	39,016.20							169,057.19
1311-15	35,328.60							153,078.82
1316-20	26,084.60							113,024.57
1321-25	25,315.40							109,691.63
1326-30	24,997.60							108,314.60
1331-35	33,645.60							145,786.38
1336-40	20,524.80							88,933.96
1341-45	18,075.58							78,321.47
1346-50	27,183.13		2,246.00	309.67	2,555.67	0.00%	87.88%	120,340.15
1351-55	30,750.40		1,586.20	335.00	1,921.20	0.00%	82.56%	135,162.68
1356-60	32,666.40	173.60	7,376.00	1,511.40	9,061.00	1.92%	81.40%	150,604.51
1361-65	30,129.20	1,019.80	9,099.40	1,598.00	11,717.20	8.70%	77.66%	142,267.02
1366-70	26,451.80	1,309.60	10,977.60	2,240.00	14,527.20	9.01%	75.57%	129,142.85
1371-75	25,867.80	1,240.21	9,101.50	1,869.05	12,211.40	10.16%	74.53%	124,296.58
1376-80	20,470.20	1,383.22	9,672.97	2,585.85	13,642.60	10.14%	70.90%	102,339.98
1381-85	17,517.40	2,799.80	13,949.00	5,493.20	22,242.00	12.59%	62.71%	98,144.89
1386-90	19,312.00	3,125.00	17,192.40	5,292.60	25,610.00	12.20%	67.13%	109,288.90
1391-95	18,513.80	6,345.60	22,974.40	10,205.20	39,525.20	16.05%	58.13%	119,745.50
1396-00	16,889.60	5,646.40	23,318.00	9,810.70	38,775.10	14.56%	60.14%	111,957.74
1401-05	12,904.20	6,548.40	19,450.40	8,570.80	34,569.60	18.94%	56.26%	90,483.50
1406-10	14,968.20	6,568.40	12,997.20	12,180.60	31,746.20	20.69%	40.94%	96,603.41
1411-15	13,593.20	4,980.00	12,284.40	9,919.00	27,183.40	18.32%	45.19%	86,082.74
1416-20	14,365.00	5,721.80	14,050.60	8,204.80	27,977.20	20.45%	50.22%	90,220.75
1421-25	14,245.20	6,934.60	21,180.20	12,159.80	40,274.60	17.22%	52.59%	101,999.05

Years quinquennial means	Wool Exports in Sacks (a)	Broadcloth Exports by the Hanse	Broadcloth Exports by Denizens	Broadcloth Exports by Other Aliens	Total Broadcloth Exports	Hanse Exports as percent of the total	Denizen Exports as percent of the total	Total Wool and Cloth Exports as Cloths
1426-30	13,358.60	5,303.80	20,333.80	14,768.00	40,405.60	13.13%	50.32%	98,288.41
1431-35	9,384.60	4,062.00	25,473.60	10,491.80	40,027.40	10.15%	63.64%	80,690.87
1436-40	5,378.80	9,145.20	22,863.60	15,063.20	47,072.00	19.43%	48.57%	70,378.34
1441-45	8,029.40	11,335.80	28,163.20	16,956.80	56,455.80	20.08%	49.89%	91,247.19
1446-50	9,765.20	9,301.20	25,286.20	11,259.40	45,846.80	20.29%	55.15%	88,159.41
1451-55	8,790.80	8,214.00	20,784.60	7,701.40	36,700.00	22.38%	56.63%	74,790.54
1456-60	6,386.40	10,016.60	18,910.80	7,561.60	36,489.00	27.45%	51.83%	64,161.27
1461-65	6,386.00	8,584.40	16,045.80	4,371.40	29,001.60	29.60%	55.33%	56,672.14
1466-70	9,293.60	5,807.00	21,254.80	10,385.60	37,447.40	15.51%	56.76%	77,716.57
1471-75	8,453.40	3,414.80	20,705.40	12,417.00	36,537.20	9.35%	56.67%	73,165.78
1476-80	8,736.00	8,226.20	32,185.00	10,029.60	50,440.80	16.31%	63.81%	88,293.89
1481-85	7,621.40	13,438.80	29,191.00	11,568.00	54,197.80	24.80%	53.86%	87,221.33
1486-90	9,751.00	13,740.20	25,892.40	10,372.60	50,005.20	27.48%	51.78%	92,256.28
1491-95	6,755.20	15,100.00	29,512.60	12,332.00	56,944.60	26.52%	51.83%	86,214.88
1496-00	8,937.20	17,175.40	35,667.60	9,740.40	62,583.40	27.44%	56.99%	101,308.29
1501-05	7,806.80	17,637.80	44,802.60	14,830.40	77,270.80	22.83%	57.98%	111,097.66
1506-10	7,326.20	16,983.60	46,832.20	20,986.80	84,802.60	20.03%	55.22%	116,547.02
1511-15	7,087.20	21,620.60	49,110.00	15,861.40	86,592.00	24.97%	56.71%	117,300.84
1516-20	8,194.40	20,411.40	51,128.00	18,559.40	90,098.80	22.65%	56.75%	125,605.14
1521-25	5,131.60	18,456.80	48,675.40	15,136.60	82,268.80	22.43%	59.17%	104,504.02
1526-30	4,834.80	20,402.40	56,942.40	16,189.60	93,534.40	21.81%	60.88%	114,483.59
1531-35	3,005.20	24,274.20	53,965.60	15,847.00	94,086.80	25.80%	57.36%	107,108.33
1536-40	3,951.40	30,747.20	61,008.20	17,522.60	109,278.00	28.14%	55.83%	126,399.42
1541-45	4,576.00				118,055.60			137,883.41
1546-50					135,189.50			
1551-55					126,594.75			

a. one woolsack = 364.00 lb. = 165.45 kg. b. one woolsack = 4.333 broadcloths (24 by 1.75 yards)

Sources:

E.M. Carus Wilson and Olive Coleman, eds., *England's Export Trade, 1275-1547* (Oxford, 1963), pp. 36-119; A.R. Bridbury, *Medieval English Clothmaking: An Economic Survey* (London, 1982), Appendix F, pp. 118-22

Table 2

**Production Statistics for the Woollen Draperies
of the Southern Low Countries, 1316 - 20 to 1516-20
in quinquennial means**

Years	Ghent Drapery Farms A in £ groot Flemish	Ghent Drapery Farms B in £ groot Flemish	Ypres Drapery Farms in £ groot Flemish	Ypres: No of Stalls rented in Lakenhalle	Mechelen Drapery Farms in £ oude groot	Mechelen No. of Cloths Taxed by the Clergie- geld	Leuven: Drapery Farms £ assisegeld rate adjusted	Leuven: Drapery Farms £ oude groot actual	Leuven: Drapery Farms Rijngulden actual
1316-20	186.057	186.057			1,177.169				
1321-25	103.423	109.893			1,210.017				
1326-30	85.215	119.695			1,277.818				
1331-35	108.485	150.283			1,563.710				
1336-40	87.913	123.660			1,045.045				
1341-45	84.015	125.070			782.313				
1346-50	67.240	109.378			506.862		17,004.719	250.292	
1351-55	68.875	114.505			707.914		16,497.318	240.809	
1356-60	61.720	112.785			467.723		18,670.869	351.436	
1361-65	55.778	96.825			496.240		25,817.384	709.398	
1366-70	34.590	67.425			597.661		24,072.473	803.344	
1371-75	22.800	47.721			540.698		15,551.400	525.557	
1376-80	19.355	39.311			471.236		13,558.629	564.943	
1381-85	14.402	22.421			397.290		9,463.952	394.331	
1386-90	11.743	23.550			353.349		6,218.748	259.114	
1391-95	missing	missing			297.670		5,393.533	224.730	
1396-1400	missing	missing			300.804		4,091.020	169.338	
1401-05	5.885	15.433			270.285		3,306.440	135.072	2,252.999
1406-10	7.654	16.030	183.192	407.000	272.011		4,164.302	170.875	2,801.349
1411-15	7.309	15.498	266.902	426.000	275.450		3,482.166	143.177	2,374.656
1416-20	8.253	17.782	266.912	489.300	276.334		1,979.514	81.769	1,471.874
1421-25	8.623	20.619	265.633	410.000	357.119		1,426.882	58.932	989.317
1426-30	9.331	23.648	249.817	356.600	352.707				685.180
1431-35	7.267	22.314	235.327	319.400	220.532				567.118
1436-40	4.267	14.783	156.022	192.600	186.976				513.357
1441-45	4.418	14.431	176.453	182.400	190.881				344.486
1446-50	4.773	14.512	177.450	152.200	162.950				302.180
1451-55	3.454	10.899	151.017	97.000	140.627				277.769
1456-60	1.764	9.909	146.813	70.000	136.149				211.771
1461-65	1.304	11.144	93.427	63.800	154.518	2,126.670			213.642

Years	Ghent Drapery Farms A in £ groot Flemish	Ghent Drapery Farms B in £ groot Flemish	Ypres Drapery Farms in £ groot Flemish	Ypres: No of Stalls rented in Lakenhalle	Mechelen Drapery Farms in £ oude groot	Mechelen No. of Cloths Taxed by the Clergie- geld	Leuven: Drapery Farms £assisegeld rate adjusted	Leuven: Drapery Farms £ oude groot actual	Leuven: Drapery Farms Rijngulden actual
1466-70	1.878	14.518	93.643	70.600	162.739	1,983.010		257.438	
1471-75	2.760	30.600	81.987	77.800	185.386	1,410.000		286.892	
1476-80	1.857	27.646	66.285	40.800	225.443	2,500.000		268.322	
1481-85	1.755	29.625	69.377	24.900	235.745	2,388.000		451.771	
1486-90	0.429	22.068	108.864	8.400	258.107	2,324.000		998.364	
1491-95	0.190	21.533	102.951	0.000	212.673	2,068.000		458.636	
1496-1500	0.480	26.380	143.643	0.000	243.394	2,711.000		590.210	
1501-05	0.550	36.650			224.303	2,155.050			
1506-10	0.390	41.815			224.332	1,912.000			
1511-15	0.405	43.005			185.158	1,796.000			
1516-20	0.260	46.160			190.051	2,394.000			
1521-25					181.206	2,307.000			
1526-30					143.710	2,402.000			
1531-35					127.511	2,594.000			
1536-40					94.965	1,660.000			
1541-45					115.402	1,540.000			
1546-50					87.752	1,282.000			
1551-55					975.694	1,172.000			
1556-60					799.513	1,038.200			
1561-65					714.670				
1566-70					596.300				
1571-75					194.500				

Sources:

Ghent A: Total drapery excise farms; Ghent B: Excises for ‘Ramen en Nieuwe Huusgeld’ only: all from: Stadsarchief Gent, Stadsrekeningen, Reeks 400:4-43, 1335-1520; Algemeen Rijksarchief België, Rekenkamer, reg. nos. 38,635-72;

Ypres: Algemeen Rijksarchief België, Rekenkamer, reg. nos. 38,636-722.

Mechelen: Stadsarchief Mechelen, Stadsrekeningen, 1316-1550, Series I: nos. 3-225; Algemeen Rijksarchief, Rekenkamer, reg. nos. 41,219-85;

Leuven: Stedelijk Archief Leuven, Stadsrekeningen, 1345-1500, nos. 4986-5124;

Table 3.

**Cloth Production Indices for the Hondschoote Sayetterie and the
Leiden Woollen Drapery, in quinquennial means, 1376-80 to 1566-70**

Years	Hondschoote Sayetterie Tax Farm £ parisis	Says represented by tax farm 8d. per cloth	Hondschoote Cloth Sales: Exports of Says	Leiden: Woolfells Imported	Leiden: Outputs of Halve- Lakenen
1378-80	44.00	1,320.00			
1381-85	29.60	888.00			
1386-90	37.60	1,128.00			
1391-95	39.20	1,176.00			
1396-1400	50.00	1,500.00			
1401-05	54.80	1,644.00			
1406-10	78.00	2,340.00			
1411-15	85.60	2,568.00			
1416-20	117.60	3,528.00			
1421-25	152.80	4,584.00			
1426-30	165.80	4,974.00			
1431-35	172.00	5,160.00			
1436-40	176.00	5,280.00			
1441-45	180.00	5,400.00			
1446-50	278.00	8,340.00		171,393.00	
1451-55	345.60	10,368.00		288,911.40	
1456-60	388.00	11,640.00		308,069.80	
1461-65	404.00	12,120.00		297,906.00	
1466-70	435.20	13,056.00		286,951.50	14,745.00
1471-75	464.00	13,920.00		342,359.90	16,555.50
1476-80	424.00	12,720.00		409,500.12	24,198.50
1481-85	455.00	13,650.00		402,846.80	24,259.70
1486-90	488.70	14,661.00		240,073.45	21,289.00
1491-95	399.95	11,998.50		129,472.00	20,780.00
1496-1500	424.00	12,720.00		321,236.60	22,223.60
1501-05	588.00	17,640.00		290,307.40	25,148.20
1506-10	667.20	20,016.00		298,237.30	23,782.80
1511-15	757.60	22,728.00		324,643.20	24,673.20
1516-20	980.00	29,400.00		344,888.40	26,244.90
1521-25	1,071.60	32,148.00		190,610.60	24,334.60
1526-30	1,163.20	34,896.00	31,583.44	194,221.00	23,094.20

Years	Hondschoote Sayetterie Tax Farm £ parisis	Says represented by tax farm 8d. per cloth	Hondschoote Cloth Sales: Exports of Says	Leiden: Woolfells Imported	Leiden: Outputs of Halve- Lakenen
1531-35	1,452.80	43,584.00	41,184.50	168,948.00	17,257.60
1536-40	1,439.20	43,176.00	42,761.40	228,837.00	16,646.20
1541-45	1,580.80	47,424.00	44,547.60	190,428.81	14,971.00
1546-50	1,634.80	49,044.00	45,453.40		11,747.00
1551-55	2,228.80	66,864.00	57,387.40		
1556-60	2,472.40	74,172.00	67,026.20		
1561-65	2,946.40	88,392.00	89,699.60		
1566-70	2,987.20	89,616.00	93,057.20		

Sources:

Leiden: Nicolaas W. Posthumus, *Geschiedenis van de Leidsche lakenindustrie*, 3 vols. (The Hague, 1908-1939), Vol. I: *De Middeleeuwen, veertiende tot zestiende eeuw* (1908), pp. 370-425; Nicholas W. Posthumus, ed., *Bronnen tot de geschiedenis van de leidsche textielnijverheid, 1333-1795*, 3 vols. (The Hague, 1910-1922), Vol. II, 317-20;

Hondschoote: Émile Coornaert, *La draperie-sayetterie d'Hondschoote, XIVE-XVIIIe siècles* (Paris, 1930); calculated from Appendix IV, pp. 485-90.

Table 4. **Prices and Values of Ghent Woollen Cloths Purchased for the Civic Aldermen and for the Tournai Festival:**
In pounds groot of Flanders, with Cloth Price Indexes and the Flemish Commodity Basket Price Indexes
in quinquennial means, 1331-5 to 1566-70

Years	Schepenen	Dickedinnen	Flemish Price	Dickedinnen	Tournai Festival:	Tournai Festival
Ending (5 years)	Dickedinnen Large: in £ groot Flem	Price Index: 1451-75=100 £7.912	Index 1451-75=100 126.295d	Real Price Index 1451-75=100 Harmonic Means	Schepenen Dickedinnen Large: Tournai in £ groot Flem	Dickedinnen Price Index: 1451-75=100 £7.632
1331-35	2.747	34.712				
1336-40	2.788	35.235				
1341-45	3.512	44.387				
1346-50	2.874	36.326	50.571	68.676		
1351-55	3.749	47.378	60.646	77.362		
1356-60	4.330	54.723	87.540	62.287		
1361-65	4.857	61.389	94.425	64.858		
1366-70	5.377	67.956	107.401	63.066		
1371-75	5.333	67.395	115.222	58.578		
1376-80	6.890	87.078	111.662	76.628		
1381-85	7.500	94.787	119.193	83.846		
1386-90	7.192	90.890	124.719	72.096		
1391-95	5.538	69.991	88.510	79.077		
1396-00	5.759	72.783	89.796	81.054		
1401-05	5.856	74.009	88.531	83.105		
1406-10	5.843	73.851	105.261	69.632	5.800	76.000
1411-15	5.853	73.972	95.309	77.612	5.681	74.443
1416-20	6.077	76.798	107.381	71.409	5.590	73.248
1421-25	5.997	75.790	112.182	67.583	5.530	72.462
1426-30	6.047	76.419	117.773	64.910	5.490	71.935
1431-35	7.061	89.242	123.512	72.288	6.189	81.092
1436-40	7.182	90.763	140.166	65.055	6.764	88.631
1441-45	8.008	101.213	113.504	88.653	6.992	91.624
1446-50	7.719	97.558	109.984	88.543	6.762	88.611

Years	Schepenen	Dickedinnen	Flemish Price	Dickedinnen	Tournai	Tournai
Ending (5 years)	Dickedinnen Large: in £ groot Flem	Price Index: 1451-75=100 £7.912	Index 1451-75=100 126.295d	Real Price Index 1451-75=100 Harmonic Means	Festival: Schepenen Dickedinnen Large: Tournai in £ groot Flem	Festival Dickedinnen Price Index: 1451-75=100 £7.632
1451-55	6.828	86.296	100.902	84.594	6.350	83.207
1456-60	7.857	99.294	117.855	84.126	7.185	94.151
1461-65	8.000	101.107	88.705	113.980	7.885	103.324
1466-70	8.188	103.476	96.520	107.107	8.553	112.067
1471-75	8.690	109.827	96.017	114.312	8.185	107.251
1476-80	9.063	114.535	117.213	97.812	8.860	116.096
1481-85	10.998	138.991	156.853	86.244	10.275	134.638
1486-90	16.914	213.767	184.511	114.407	15.575	204.086
1491-95	14.367	181.571	144.981	124.509	12.025	157.569
1496-00	14.667	185.366	100.255	184.894	11.593	151.903
1501-05	14.667	185.366			11.770	154.227
1506-10	14.130	178.582			12.485	163.596
1511-15	13.000	164.298			13.000	170.344
1516-20	13.130	165.941			13.135	172.113
1521-25	13.225	167.142				
1526-30	13.595	171.818				
1531-35	13.775	174.093				
1536-40	13.950	176.305				
1541-45	13.820	174.662				
1546-50	16.900	213.588				
1551-55	20.300	256.558				
1556-60	20.933	264.562				
1561-65	26.050	329.228				
1566-70	28.000	353.873				

Sources

Ghent Cloth: Stadsarchief Gent, Stadsrekeningen, Reeks 400: vols. 1-58; Algemeen Rijksarchief België, Rekenkamer, reg. nos. 34,862.

Flemish Commodity Basket Price Index: John Munro, 'Wage Stickiness, Monetary Changes, and Real Incomes in Late-Medieval England and the Low Countries, 1300 - 1500: Did Money Matter?' *Research in Economic History*, 21 (2003), 185 - 297; and John Munro, 'Builders' Wages in Southern England and the Southern Low Countries, 1346 -1500: A Comparative Study of Trends in and Levels of Real Incomes', in Simonetta Caviococchi, ed., *L'Edilizia prima della rivoluzione industriale, secc. XIII-XVIII*, Atti delle "Settimana di Studi" e altri convegni, no. 36, Istituto

Internazionale di Storia Economica “Francesco Datini” (Florence, 2005), pp.1013-76.

Years	Tournai Dickedinnen	Strijpte Laken Schepenen	Strijpte Laken Schepenen	Real Price Index Strijpte Laken	Tournai Festival: Strijpte Laken	Tournai Strijpte Lakenen	Tournai Strijpte Lakenen
(5 years)	Real Price Index 1451-75=100 Harmonic Means	£ groot Flemish	Price Index 1451-75=100 £4.296	Schepenen 1451-75=100 Harmonic Means	in £ groot Flem	Price Index: 1451-75=100 £5.381	Real Price Index : 1451-75=100 Harmonic Means
1331-35		1.550	36.079				
1336-40							
1341-45							
1346-50		1.742	40.540				
1351-55		3.375	78.558	129.535			
1356-60		2.944	68.530	78.285			
1361-65		3.449	80.285	85.024			
1366-70		4.469	104.027	96.859			
1371-75		5.705	132.793	115.250			
1376-80		6.977	162.398	145.437			
1381-85		6.998	162.879	136.652			
1386-90							
1391-95		7.758	180.587	204.030			
1396-00							
1401-05							
1406-10	71.728	4.000	93.106	88.453	5.145	95.601	85.620
1411-15	78.198	4.065	94.610	99.266	4.805	89.287	93.640
1416-20	68.340	4.088	95.143	88.603	4.935	91.703	85.633
1421-25	64.489				4.871	90.511	80.587
1426-30	61.000	4.173	97.141	82.481	5.226	97.107	82.304
1431-35	65.565	4.398	102.359	82.874	5.433	100.948	81.728
1436-40	63.556	4.557	106.064	75.670	5.533	102.821	73.432
1441-45	80.675	4.621	107.557	94.760	5.661	105.191	92.570
1446-50	80.689	4.621	107.557	97.793	5.700	105.918	96.303
1451-55	81.718	4.621	107.557	106.595	5.635	104.711	103.632
1456-60	78.602	4.535	105.559	89.567	5.656	105.098	89.066
1461-65	115.787	4.100	95.434	107.585	5.207	96.751	109.134
1466-70	116.083	3.945	91.826	95.137	4.890	90.867	94.072
1471-75	111.101	4.280	99.624	103.756	5.520	102.574	106.044
1476-80	99.438	4.560	106.141	90.554	6.715	124.779	106.309
1481-85	83.328	4.555	106.025	67.595	8.460	157.205	98.706

Years (5 years)	Dickedinnen Real Price Index 1451-75=100 Harmonic Means	Schepenen £ groot Flemish	Schepenen Price Index 1451-75=100 £4.296	Strijpte Laken Schepenen 1451-75=100 Harmonic Means	Strijpte Laken Schepenen in £ groot Flem	Strijpte Lakenen Price Index: 1451-75=100 £5.381	Strijpte Lakenen Real Price Index : 1451-75=100 Harmonic Means
1486-90	110.593	6.640	154.556	83.765	12.260	227.818	123.239
1491-95	109.201	7.050	164.100	113.187	12.850	238.781	166.410
1496-00	151.568	6.160	143.384	143.019	11.500	213.695	212.618
1501-05		6.110	142.220		11.100	206.262	
1506-10		6.180	143.849		11.740	218.155	
1511-15		6.420	149.436		12.750	236.923	
1516-20		6.600	153.625		13.500	250.859	

Sources:

Ghent Cloth: Stadsarchief Gent, Stadsrekeningen, Reeks 400: vols. 1-58; Algemeen Rijksarchief België, Rekenkamer, reg. nos. 34,862.

Flemish Commodity Basket Price Index: John Munro, 'Wage Stickiness, Monetary Changes, and Real Incomes in Late-Medieval England and the Low Countries, 1300 - 1500: Did Money Matter?' *Research in Economic History*, 21 (2003), 185 - 297; and John Munro, 'Builders' Wages in Southern England and the Southern Low Countries, 1346 -1500: A Comparative Study of Trends in and Levels of Real Incomes', in Simonetta Caviococchi, ed., *L'Edilizia prima della rivoluzione industriale, secc. XIII-XVIII*, Atti delle "Settimana di Studi" e altri convegni, no. 36, Istituto Internazionale di Storia Economica "Francesco Datini" (Florence, 2005), pp.1013-76.

Harmonic Mean: In computing quinquennial, decennial, or other such mean values, the harmonic mean must be used, not the arithmetic mean. See Harold Sloan and Arnold Zurcher, *A Dictionary of Economics*, 3rd edn (New York, 1953), pp. 149-50: the harmonic mean is 'a calculated average computed by finding the reciprocal of the arithmetic mean of the reciprocals of the numbers to be averaged... In economic computation the harmonic mean is used in averaging such data as time rates and rate-per-dollar prices'.

Table 5. Prices and Values of Ghent Woollen Cloths in Relation to the Values of a Flemish Commodity Basket and a Brabant Commodity Basket and their Composite Price Indexes
Prices in Pounds and Pence Groot of Flanders and Brabant
in quinquennial means, 1331-35 to 1566-70

Years Ending (5 years)	Schepenen Dickedinnen Large: in £ groot Flemish	Dickedinnen Price Index: 1451-75= 100 £7.91244 groot Flemish	Flemish Price Index 1451-75= 100 126.2948d 1451-75= 100	Value of Flemish Commodity Basket in d. groot Flemish	Value of Ghent 1st Quality Dickedinnen in Flemish Commodity Baskets: Harmonic M	Value of Brabant Commodity Basket in d. groot Flemish	Brabant Price Index 1451-75= 100 155.016d 1451-75= 100	Value of Ghent 1st Quality Dickedinnen in Brabant Commodity Baskets: Harmonic M
1331-35	2.747	34.712						
1336-40	2.788	35.235						
1341-45	3.512	44.387						
1346-50	2.874	36.326	50.571	63.868	10.856			
1351-55	3.749	47.378	60.646	76.593	11.632			
1356-60	4.330	54.723	87.540	110.558	9.366			
1361-65	4.857	61.389	94.425	119.255	9.752			
1366-70	5.377	67.956	107.401	135.641	9.483			
1371-75	5.333	67.395	115.222	145.519	8.808			
1376-80	6.890	87.078	111.662	141.024	11.522			
1381-85	7.500	94.787	119.193	150.534	11.957			
1386-90	7.192	90.890	124.719	157.514	10.840			
1391-95	5.538	69.991	88.510	111.784	11.890			
1396-00	5.759	72.783	89.796	113.407	12.187			
1401-05	5.856	74.009	88.531	111.810	12.496	149.440	96.403	9.642
1406-10	5.843	73.851	105.261	132.939	10.470	159.400	102.828	8.785
1411-15	5.853	73.972	95.309	120.370	11.670	155.882	100.559	9.008
1416-20	6.077	76.798	107.381	135.616	10.737	164.113	105.868	8.867
1421-25	5.997	75.790	112.182	141.680	10.162	168.089	108.433	8.562
1426-30	6.047	76.419	117.773	148.741	9.760	179.277	115.651	8.091
1431-35	7.061	89.242	123.512	155.989	10.869	175.173	113.003	9.673
1436-40	7.182	90.763	140.166	177.022	9.782	194.440	125.432	8.853
1441-45	8.008	101.213	113.504	143.350	13.330	163.507	105.477	11.706

Years Ending (5 years)	Schepenen Dickedinnen Large: in £ groot Flemish	Dickedinnen Price Index: 1451-75= 100 £7.91244 groot Flemish	Flemish Price Index 1451-75= 100 126.2948d 1451-75= 100	Value of Flemish Commodity Basket in d. groot Flemish	Value of Ghent 1st Quality Dickedinnen in Flemish Commodity Baskets: Harmonic M	Value of Brabant Commodity Basket in d. groot Flemish	Brabant Price Index 1451-75= 100 155.016d 1451-75= 100	Value of Ghent 1st Quality Dickedinnen in Brabant Commodity Baskets: Harmonic M
1446-50	7.719	97.558	109.984	138.904	13.313	154.360	99.577	12.011
1451-55	6.828	86.296	100.902	127.434	12.720	152.760	98.545	10.647
1456-60	7.857	99.294	117.855	148.845	12.649	177.613	114.577	10.585
1461-65	8.000	101.107	88.705	112.030	17.138	141.173	91.070	13.600
1466-70	8.188	103.476	96.520	121.900	16.105	150.293	96.953	13.076
1471-75	8.690	109.827	96.017	121.264	17.188	153.240	98.854	13.605
1476-80	9.063	114.535	117.213	148.034	14.707	187.093	120.693	11.642
1481-85	10.998	138.991	156.853	198.097	12.968	241.440	155.752	10.628
1486-90	16.914	213.767	184.511	233.028	17.202	269.880	174.098	14.366
1491-95	14.367	181.571	144.981	183.104	18.721	206.507	133.216	16.626
1496-00	14.667	185.366	100.255	126.617	27.801	178.813	115.352	19.686
1501-05	14.667	185.366				194.467	125.449	18.101
1506-10	14.130	178.582				177.960	114.801	19.060
1511-15	13.000	164.298				213.773	137.904	14.595
1516-20	13.130	165.941				232.933	150.264	13.527
1521-25	13.225	167.142				278.933	179.938	11.377
1526-30	13.595	171.818				276.733	178.519	11.791
1531-35	13.775	174.093				269.720	173.995	12.252
1536-40	13.950	176.305				287.773	185.641	11.523
1541-45	13.820	174.662				322.960	208.340	10.267
1546-50	16.900	213.588				309.133	199.420	13.140
1551-55	20.300	256.558				403.840	260.515	12.014
1556-60	20.933	264.562				466.160	300.717	10.770
1561-65	26.050	329.228				486.653	313.937	12.846
1566-70	28.000	353.873				493.400	318.290	13.620

Sources:

Ghent Cloth: Stadsarchief Gent, Stadsrekeningen, Reeks 400: vols. 1-58; Algemeen Rijksarchief België, Rekenkamer, reg. nos. 34,862.

Flemish Commodity Basket Price Index: John Munro, 'Wage Stickiness, Monetary Changes, and Real Incomes in Late-Medieval England and the Low

Countries, 1300 - 1500: Did Money Matter?' *Research in Economic History*, 21 (2003), 185 - 297; and John Munro, 'Builders' Wages in Southern England and the Southern Low Countries, 1346 -1500: A Comparative Study of Trends in and Levels of Real Incomes', in Simonetta Caviococchi, ed., *L'Edilizia prima della rivoluzione industriale, secc. XIII-XVIII*, Atti delle "Settimana di Studi" e altri convegni, no. 36, Istituto Internazionale di Storia Economica "Francesco Datini" (Florence, 2005), pp.1013-76.

Brabant Commodity Basket Price Index: Herman Van der Wee, 'Prijzen en lonen als ontwikkelingsvariabelen: Een vergelijkend onderzoek tussen Engeland en de Zuidelijke Nederlanden, 1400 - 1700,' in *Album offert à Charles Verlinden à l'occasion de ses trente ans de professoriat* (Ghent, 1975), pp. 413-35, with index numbers based on the publications of John Munro, as listed above..

See the note on the harmonic mean in the sources for the previous table.

Table 6.

**Prices and Values of Ghent Woollen Cloths in Relation to the
Purchasing Power of a Master Mason's Wages in Bruges
Prices and Wages in pounds and pence groot of Flanders
in quinquennial means, 1331-5 to 1496-1500**

Years Ending (5 years)	Schepenen Dickedinnen Large: Civic in £ groot Flemish	Dickedinnen Price Index: 1451-75=100 7.91244d groot Flemish	Tournai Festival: Strijpte Laken for the Schepenen in £ groot Flemish	Tournai Festival: Strijpte Laken Price Index: 1451-75=100 5.3815d gr.	Flemish Price Index 1451-75= 100 126.2949d	Bruges: Master Mason's Daily in d. groot Flemish	No. of Days' Wages for Bruges Master Mason to buy one Dickedinnen Harmonic Means	No. of Days' Wages for Bruges Master Mason to buy one Strijpte Laken Harmonic Means
1331-35	2.747	34.712						
1336-40	2.788	35.235						
1341-45	3.512	44.387						
1346-50	2.874	36.326			50.571	5.000	131.885	
1351-55	3.749	47.378			60.646	5.200	171.457	
1356-60	4.330	54.723			87.540	6.000	171.811	
1361-65	4.857	61.389			94.425	6.850	169.459	
1366-70	5.377	67.956			107.401	8.000	160.559	
1371-75	5.333	67.395			115.222	8.000	159.725	
1376-80	6.890	87.078			111.662	8.800	186.733	
1381-85	7.500	94.787			119.193	8.800	204.545	
1386-90	7.192	90.890			124.719	10.867	158.835	
1391-95	5.538	69.991			88.510	9.000	147.680	
1396-00	5.759	72.783			89.796	9.850	140.319	
1401-05	5.856	74.009			88.531	10.000	139.732	
1406-10	5.843	73.851	5.145	95.601	105.261	10.000	139.902	123.475
1411-15	5.853	73.972	4.805	89.287	95.309	10.000	140.431	115.320
1416-20	6.077	76.798	4.935	91.703	107.381	10.000	145.620	118.440
1421-25	5.997	75.790	4.871	90.511	112.182	10.000	143.910	116.900
1426-30	6.047	76.419	5.226	97.107	117.773	10.000	145.085	125.420
1431-35	7.061	89.242	5.433	100.948	123.512	10.800	156.874	120.873
1436-40	7.182	90.763	5.533	102.821	140.166	11.000	156.377	120.727
1441-45	8.008	101.213	5.661	105.191	113.504	11.000	174.258	123.509
1446-50	7.719	97.558	5.700	105.918	109.984	11.000	168.268	124.364
1451-55	6.828	86.296	5.635	104.711	100.902	11.000	147.761	122.945
1456-60	7.857	99.294	5.656	105.098	117.855	11.000	171.175	123.400

Years Ending (5 years)	Schepenen Dickedinnen Large: Civic in £ groot Flemish	Dickedinnen Price Index: 1451-75=100 7.91244d groot Flemish	Tournai Festival: Strijpte Laken for the Schepenen in £ groot Flemish	Tournai Festival: Strijpte Laken Price Index: 1451-75=100 5.3815d gr.	Flemish Price Index 1451-75=100 126.2949d	Bruges: Master Mason's Daily in d. groot Flemish	No. of Days' Wages for Bruges Master Mason to buy one Dickedinnen Harmonic Means	No. of Days' Wages for Bruges Master Mason to buy one Strijpte Laken Harmonic Means
1461-65	8.000	101.107	5.207	96.751	88.705	11.000	174.545	113.600
1466-70	8.188	103.476	4.890	90.867	96.520	11.000	178.562	106.691
1471-75	8.690	109.827	5.520	102.574	96.017	11.000	189.568	120.436
1476-80	9.063	114.535	6.715	124.779	117.213	11.000	197.580	146.509
1481-85	10.998	138.991	8.460	157.205	156.853	11.000	237.068	184.582
1486-90	16.914	213.767	12.260	227.818	184.511			
1491-95	14.367	181.571	12.850	238.781	144.981			
1496-00	14.667	185.366	11.500	213.695	100.255			

Sources:

Ghent Cloth: Stadsarchief Gent, Stadsrekeningen, Reeks 400: vols. 1-58; Algemeen Rijksarchief België, Rekenkamer, reg. nos. 34,862.

Bruges Masons Wages: Stadsarchief Brugge, Stadsrekeningen 1350-51 to 1485-85; Algemeen Rijksarchief, Rekenkamer, reg. nos. 32,461-32532.

John Munro, 'Wage Stickiness, Monetary Changes, and Real Incomes in Late-Medieval England and the Low Countries, 1300 - 1500: Did Money Matter?' *Research in Economic History*, 21 (2003), 185 - 297; and John Munro, 'Builders' Wages in Southern England and the Southern Low Countries, 1346 -1500: A Comparative Study of Trends in and Levels of Real Incomes', in Simonetta Caviococchi, ed., *L'Edilizia prima della rivoluzione industriale, secc. XIII-XVIII*, Atti delle "Settimana di Studi" e altri convegni, no. 36, Istituto Internazionale di Storia Economica "Francesco Datini" (Florence, 2005), pp.1013-76.

Table 7

**Prices and Values of Ghent Woollen Cloths in Relation to the
Purchasing Power of a Master Mason's Wages in Antwerp
and the Brabant Commodity Basket Price Index**
**Prices and Wages in pounds and pence groot of Flanders and of Brabant
in quinquennial means, 1401-05 to 1566-70**

Years Ending (5 years)	Schepenen Dickedinnen Large: in £ groot Flemish	Dickedinnen Price Index 1451-75= 100 £7.912 groot	Tournai Festival: Strijpte Laken for Schepenen in £ groot Flemish	Tournai Festival: Strijpte Laken Price Index: 1451-75=100 5.3815d	Brabant Price Index 1451-75= 100 155.016d groot Flem	Antwerp: Mean Craftsman's Daily Wage in d. groot Flemish	No. Days' Wages for a Master Mason in Antwerp to buy one Ghent Dickedinnen: Harmonic Means	No. Days' Wages for a Master Mason in Antwerp to buy one Ghent Strijpte Laken: Harmonic Means
1401-05	5.856				96.403	7.313	192.063	
1406-10	5.843	73.851	5.145	95.601	102.828	7.500	186.989	164.633
1411-15	5.853	73.972	4.805	89.287	100.559	6.817	206.020	169.161
1416-20	6.077	76.798	4.935	91.703	105.868	6.573	221.421	180.106
1421-25	5.997	75.790	4.871	90.511	108.433	6.012	239.385	194.021
1426-30	6.047	76.419	5.226	97.107	115.651	5.775	251.180	216.688
1431-35	7.061	89.242	5.433	100.948	113.003	6.403	264.981	203.518
1436-40	7.182	90.763	5.533	102.821	125.432	6.333	271.603	209.628
1441-45	8.008	101.213	5.661	105.191	105.477	7.200	266.947	188.646
1446-50	7.719	97.558	5.700	105.918	99.577	7.500	246.793	182.400
1451-55	6.828	86.296	5.635	104.711	98.545	7.500	216.716	180.221
1456-60	7.857	99.294	5.656	105.098	114.577	7.500	251.057	180.862
1461-65	8.000	101.107	5.207	96.751	91.070	7.500	256.000	166.493
1466-70	8.188	103.476	4.890	90.867	96.953	7.500	261.890	156.425
1471-75	8.690	109.827	5.520	102.574	98.854	7.500	278.034	175.480
1476-80	9.063	114.535	6.715	124.779	120.693	7.500	289.784	213.296
1481-85	10.998	138.991	8.460	157.205	155.752	7.500	347.700	268.930
1486-90	16.914	213.767	12.260	227.818	174.098	8.100	479.198	353.271
1491-95	14.367	181.571	12.850	238.781	133.216	7.500	459.576	410.465
1496-00	14.667	185.366	11.500	213.695	115.352	7.700	457.153	357.799
1501-05	14.667	185.366	11.100	206.262	125.449	7.750	454.204	343.622
1506-10	14.130	178.582	11.740	218.155	114.801	7.750	436.505	363.340

Years Ending (5 years)	Schepenen Dickedinnen Large: in £ groot Flemish	Dickedinnen Price Index 1451-75=100 £7.912 groot	Tournai Festival: Strijpte Laken for Schepenen in £ groot Flemish	Tournai Festival: Strijpte Laken Price Index: 1451-75=100 5.3815d	Brabant Price Index 1451-75=100 155.016d groot Flem	Antwerp: Mean Craftsman's Daily Wage in d. groot Flemish	No. Days' Wages for a Master Mason in Antwerp to buy one Ghent Dickedinnen: Harmonic Means	No. Days' Wages for a Master Mason in Antwerp to buy one Ghent Strijpte Laken: Harmonic Means
1511-15	13.000	164.298	12.750	236.923	137.904	8.600	362.791	356.316
1516-20	13.130	165.941	13.500	250.859	150.264	9.250	340.660	350.270
1521-25	13.225	167.142			179.938	9.500	334.173	
1526-30	13.595	171.818			178.519	9.750	334.571	
1531-35	13.775	174.093			173.995	9.350	353.629	
1536-40	13.950	176.305			185.641	11.100	297.893	
1541-45	13.820	174.662			208.340	12.950	255.453	
1546-50	16.900	213.588			199.420	14.850	272.778	
1551-55	20.300	256.558			260.515	15.000	323.077	
1556-60	20.933	264.562			300.717	16.200	310.073	
1561-65	26.050	329.228			313.937	27.000	231.869	
1566-70	28.000	353.873			318.290	21.750	308.966	

Sources:

Ghent Cloth Prices: Stadsarchief Gent, Stadsrekeningen, Reeks 400: vols. 1-58; Algemeen Rijksarchief België, Rekenkamer, reg. nos. 34,862.

Brabant Commodity Prices: Herman Van der Wee, 'Prijzen en lonen als ontwikkelingsvariabelen: Een vergelijkend onderzoek tussen Engeland en de Zuidelijke Nederlanden, 1400 - 1700,' in *Album offert à Charles Verlinden à l'occasion de ses trente ans de professoriat* (Ghent, 1975), pp. 413-35.

Antwerp Wages: Herman Van der Wee, *Growth of the Antwerp Market and the European Economy (fourteenth-sixteenth centuries)*, 3 vols. (The Hague, 19653), Vol. I: *Statistics*, Appendix II: Wages, pp. 457-60.

Table 8 **Prices of English and Flemish Woollen Broadcloths, in pounds sterling English and groot Flemish in quinquennial means, 1351-55 to 1516-20: with the number of days wages for a master mason to buy one woollen broadcloth, and the Flemish Composite Price Index (1451-75 = 100)**

Part I: England						
Years 5-year means	Cambridge 1st quality broadcloths in £ sterling	No. of Days Wages for Cambridge Mason to Buy a 1st Quality Broadcloth harmonic mean	Cambridge 2nd quality broadcloths in £ sterling	No. of Days Wages for Cambridge Mason to Buy a 2nd Quality Broadcloth harmonic mean	Mean Values of Cloth Exports from all English Ports in £ sterling	Mean Values of Cloth Exports from all English Ports in £ groot Flemish
1351-55						
1356-60						
1361-65	2.232	101.600	1.771	80.610		
1366-70	2.437	113.550	1.933	90.090		
1371-75	2.200	101.570	1.745	80.580	1.751	1.611
1376-80	2.430	115.770	1.928	91.850	2.314	2.240
1381-85	2.808	133.490	2.227	105.910	2.161	2.406
1386-90	2.140	101.560	1.698	80.580	1.857	1.974
1391-95	1.952	93.660	1.548	74.300	1.694	1.741
1396-00	2.033	97.400	1.613	77.280	1.403	1.471
1401-05	2.128	100.150	1.812	85.220	1.769	1.855
1406-10	2.160	89.050	1.989	82.290	1.536	1.542
1411-15	2.136	85.380	2.178	87.000	1.501	1.193
1416-20	2.100	84.000	1.855	73.980	1.200	1.178
1426-30	2.423	92.710	1.970	78.720	1.669	1.860
1431-35	2.468	97.880	1.985	79.390	2.299	2.638
1436-40	2.080	83.150	1.885	75.390	2.091	2.308
1441-45	2.273	89.010	1.905	76.190	2.180	2.406
1446-50	2.502	98.060	1.815	72.100	2.243	2.476
1451-55	2.380	93.870	1.893	75.700	1.614	1.782
1456-60	2.758	109.250	1.985	79.390	2.111	2.313
1461-65	2.933	112.170	1.875	74.970	1.856	2.041
1466-70	3.375	129.440	1.830	73.180	1.866	1.881
1471-75	2.520	100.410	2.230	86.190	1.877	2.002
1476-80	3.400	135.050	3.000	120.000	2.385	3.044

Years 5-year means	Cambridge 1st quality broadcloths in £ sterling	No. of Days Wages for Cambridge Mason to Buy a 1st Quality Broadcloth harmonic mean	Cambridge 2nd quality broadcloths in £ sterling	No. of Days Wages for Cambridge Mason to Buy a 2nd Quality Broadcloth harmonic mean	Mean Values of Cloth Exports from all English Ports in £ sterling	Mean Values of Cloth Exports from all English Ports in £ groot Flemish
1481-85	3.400	127.270	2.560	97.440	2.274	3.435
1486-90	3.380	126.500	2.660	103.500	2.427	4.605
1491-95	3.630	136.540	2.586	103.240	2.822	3.684
1496-00	3.493	132.030	2.514	100.470	2.271	3.332
1501-05	3.448	132.730	2.561	99.280	2.975	4.379
1506-10	3.408	127.470	2.570	99.660	3.502	5.155
1511-15	3.710	147.250	2.920	116.720	3.606	5.308
1516-20	4.120	162.630	3.060	122.220		

Sources:

London Cloth Export Prices: National Archives (Public Record Office of London), King's Remembrancer Exchequer, Particulars Accounts: Customs E.122/76/13, 74/11, 77/11, 73/23, 73/25, 194/14-18, 78/7, 79/5, 81-1-2; Lord Treasurer's Remembrancer, Enrolled Customs, E.356/19-24

Southampton Cloth Export Prices: National Archives (P.R.O.), K.R. Exchequer, Customs E.122/139/4/ 139/7-8, 141/4, 141/21-22, 209/1, 141/25, 140/62, 141.29, 141/31, 141/33, 141/35-36, 209/8, 141/38, 142/1, 142/3, 142/8, 142/10, 143/1, 142/11-12, 209/2, and L.T.R. Enrolled Customs E. 356/19-24.

Cambridge and Winchester cloth prices: Archives of the British Library of Political and Economic Science (London), Phelps Brown Papers Collection, Box Ia.324; James E. Thorold Rogers, *A History of Agriculture and Prices in England from the Year after the Oxford Parliament (1259) to the Commencement of the Continental War (1793)*, Vol. I: 1259-1400 (Oxford, 1866), pp. 587-92; Vol. IV: 1401 - 1582 (Oxford, 1882), pp. 583-588; William Beveridge, *Prices and Wages in England from the Twelfth to the Nineteenth Centuries*, vol. I: *Price Tables: Mercantile Era* (London: Longmans Green, 1939; republished London, 1965);

Wages for master masons in south-eastern England: Phelps Brown, Henry, and Hopkins, Sheila, 'Seven Centuries of Building Wages', *Economica*, 22:87 (August 1955), 195-206; reprinted in Henry Phelps Brown and Sheila Hopkins, *A Perspective of Wages and Prices* (London: Methuen, 1981), pp. 1- 12.

Table 9 Prices of English and Flemish Woollen Broadcloths, in pounds sterling English and groot Flemish in quinquennial means, 1351-55 to 1516-20: with the number of days wages for a master mason to buy one woollen broadcloth, and with the Flemish and Brabant Composite Price Indexes (1451-75 = 100)

Part II: Flanders								
Years 5-years	FLANDERS:	GHENT	YPRES	BRUGES	BRUGES	WERKIK KORTRIJK	NIEUW- KERK NIEPKERK	Prices of First
	Composite Price Index Basket of	Price of First Quality Ghent	Fine Dyed Woollens for Magistrates	Fine Dyed Woollens	Fine Dyed Woollens	Prices of First Quality	Prices of First Quality	Prices of First
	Consumables 1451-75=100 126.295 d. groot Flemish	Dickedinnen Broadcloths in £ groot Flemish	Broadcloths in £ groot Flemish	May prices in £ groot Flemish	October prices in £ groot Flemish	woollens prices in £ groot Flemish	woollens in £ groot Flemish	Quality woollens in £ groot Flemish
1351-55	60.646	3.749						
1356-60	87.540	4.330						
1361-65	94.425	4.857						
1366-70	107.401	5.377						
1371-75	115.222	5.333						
1376-80	111.662	6.89						
1381-85	119.193	7.5						
1386-90	124.719	5.958						
1391-95	88.510	5.538		8.143	5.538	3.591	3.600	
1396-00	89.796	5.759		8.143	5.466	3.756	3.343	
1401-05	88.531	5.980		8.341	6.239	3.512	3.251	
1406-10	105.261	5.843	5.435	7.264	6.088	3.742	3.462	
1411-15	95.309	5.853	5.28	6.585	5.585	3.460	3.403	
1416-20	107.381	6.077	5.303	6.800	4.969	3.131	3.523	
1421-25	112.182	5.997	5.200	7.100	4.940	3.194	3.500	
1426-30	117.773	6.047	5.110	6.915	5.416	3.800	3.900	1.974
1431-35	123.512	7.061	6.000	6.775	6.478	4.197	4.200	2.201
1436-40	140.166	7.182	6.528	7.319	7.149	4.198	3.725	2.079
1441-45	113.504	8.008	6.658	7.775	7.057	3.878	4.215	2.243
1446-50	109.984	7.719	7.408	7.881	6.860	3.875	3.942	2.227
1451-55	100.902	6.828	7.197	7.655	7.390	3.672	3.977	2.310
1456-60	117.855	7.857	7.768	7.951	7.418	3.444		1.878

Years 5-years	FLANDERS: Composite Price Index Basket of Consumables 1451-75=100 126.295 d. groot Flemish	GHENT Price of First Quality Ghent Dickedinnen Broadcloths in £ groot Flemish	YPRES Fine Dyed Woollens for Magistrates Broadcloths in £ groot Flemish	BRUGES Fine Dyed Woollens May prices in £ groot Flemish	BRUGES Fine Dyed Woollens October prices in £ groot Flemish	WERKIK Prices of First Quality woollens prices in £ groot Flemish	KORTRIJK Prices of First Quality woollens in £ groot Flemish	NIEUW- KERK NIEPKERK Prices of First Quality woollens in £ groot Flemish
1461-65	88.705	8.000	7.886	8.032	6.994	3.889	2.291	
1466-70	96.520	8.188	7.608	8.811	6.567		2.009	
1471-75	96.017	8.690	7.553	9.937	6.574			
1476-80	117.213	9.063	7.742	8.604	7.664			
1481-85	156.853	10.998	10.715	11.552	8.986			
1486-90	184.511	16.914	11.287	17.023	14.268			
1491-95	144.981	14.367	13.71	9.558	9.937			
1496-00	100.255	14.667	12.252	10.560	9.900			
1501-05		14.667						
1506-10		14.130						
1511-15		13.000						
1516-20		13.130						
1521-25		13.225						
1526-30		13.595						
1531-35		13.775						
1536-40		13.95						
1541-45		13.820						
1546-50		16.9						

Sources:

Flemish Commodity Price Index: see sources for Tables 4 -5

Ghent Cloth Prices: Stadsarchief Gent, Stadsrekeningen, Reeks 400: vols. 11-44; Algemeen Rijksarchief België, Rekenkamer, reg. nos. 38,635-72.

Bruges Cloth Prices: Stadsarchief Brugge, Stadsrekeningen 1390-91 to 1499-1500; Algemeen Rijksarchief België, Rekenkamer, nos. 32,461-564 (stadsrekeningen Brugge, from 1406);

Ypres Cloth Prices: Algemeen Rijksarchief België, Rekenkamer, registers nos. 38,635 - 722 (stadsrekeningen Ieper)

Cloth Prices for Wervik, Kortrijk, Nieuwkerk, Nieperke: see the sources for the Bruges cloth prices: prices recorded on the Bruges market.

Table 10

**Prices of English, Flemish and Brabantine Woollen Broadcloths,
in pounds sterling English and groot Flemish
in quinquennial means, 1351-55 to 1546-50
with the number of days wages for a master mason to buy
one woollen broadcloth, and with the Brabant Composite Price Index
(mean of 1451-75=100)**

Part III: Brabant

Years 5-years	LEUVEN	MECHELEN	MECHELEN	MECHELEN	BRABANT
	Dyed Price in £ groot Flemish	Mean Price of Dyed Woollens in £ groot Flemish	Mean Price of Dyed Zwart- lakens in £ groot Flemish	No. of days Wages for Antwerp Master Mason to buy one Zwartlaken: harmonic mean	Commodity Price Index 1451-75= 100 155.016d groot Flemish
1351-55					
1356-60					
1361-65					
1366-70		5.375			
1371-75		6.716			
1376-80		7.211			
1381-85		7.957			
1386-90		8.780			
1391-95		6.524			
1396-00		5.972			
1401-05	3.226	8.631			96.403
1406-10	3.683	9.418			102.828
1411-15	3.787	9.694			100.559
1416-20	3.944	8.411			105.868
1421-25	4.520	7.618			108.433
1426-30	5.057	8.631			115.651
1431-35	6.086	8.528			113.003
1436-40		6.523			125.432
1441-45	4.067	6.706			105.477
1446-50	4.082	6.538			99.577
1451-55	3.788	6.703			98.545

Years 5-years	LEUVEN Dyed Price in £ groot Flemish	MECHELEN Mean Price of Dyed Woollens in £ groot Flemish	MECHELEN Mean Price of Dyed Zwart- lakens in £ groot Flemish	MECHELEN No. of days Wages for Antwerp Master Mason to buy one Zwartflaken: harmonic mean	BRABANT Commodity Price Index 1451-75= 100 155.016d groot Flemish
1456-60	4.086				114.577
1461-65	5.412				91.070
1466-70	5.698	5.624			96.953
1471-75	5.517	6.129	6.930	140.522	98.854
1476-80	5.955	7.826	8.053	171.450	120.693
1481-85	6.531	7.475	6.893	136.157	155.752
1486-90	7.682	6.205	6.876	127.495	174.098
1491-95	7.907	8.478	8.524	178.007	133.216
1496-00		9.821	9.604	199.557	115.352
1501-05		10.012	9.919	204.716	125.449
1506-10		10.116	10.119	208.788	114.801
1511-15		10.941	10.954	204.030	137.904
1516-20		11.310	11.348	196.131	150.264
1521-25		10.976	11.159	187.998	179.938
1526-30		10.807	11.067	181.607	178.519
1531-35		11.025	11.165	191.028	173.995
1536-40		11.295	11.373	164.074	185.641
1541-45		11.109	11.107	136.384	208.340
1546-50		12.202	11.996	128.952	199.420

Sources:

Mechelen Cloth Prices: Stadsarchief Mechelen, Stadsrekeningen, 1316-1550, Series I: nos. 3-225; Algemeen Rijksarchief, Rekenkamer, reg. nos. 41,219-85;

Leuven Cloth Prices: Stadsarchief Leuven, Stadsrekeningen, 1345-1500, nos. 4986-5124.

Brabant Commodity Prices: Herman Van der Wee, 'Prijzen en lonen als ontwikkelingsvariabelen: Een vergelijkend onderzoek tussen Engeland en de Zuidelijke

Nederlanden, 1400 - 1700,' in *Album offert à Charles Verlinden à l'occasion de ses trente ans de professoriat* (Ghent, 1975), pp. 413-35.

Antwerp Wages: Herman Van der Wee, *Growth of the Antwerp Market and the European Economy (fourteenth-sixteenth centuries)*, 3 vols. (The Hague, 19653), Vol. I: *Statistics*, Appendix II: Wages, pp. 457-60.

Table 11

**Prices of Hondschoote Says and Ghent Dickedinnen Woollens, compared
with the Purchasing Power an Antwerp Master Mason's Daily Wages
in pounds and pence groot Flemish, 1435 - 1544**

Year	Hondschoote Single Says: Prices in £ groot Flemish	Hondschoote Double Says: Prices in £ groot Flemish	Ghent Dickedinnen Woollens: Prices in £ groot Flemish	Daily Wage of an Antwerp Master Mason in d. groot Flemish*	No. Days' Wages of a Master Mason to Buy a Single Say	No. Days' Wages of a Master Mason to Buy a Dicke- dinnen	Value of the Brabant Basket of Consumables in d. groot Flemish	Value of Single Say in Baskets of Consum- ables	Value of Ghent Dickedinnen Baskets of Consum- ables
1535			14.150	9.750		348.308	268.733		12.637
1536			14.250	10.250		333.659	297.467		11.497
1537			14.500	10.250		339.512	254.333		13.683
1538	0.967	2.278	14.500	11.000	21.098	316.364	295.533	0.785	11.775
1539	0.945	2.184	15.000	12.000	18.900	300.000	300.400	0.755	11.984
1540	0.835	1.961	11.500	12.000	16.700	230.000	291.133	0.688	9.48
1541	0.879	2.015	12.000	12.000	17.580	240.000	278.000	0.759	10.36
1542	0.838	2.005	14.600	12.000	16.760	292.000	293.600	0.685	11.935
1543	0.783	1.775	14.000	13.000	14.455	258.462	324.200	0.580	10.364
1544	0.908	1.942	14.000	13.500	16.142	248.889	351.067	0.621	9.571

Sources:

Ghent: Stadsarchief Gent, Stadsrekeningen 1534/5-1544/5, Reeks 400: nos.46-52;

Mechelen: Stadsarchief Mechelen, Stadsrekeningen 1534/5-1544/5, nos.209-19;

Antwerp: Herman Van der Wee, *Growth of the Antwerp Market and the European Economy, 14th to 16th Centuries*, 3 vols. (The Hague, 1963), 1:457-68 (Appendix 39);

Hondschoote: Henri De Sagher, et al eds., *Recueil de documents relatifs à l'histoire de l'industrie drapière en Flandre*, deuxième série, Vol. II (Brussels, 1954), pp. 362-69, no. 290; pp. 378-81, no. 291; p. 415, no. 299.

Émile Coornaert, *La draperie-sayetterie d'Hondschoote, XIVE-XVIIIe siècles* (Paris, 1930); calculated from Appendix IV, pp. 485-90.

Florence Edler, 'Le commerce d'exportation des sayes d'Hondschoote vers Italie d'après la correspondance d'une firme anversoise, entre 1538 et 1544,' *Revue du Nord*, 22 (1936), 249-65.

Table 12.

**Prices for Italian, English, Flemish, Brabantine, Dutch,
and French Textiles in Poland (Cracow), c. 1400-10
Prices for Woollens of 35 Flemish Ells (24.5 metres in length)**

Place/Town of Textile Producer	Textile Type or Name	Polish Groszes per ell (0.70 metre)	Value in £ groot Flemish 34d/florin	Value in Florentine Florins	Value in £ sterling 36d/florin
ITALY					
Florence	dyed woollen broadcloths	20	4.132	29.170	4.376
Florence	dyed woollen broadcloths	22	4.545	32.080	4.812
FLANDERS					
Bruges	dyed woollen broadcloths	30	6.198	43.750	6.563
Dendermonde	dyed woollen broadcloths	15	3.098	21.870	3.281
Kortrijk	dyed woollen broadcloths	12	2.479	17.500	2.625
Geraardsbergen	dyed woollen broadcloths	12	2.479	17.500	2.625
BRABANT					
Brussels	dyed woollen broadcloths	20	4.132	29.170	4.376
Brussels	dyed woollen broadcloths	32	6.612	46.670	7.001
Mechelen	dyed woollen broadcloths	17	3.512	24.790	3.719
Leuven	dyed woollen broadcloths	16	3.305	23.330	3.499
Lier	dyed woollen broadcloths	24	4.958	35.000	5.250
Lier	dyed woollen broadcloths	18	3.719	26.250	3.938
Tienen	dyed woollen broadcloths	14	2.893	20.420	3.063
Tienen	small cloths	9	1.859	13.120	1.968
Herentals	dyed woollen broadcloths	18	3.719	26.250	3.938
HOLLAND					
Leiden ?	Ostrodommensis	15	3.098	21.870	3.281
ARTOIS					
Arras	sayes	3	0.619	4.370	0.656

Place/Town of Textile Producer	Textile Type or Name	Polish Groszes per ell (0.70 metre)	Value in £ groot Flemish 34d/florin	Value in Florentine Florins	Value in £ sterling 36d/florin
Enghien	unspecified	8	1.653	11.670	1.751
ENGLAND					
London	dyed woollen broadcloths	12	2.479	17.500	2.625
London	dyed woollen broadcloths	24	4.958	35.000	5.25
unspecified	dyed woollen broadcloths	14	2.893	20.420	3.063

Source:

Wyrozumski, Jerzy, 'The Textile Trade of Poland in the Middle Ages,' in Negley B. Harte and Kenneth G. Ponting, eds., *Cloth and Clothing in Medieval Europe: Essays in Memory of Professor E. M. Carus-Wilson*, Pasold Studies in Textile History no. 2 (London, 1983), pp. 248 - 57.

Table 13

**The Dimensions and Compositions of Selected Woollens and Says
in the 16th Century: England and the southern Low Countries**

Drapery: City/Region	GHENT	MECHELEN	ESSEX	HONDSCHOOTE	BERGUES- ST.WINOC	ESSEX
Date of Ordinance	1456 and 1546	1544	1552	1571	1537	1579
Name of Textile	Dickedinnen	Gulden Aeren	Short Broadcloth	Double Say	Narrow Say	Says:
Additional Names	Five Seals	Five Seals	Suffolk, Essex	Small	Fine	broad
Origin of Wools	England	England: Herefords.	England	Flanders, Friesland	Flanders, Artois	English:
Wool Types	March, Cotswolds	Lemster Ore	short-stapled	Scotland, Pomerania	long-stapled	long-stapled
Length on Loom: ells/yds	42.500	48.000	n.s.	40.000	n.s.	n.s.
Length on Loom: metres	29.750	33.072	n.s.	28.000	n.s.	n.s.
Width on Loom: ells	3.625	4.000	n.s.	1.438	n.s.	n.s.
Width on Loom: metres	2.538	2.756	n.s.	1.006	n.s.	n.s.
Weight on Loom: lb.	88.000	n.s.	n.s.	n.s.	n.s.	n.s.
Weight on Loom: kg.	38.179	n.s.	n.s.	n.s.	n.s.	n.s.
Final Length: ells/yds	30.000	30.000	24.000	36.750	40.000	10.000
Final Length : metres	21.000	20.670	22.555	25.725	28.000	9.398
Final Width: ells/yds	2.375	2.500	1.750	1.250	1.000	1.000
Final Width: metres	1.663	1.723	1.645	0.875	0.700	0.940
No. of Warps	2066.000	3120.000	n.s.	1800.000	1400.000	n.s.
Warps per cm (fulled)	12.427	18.113	n.s.	20.571	20.000	n.s.
Area in m2	34.913	35.604	37.095	22.509	19.600	8.833
Final Weight in lb.	51.000	58.000	64.000	16.000	11.000	2.750
Final Weight in kg	22.126	27.217	29.030	7.257	5.103	1.247
Weight per m2 in grams	633.766	764.421	782.575	322.421	260.352	141.193
a. Flemish ell in metres	0.700					
b. Ghent pound in grams	433.850					
c. Bruges pound in grams	463.900					
d. Mechelen ell in metres	0.689					
e. Mechelen pound in grams	469.250					
f. English pound avoirdupois	453.593					
g. English cloth yard (37 in): m.	0.94					

Sources:

- a. Ghent 1456** Boone, Marc, 'Nieuwe teksten over de Gentse draperie: wolaanvoer, productiewijze en controlepraktijken (ca. 1456 - 1468),' *Bulletin de la commission royale d'histoire [de Belgique]*, 154 (1988), 1 - 61.
- b. Ghent 1546** Lameere, M. J., Simont, H., et al, eds. *Recueil des ordonnances des Pays Bas*, deuxième série: 1506 - 1700, V (Brussels, 1910), pp. 272-83.
- c. England woollens** *Statutes of the Realm*, 6 vols. Great Britain, Record Commission (London, 1810-22), Vol. IV:1, pp. 136-37, Statute 5-6 Edwardi VI c. 6
- d. England says** Pilgrim, J.E., 'The Rise of the 'New Draperies' in Essex,' *University of Birmingham Historical Journal*, 7 (1959-60), 36-59; A. P. Usher, *Industrial History of England* (Boston, 1920), p. 200.
- e. Mechelen** Willemsen, M.G., ed., 'Le règlement général de la draperie malinoise de 1544,' *Bulletin du cercle archéologique de Malines*, 20 (1910), 156-90.
- f. Hondschoote** Henri De Sagher, et al., eds., *Recueil de documents relatifs à l'histoire de l'industrie drapière en Flandre*, Iie partie: *le sud-ouest de la Flandre depuis l'époque bourguignonne*, 3 vols. (Brussels, 1951-66), Vol. II, 362-90, no. 290; 378-81, no. 291; 415, no. 299. Émile Coornaert, *La draperie-sayetterie d'Hondschoote, XIVe-XVIIIe siècles* (Paris, 1930);
- g. Bergues-St.Winoc** Henri De Sagher, et al., eds., *Recueil de documents relatifs à l'histoire de l'industrie drapière en Flandre*, Iie partie: *le sud-ouest de la Flandre depuis l'époque bourguignonne*, 3 vols. (Brussels, 1951-66), Vol. I, 530-31, no. 163; 538, no. 165; 561-67, nos. 176-77; Émile Coornaert, *Une industrie urbaine; du XIVe au XVIIe siècle: l'industrie de la laine à Bergues-Saint-Winoc* (Paris, 1930).

Table 14 **Prices of English Wools per Sack, in Pounds Sterling English, Wool Export Duties in shillings, Price Indexes for Wools, Livestock Products and the Phelps Brown and Hopkins Composite Price Index, in quinquennial means: from 1211-15 to 1496-1400**

Year	Mean Prices per Sack All Wools	Index 1451-75 =100 £3.4917	Mean Price Sack Better Wools	Index 1451-75 = 100.00 £4.8544	Phelps Brown & Hopkins Composite 1451-75 = 100	PB&H Livestock Index 1451-75 =100	Denizen	Denizen	Alien	Alien
							Export Duties on Wool Sacks in shillings	Export Duties as Per Cent of Wool Prices	Export Duties on Wool Sacks in shillings	Export Duties as Per Cent of Wool Prices
1211-15	2.399	68.70	2.616	53.89						
1216-20	2.586	74.06	2.645	54.48						
1221-25	2.766	79.21	2.970	61.17						
1226-30	2.570	73.61	2.713	55.89						
1231-35	3.903	111.77	3.988	82.16						
1236-40	3.679	105.36	3.832	78.95						
1241-45	3.839	109.96	3.809	78.46						
1246-50	3.784	108.38	4.052	83.46						
1251-55	3.251	93.12	3.610	74.37						
1256-60	3.930	112.55	3.948	81.32						
1261-65	4.950	141.77	4.184	86.19	82.44	88				
1266-70	4.634	132.72	4.689	96.59	81.25	76.6				
1271-75	4.887	139.97	5.061	104.25	103.84	96.6	5.334	5.27%	5.334	5.27%
1276-80	6.692	191.64	6.791	139.90	96.61	100.8	6.667	4.91%	6.667	4.91%
1281-85	5.616	160.83	5.700	117.41	104.80	93.2	6.667	5.85%	6.667	5.85%
1286-90	6.059	173.53	6.281	129.39	80.52	84.53	6.667	5.31%	6.667	5.31%
1291-95	5.107	146.26	5.402	111.28	107.45	82.27	14.667	13.58%	14.667	13.58%
1296-1300	5.520	158.10	5.508	113.47	102.34	91.60	22.667	20.58%	22.667	20.58%
1301-05	5.498	157.47	5.441	112.08	92.35	90	6.667	6.13%	8.667	7.96%
1306-10	7.063	202.27	7.006	144.32	109.81	104.17	6.667	4.76%	10.000	7.14%
1311-15	5.775	165.39	6.087	125.39	115.33	122.53	6.667	5.48%	6.667	5.48%
1316-20	6.734	192.84	7.012	144.44	161.91	132	8.332	5.94%	9.166	6.54%
1321-25	7.446	213.25	7.834	161.37	137.97	122.07	8.000	5.11%	12.000	7.66%
1326-30	6.211	177.88	6.649	136.96	111.07	108.07	12.227	9.19%	15.560	11.70%
1331-35	5.031	144.08	5.370	110.61	114.12	104.47	10.373	9.66%	14.559	13.56%

Year	Mean Prices per Sack All Wools	Index 1451-75 =100 £3.4917	Mean Price Sack Better Wools	Index 1451-75 = 100.00 £4.8544	Phelps Brown & Hopkins Composite 1451-75 = 100	PB&H Livestock Index 1451-75 =100	Denizen Export Duties on Wool Sacks in shillings	Denizen Export Duties as Per Cent of Wool Prices	Alien Export Duties on Wool Sacks in shillings	Alien Export Duties as Per Cent of Wool Prices
1336-40	4.264	122.11	4.646	95.70	94.32	96.27	29.556	31.81%	41.501	44.67%
1341-45	4.498	128.83	4.947	101.91	90.06	93.47	40.247	40.68%	43.333	43.80%
1346-50	4.222	120.91	4.713	97.09	102.70	98.6	40.000	42.43%	43.333	45.97%
1351-55	3.923	112.36	4.446	91.58	132.18	115	40.000	44.99%	43.333	48.74%
1356-60	4.050	116.00	5.243	108.01	129.46	111.6	40.000	38.14%	43.333	41.32%
1361-65	4.306	123.31	5.606	115.47	146.64	123.8	42.776	38.16%	46.110	41.13%
1366-70	5.624	161.08	6.689	137.80	146.10	128.13	46.667	34.88%	50.000	37.37%
1371-75	6.422	183.92	7.895	162.64	135.26	134.13	50.000	31.67%	53.333	33.78%
1376-80	6.582	188.49	7.536	155.24	110.62	110	50.000	33.17%	53.333	35.38%
1381-85	5.097	145.96	5.995	123.49	112.90	109.13	50.000	41.70%	53.333	44.48%
1386-90	4.111	117.74	5.071	104.46	102.53	106.20	48.516	47.84%	52.166	51.43%
1391-95	4.266	122.17	4.953	102.04	106.33	102.80	49.830	50.30%	53.163	53.66%
1396-1400	4.814	137.86	5.241	107.97	110.84	109.00	50.000	47.70%	56.555	53.95%
1401-05	5.065	145.05	5.702	117.46	114.84	107.20	51.187	44.89%	61.187	53.66%
1406-10	4.974	142.44	5.759	118.64	111.23	108.47	50.000	43.41%	60.000	52.09%
1411-15	5.426	155.38	5.954	122.65	108.11	107.53	50.000	41.99%	60.000	50.39%
1416-20	4.155	119.00	4.592	94.59	113.40	107.50	50.000	54.45%	68.000	74.05%
1421-25	4.205	120.42	5.269	108.54	101.48	94.26	43.841	41.60%	62.658	59.46%
1426-30	4.613	132.11	5.015	103.30	112.27	102.38	40.000	39.88%	53.333	53.18%
1431-35	4.928	141.13	5.613	115.63	108.48	101.4	40.000	35.63%	57.103	50.86%
1436-40	4.440	127.16	5.322	109.63	122.01	106.80	40.000	37.58%	62.267	58.50%
1441-45	4.188	119.93	5.201	107.15	92.53	98.80	40.000	38.45%	63.333	60.88%
1446-50	4.119	117.96	5.379	110.80	100.90	106.20	40.000	37.19%	63.333	58.88%
1451-55	3.184	91.19	4.699	96.79	100.25	97.40	42.981	45.74%	77.244	82.19%
1456-60	2.923	83.71	3.775	77.77	97.06	100.80	50.000	66.22%	110.000	145.69%
1461-65	4.056	116.17	5.186	106.82	102.73	100.00	48.833	47.08%	106.110	102.31%
1466-70	4.387	125.65	5.645	116.28	106.75	111.80	40.000	35.43%	76.667	67.91%
1471-75	2.908	83.29	4.968	102.34	97.76	96.00	41.200	41.47%	80.667	81.19%
1476-80	2.974	85.18	5.847	120.46	90.06	79.2	40.000	34.20%	76.667	65.56%
1481-85	5.473	156.74	8.621	177.59	127.38	120.00	40.000	23.20%	76.667	44.46%
1486-90	3.357	96.16	7.462	153.71	102.77	105.80	40.000	26.80%	76.667	51.37%
1491-95	3.230	92.51	5.768	118.82	106.80	111.80	40.000	34.67%	76.667	66.46%
1496-1500	3.376	96.69	5.265	108.46	96.70	95.80	40.000	37.99%	76.667	72.81%

Year	Mean Prices per Sack All Wools	Index 1451-75 =100 £3.4917	Mean Price Sack Better Wools	Index 1451-75 = 100.00 £4.8544	Phelps Brown & Hopkins Composite 1451-75 = 100	PB&H Livestock Index 1451-75 =100	Denizen Export Duties on Wool Sacks in shillings	Denizen Export Duties as Per Cent of Wool Prices	Alien Export Duties on Wool Sacks in shillings	Alien Export Duties as Per Cent of Wool Prices
------	---	-------------------------------------	--	---	---	---	--	--	--	--

Sources:

English Wool Prices and Export Duties: Terence H. Lloyd, *The Movement of Wool Prices in Medieval England*, Economic History Review Supplements no. 6 (Cambridge, 1973), Statistical Appendix, cols. 2-5, 10-13; pp.35-51; *Calendar of the Fine Rolls, Edward II - Henry VII*, Vols. IV (1327-1337) to XXI (1471-1485); *Rotuli parliamentorum ut et petitiones et placita in Parlamento*, 6 vols. (London, 1767-77), Vols. II - V; F.R. Barnes, 'The Taxation of Wool, 1327-1348', in G. Unwin, ed., *Finance and Trade Under Edward III* (London, 1918), pp. 137-77; N.S.B. Gras, *The Early English Customs System* (Cambridge, Mass., 1918), pp. 76-80; E.M. Carus Wilson and Olive Coleman, eds., *England's Export Trade, 1275-1547* (Oxford, 1963), pp. 194-96; W.M. Ormrod, 'The Crown and the English Economy, 1290-1348', in Bruce M.S. Campbell, ed., *Before the Black Death: Studies in the 'Crisis' of the Early Fourteenth Century* (Manchester, 1991), pp. 149-83.

English Price Indices: E.H. Phelps Brown and S.V. Hopkins, 'Seven Centuries of the Prices of Consumables Compared with Builders' Wage-Rates,' *Economica*, 23 (Nov. 1956), reprinted in their *A Perspective of Wages and Prices* (London, 1981), pp. 24-50, containing additional statistical appendices; John Munro, 'Builders' Wages in Southern England and the Southern Low Countries, 1346 -1500: A Comparative Study of Trends in and Levels of Real Incomes', in Simonetta Caviococchi, ed., *L'Edilizia prima della rivoluzione industriale, secc. XIII-XVIII*, Atti delle "Settimana di Studi" e altri convegni, no. 36, Istituto Internazionale di Storia Economica "Francesco Datini" (Florence, 2005), pp.1013-76.

Table 15. Prices of English Wools at the Calais Staple, in English Sack-Weights For 1475 and 1499, in Pounds Sterling and Pounds Groot Flemish

County of Origin of the Wools	Calais Weight in £ ster	English Sack Weight in £ ster	English Sack Weight in £ groot	Calais Weight in £ ster-ling	English Sack Weight in £ ster	English Sack Weight in £ groot	Index % of Leominster Wool
	1475	1475	1475	1499	1499	1499	1499
Leominster, Hereford				22.333	25.807	37.498	100
March Wools, Shropshire/Hereford	13.333	15.407	18.134	17.000	19.644	28.543	76.1
Middle Leominster				15.667	18.104	26.305	70.2
Fine Cotswolds (Glouc., Worc. Oxf.)	12.000	13.867	16.321	13.000	15.022	21.827	58.2
High Lindsey, Lincolnshire	11.000	12.711	14.961	9.333	10.785	15.670	41.8
Fine Berkshire	11.000	12.711	14.961	11.667	13.482	19.589	52.2
Leominster Refuse				11.000	12.711	18.469	49.3
Middle March: Shropshire/Hereford				11.000	12.711	18.469	49.3
Fine Young Cotswolds				10.333	11.940	17.349	46.3
Middle Cotswolds				9.000	10.400	15.111	40.3
Low Lindsey, Lincolnshire				9.000	10.400	15.111	40.3
Kesteven, Lincolnshire	10.333	11.940	14.054	8.667	10.015	14.552	38.8
Wiltshire	10.333	11.940	14.054				
Oxfordshire: Henley	10.333	11.940	14.054				
Nottinghamshire	10.000	11.556	13.601				
Clay Wolds	10.000	11.556	13.601				
Nottinghamshire: Hatfield	9.833	11.363	13.374				
Warwickshire	9.833	11.363	13.374				
Lindsey Marsh, Lincolnshire	9.833	11.363	13.374				
North Holland, Lincolnshire	9.833	11.363	13.374	8.333	9.629	13.991	37.3
South Holland, Lincolnshire	9.833	11.363	13.374	8.333	9.629	13.991	37.3
Leicestershire	9.667	11.170	13.148				
Rutland	9.667	11.171	13.148	8.333	9.629	13.991	37.3
March Refuse				8.333	9.629	13.991	37.3

County of Origin of the Wools	Calais Weight in £ ster	English Sack Weight in £ ster	English Sack Weight in £ groot	Calais Weight in £ ster-ling	English Sack Weight in £ ster	English Sack Weight in £ groot	Index % of Leominster Wool
	1475	1475	1475	1499	1499	1499	1499
	1475	1475	1475	1499	1499	1499	1499
Middle Berkshire				8.333	9.629	13.991	37.3
Staffordshire	9.500	10.978	12.921				
Buckinghamshire	9.333	10.785	12.694				
Northamptonshire	9.333	10.785	12.694				
Bedfordshire	9.333	10.785	12.694				
Huntingdonshire	9.333	10.785	12.694				
Hertfordshire	9.167	10.593	12.467				
Cambridgeshire	9.167	10.593	12.467				
Derbyshire	9.167	10.593	12.468				
Hampshire	9.167	10.593	12.467				
Surrey	8.833	10.207	12.014	7.333	8.474	12.313	32.8
Yorkshire Wolds	8.833	10.207	12.014				
Derbyshire: Peak District	8.333	9.629	11.334				
Dorset	8.667	10.015	11.787				
Essex	8.333	9.630	11.334				
Sussex	8.333	9.629	11.334				
Kent	8.000	9.244	10.881	7.667	8.86	12.873	34.3
Norfolk	7.667	8.859	10.427	7.333	8.474	12.312	32.8
Yorkshire	7.000	8.089	9.521				
Middle Young Cotswolds				7.000	8.089	11.753	31.3
Cotswolds Refuse				6.333	7.318	10.634	28.4
Middle Kesteven				6.000	6.933	10.074	26.9
Middle Holland				5.666	6.547	9.513	25.4
Middle Rutland				5.667	6.548	9.514	25.4

Calais sack = 315 lb.

County of Origin of the Wools	Calais Weight in £ ster	English Sack Weight in £ ster	English Sack Weight in £ groot	Calais Weight in £ ster-ling	English Sack Weight in £ ster	English Sack Weight in £ groot	Index % of Leominster Wool
	1475	1475	1475	1499	1499	1499	1499

English sack weight = 364 lb.

Sources:

1475: 'Noumbre of Weyghtes', in British Library, Cotton Vespasian E. ix, fo. 106r-7r.

1499: Algemeen Rijksarchief België, Rekenkamer, reg. no. 1158, fo. 226.

John Munro, 'Wool-Price Schedules and the Qualities of English Wools in the Later Middle Ages, ca. 1270 - 1499,' *Textile History*, 9 (1978): 118-69; reprinted in John Munro, *Textiles, Towns, and Trade: Essays in the Economic History of Late-Medieval England and the Low Countries*, Variorum Collected Studies series CS 442 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1994).

Table 16

English Woollack and Broadcloth Exports, in 5 year means, 1281-5 to 1541-45

Years (5) Michaelmas	Woolsacks: by Denizens	% of Total	Woolsacks: by Aliens	% of Total	Total Sacks	Equivalent Broadcloths	Broadcloth Exports	Total as Equivalent Broadcloth
1281-85					26,897.20	116,554.44		116,554.44
1286-90					26,040.80	112,843.38		112,843.38
1291-95					27,919.20	120,983.11		120,983.11
1296-00					23,041.20	99,845.12		99,845.12
1301-05					32,344.00	140,157.23		140,157.23
1306-10	23,041.60	59.30%	15,974.60	40.70%	39,016.20	169,070.07		169,070.07
1311-15	n.a.		n.a.		35,328.60	153,090.48		153,090.48
1316-20	n.a.		n.a.		26,084.60	113,033.18		113,033.18
1321-25	14,074.30	55.56%	11,241.73	44.44%	25,315.40	109,699.98		109,699.98
1326-30	17,888.87	70.76%	7,108.73	29.24%	24,997.60	108,322.85		108,322.85
1331-35	24,633.00	72.97%	9,012.60	27.03%	33,645.60	145,797.49		145,797.49
1336-40	13,180.00	69.44%	7,344.80	30.56%	20,524.80	88,940.73		88,940.73
1341-45	10,565.51	58.09%	7,510.07	41.91%	18,075.58	78,327.43		78,327.43
1346-50	n.a.		n.a.		27,183.13	117,793.45	2,556	120,349.12
1351-55	10,169.40	34.39%	20,581.00	65.61%	30,750.40	133,251.63	1,921	135,172.83
1356-60	n.a.		n.a.		32,666.40	141,554.29	9,061	150,615.29
1361-65	20,899.95	69.03%	9,229.25	30.97%	30,129.20	130,559.77	11,717	142,276.97
1366-70	16,345.60	56.81%	10,106.20	43.19%	26,451.80	114,624.38	14,527	129,151.58
1371-75	16,712.02	64.39%	9,155.78	35.61%	25,867.80	112,093.71	12,211	124,305.11
1376-80	16,898.00	82.67%	3,572.20	17.33%	20,470.20	88,704.13	13,643	102,346.73
1381-85	13,886.80	78.97%	3,630.60	21.03%	17,517.40	75,908.67	22,242	98,150.67
1386-90	15,574.20	80.07%	3,737.80	19.93%	19,312.00	83,685.27	25,610	109,295.27
1391-95	13,593.20	72.00%	4,920.60	28.00%	18,513.80	80,226.40	39,525	119,751.6
1396-00	14,515.80	86.15%	2,373.80	13.85%	16,889.60	73,188.21	38,775	111,963.31
1401-05	11,803.40	91.57%	1,100.80	8.43%	12,904.20	55,918.16	34,570	90,487.76
1406-10	13,392.80	89.41%	1,575.40	10.59%	14,968.20	64,862.15	31,746	96,608.35
1411-15	12,633.20	92.72%	960.00	7.28%	13,593.20	58,903.82	27,183	86,087.22
1416-20	13,355.40	92.98%	1,009.60	7.02%	14,365.00	62,248.29	27,977	90,225.49
1421-25	13,363.60	93.77%	881.60	6.23%	14,245.20	61,729.15	40,275	102,003.75
1426-30	12,429.00	92.60%	929.60	7.40%	13,358.60	57,887.22	40,406	98,292.82
1431-35	8,679.40	85.18%	705.20	14.82%	9,384.60	40,666.57	40,027	80,693.97
1436-40	4,197.80	41.65%	1,181.00	58.35%	5,378.80	23,308.12	47,072	70,380.12
1441-45	6,502.20	69.96%	1,527.20	30.04%	8,029.40	34,794.04	56,456	91,249.84
1446-50	9,176.80	88.50%	588.40	11.50%	9,765.20	42,315.83	45,847	88,162.63
1451-55	7,654.60	84.61%	1,136.20	15.39%	8,790.80	38,093.44	36,700	74,793.44

Table 16

English Woolsack and Broadcloth Exports, in 5 year means, 1281-5 to 1541-45

Years (5) Michaelmas	Woolsacks: by Denizens	% of Total	Woolsacks: by Aliens	% of Total	Total Sacks	Equivalent Broadcloths	Broadcloth Exports	Total as Equivalent Broadcloth
1456-60	5,246.80	81.17%	1,139.60	18.83%	6,386.40	27,674.38	36,489	64163.38
1461-65	5,902.40	90.94%	483.60	9.06%	6,386.00	27,672.65	29,002	56674.25
1466-70	8,508.80	91.12%	784.80	8.88%	9,293.60	40,272.24	37,447	77719.64
1471-75	7,381.20	86.13%	1,072.20	13.87%	8,453.40	36,631.37	36,537	73,168.57
1476-80	7,822.80	81.99%	913.20	18.01%	8,736.00	37,855.97	50,441	88,296.77
1481-85	6,669.60	88.46%	951.80	11.54%	7,621.40	33,026.04	54,198	87,223.84
1486-90	8,923.60	91.51%	827.40	8.49%	9,751.00	42,254.30	50,005	92,259.50
1491-95	5,881.20	83.48%	874.00	16.52%	6,755.20	29,272.51	56,945	86,217.11
1496-00	8,676.80	96.98%	260.40	3.02%	8,937.20	38,727.84	62,583	101,311.24
1501-05	6,735.20	85.62%	1,071.60	14.38%	7,806.80	33,829.44	77,271	111,100.24
1506-10	6,230.40	83.97%	1,095.80	16.03%	7,326.20	31,746.84	84,803	116,549.44
1511-15	6,758.80	95.30%	328.40	4.70%	7,087.20	30,711.18	86,592	117,303.18
1516-20	7,521.60	92.23%	672.80	7.77%	8,194.40	35,509.04	90,099	125,607.84
1521-25	4,598.60	89.47%	533.00	10.53%	5,131.60	22,236.92	82,269	104,505.72
1526-30	4,491.00	92.91%	343.80	7.09%	4,834.80	20,950.78	93,534	114,485.18
1531-35	2,235.20	75.23%	770.00	24.77%	3,005.20	13,022.52	94,087	107109.32
1536-40	3,815.60	96.90%	135.80	3.10%	3,951.40	17,122.72	109,278	126400.72
1541-45	3,879.33	84.01%	696.67	15.99%	4,576.00	19,829.32	118,056	137,884.92

Sources: Calculated from tables of raw data in: E.M. Carus Wilson and Olive Coleman, eds., *England's Export Trade, 1275-1547* (Oxford, 1963), pp. 36-119; A.R. Bridbury, *Medieval English Clothmaking: An Economic Survey* (London, 1982), Appendix F, pp. 118-22.

Table 17.

**Exports of English Broadcloths of Assise
in quinquennial means, 1346-50 to 1551-55**

Years:	Denizen	Hansard	Other Aliens	TOTAL	London	London	London	London	London:
Michaelmas	Exports	Exports	Exports	EXPORTS	Denizens	Hansards	Other Aliens	Total%	of Total
1346-50	2,246		310	2,556					
1351-55	1586		335	1,921					
1356-60	7,376	174	1,511	9,061					
1361-65	9,099	1,020	1,598	11,717					
1366-70	10,978	1,310	2,240	14,527					
1371-75	9,102	1,240	1,869	12,211					
1376-80	9,673	1,383	2,586	13,643					
1381-85	13,949	2,800	5,493	22,242					
1386-90	17,192	3,125	5,293	25,610					
1391-95	22,974	6,346	10,205	39,525					
1396-00	23,318	5,646	9,811	38,775					
1401-05	19,450	6,548	8,571	34,570					
1406-10	12,997	6,568	12,181	31,746	4,889	3,406	5,956	14,251	44.89%
1411-15	12,284	4,980	9,919	27,183	4,295	2,426	7,771	14,493	53.31%
1416-20	14,051	5,722	8,205	27,977	3,869	2,862	5,967	12,698	45.39%
1421-25	21,180	6,935	12,160	40,275	6,076	3,857	6,879	16,812	41.74%
1426-30	20,334	5,304	14,768	40,406	4,975	3,995	8,528	17,498	43.30%
1431-35	25,474	4,062	10,492	40,027	11,034	2,958	3,077	17,069	42.64%
1436-40	22,864	9,145	15,063	47,072	6,485	5,036	6,603	18,124	38.50%
1441-45	28,163	11,336	16,957	56,456	10,071	7,831	6,035	23,938	42.40%
1446-50	25,286	9,301	11,259	45,847	6,356	5,721	2,152	14,229	31.04%
1451-55	20,785	8,214	7,701	36,700	8,484	6,749	1,186	16,419	44.74%
1456-60	18,911	10,017	7,562	36,489	7,829	7,643	690	16,162	44.29%
1460-65	16,046	8,584	4,371	29,002	8,965	6,407	668	16,041	55.31%
1466-70	21,255	5,807	10,386	37,447	13,789	4,357	2,642	20,788	55.51%
1471-75	20,705	3,415	12,417	36,537	13,727	3,061	6,540	23,328	63.85%
1476-80	32,185	8,226	10,030	50,441	19,283	7,033	8,128	34,444	68.29%
1481-85	29,191	13,439	11,568	54,198	16,160	12,434	7,700	36,293	66.96%
1486-90	25,892	13,740	10,373	50,005	14,369	12,465	8,288	35,122	70.24%
1491-95	29,513	15,100	12,332	56,945	14,135	13,868	7,890	35,893	63.03%
1496-00	35,668	17,175	9,740	62,583	20,047	16,282	6,417	42,746	68.30%
1501-05	44,803	17,638	14,830	77,271	21,224	16,819	8,567	46,611	60.32%
1506-10	46,832	16,984	20,987	84,803	27,352	16,473	8,566	52,390	61.78%
1511-15	49,110	21,621	15,861	86,592	33,493	20,739	8,025	62,257	71.90%

Table 17.

**Exports of English Broadcloths of Assise
in quinquennial means, 1346-50 to 1551-55**

Years: Michaelmas	Denizen Exports	Hansard Exports	Other Aliens Exports	TOTAL EXPORTS	London Denizens	London Hansards	London Other Aliens	London Total% of Total	London: Total% of Total
1516-20	51,128	20,411	18,559	90,099	36,485	19,766	6,834	63,084	70.02%
1521-25	48,675	18,457	15,137	82,269	35,565	18,120	8,170	61,854	75.19%
1526-30	56,942	20,402	16,190	93,534	42,657	19,486	10,207	72,350	77.35%
1531-35	53,966	24,274	15,847	94,087	40,988	24,083	10,431	75,503	80.25%
1536-40	61,008	30,747	17,523	109,278	46,704	30,666	14,360	91,731	83.94%
1541-45	n.a.	n.a.	n.a.	118,056	n.a.	n.a.	n.a.	101,550	86.02%
1546-50	n.a.	n.a.	n.a.	135,190	n.a.	n.a.	n.a.	123,780	91.56%
1551-55	n.a.	n.a.	n.a.	126,595	n.a.	n.a.	n.a.	110,888	87.59%

Notes: English Broadcloth = 24 yds by 1.75 yds,
for cloths of assise.:
4 straits and dozens = 1 broadcloth; and 3 kerseys = 1 broadcloth.
From one sack of wool, 4.333 broadcloths could be manufactured

Sources: E.M. Carus Wilson and Olive Coleman, eds., *England's Export Trade, 1275-1547* (Oxford, 1963), pp. 36-119; A.R. Bridbury, *Medieval English Clothmaking: An Economic Survey* (London, 1982), Appendix F, pp. 118-22.

Table 18 **Annual Sales of the Drapery Excise-Tax Farms and Other Production Indices for the Woollen Cloth and Sayetterie Industries of Flanders: quinquennial means, 1315 - 1540**

Years Ending	Ghent: Cloth Outputs: Ramen and Nieuw Huusgeld in £ paiement (a)	Ghent: Total Drapery & Related Tax Farms in £ paiement (b)	Ypres: Total Drapery Tax Farms in £ parisis (c)	Ypres: Total Stalls Rented in the Wulle and Lakenhallen (d)	Hondshoote Say Tax Farm in £ parisis (e)	No. of Says Tax Farm (e)	No. of Says Exported
1316-20	7,442.28	7,442.28					
1321-25	4,136.92	4,395.72					
1326-30	3,408.60	4,787.80					
1331-35	4,339.40	6,011.30					
1336-40	3,516.50	4,946.40					
1341-45	3,360.60	5,002.80					
1346-50	2,689.60	4,375.12					
1351-55	2,755.00	4,580.20					
1356-60	2,468.80	4,511.40					
1361-65	2,231.10	3,873.00					
1366-70	1,383.60	2,697.00					
1371-75	912.00	1,908.85					
1376-80	774.18	1,572.44			44.000	1,320	
1381-85	576.07	896.86			29.600	888	
1386-90	469.70	942.01			37.600	1,128	
1391-95	missing	missing			39.200	1,176	
1396-1400	missing	missing			50.000	1,500	
1401-05	235.40	617.30			54.800	1,644	
1406-10	306.17	641.19	2,198.30	422.33	78.000	2,340	
1411-15	292.37	619.93	3,202.83	437.80	85.600	2,568	
1416-20	330.13	711.28	3,202.94	500.90	117.600	3,528	
1421-25	344.93	824.76	3,187.60	421.20	152.800	4,584	
1426-30	373.23	945.93	2,997.80	367.30	165.800	4,974	
1431-35	290.70	892.55	2,823.92	325.60	172.000	5,160	
1436-40	170.67	591.31	1,872.26	192.60	176.000	5,280	
1441-45	176.73	577.23	2,117.44	182.40	180.000	5,400	
1446-50	190.93	580.47	2,129.40	152.20	278.000	8,340	
1451-55	138.17	435.96	1,812.20	97.00	345.600	10,368	
1456-60	70.57	396.36	1,761.76	70.00	388.000	11,640	
1461-65	52.17	445.77	1,121.12	63.80	404.000	12,120	
1466-70	75.13	580.73	1,123.72	70.60	435.200	13,056	

Table 18 **Annual Sales of the Drapery Excise-Tax Farms and Other Production Indices for the Woollen Cloth and Sayetterie Industries of Flanders: quinquennial means, 1315 - 1540**

Years Ending	Ghent: Cloth Outputs: Ramen and Nieuw Huusgeld in £ paiement (a)	Ghent: Total Drapery & Related Tax Farms in £ paiement (b)	Ypres: Total Drapery Tax Farms in £ paris (c)	Ypres: Total Stalls Rented in the Wulle and Lakenhallen (d)	Hondshoote Say Tax Farm in £ paris (e)	No. of Says Tax Farm (e)	No. of Says Exported
1471-75	110.40	1,224.00	983.84	77.80	464.000	13,920	
1476-80	74.30	1,105.85	795.42	40.80	424.000	12,720	
1481-85	70.20	1,185.00	832.52	24.90	455.000	13,650	
1486-90	17.17	882.70	1,306.37	8.40	488.700	14,661	
1491-95	7.60	861.33	1,235.42	0.00	399.950	11,999	
1496-1500	19.20	1,055.20	1,723.72	0.00	424.000	12,720	
1501-05	22.00	1,466.00			588.000	17,640	
1506-10	15.60	1,672.60			667.200	20,016	
1511-15	16.20	1,720.20			757.600	22,728	
1516-20	10.40	1,846.40			980.000	29,400	
1521-25					1,071.60	32,148	
1526-30					1,163.20	34,896	31583.44
1531-35					1,452.80	43,584	41184.5
1536-40					1439.2	43176	42761.4

Notes:

(a) The *pond* or *livre de paiement* was worth 6d. groot Flemish (6s. *parisis*); and thus £1 *groot* Flemish = £40 *paiement*.

(b) Ghent: the sum of the Ramen, Nieuw Huusgeld, Repe, Elle de Vrijdag Markt, and Stallen in de Wulhuus, to which was added the Waghe (weighing scales) in the 15th century. The last two excise-tax farms are commercial and evidently cover other commodities, as well as wool and cloth.

(c) Ypres: the sum of the Waghe and Wullescale, Lakene, Snede (Retail), and Blauvaerwers (blue-dyers) excise farms. The *livre (pond) paris*, with 20s per *livre*, was worth 20d. *groot* Flemish; and thus £1 *groot* Flemish = £12 *parisis* = £40 *paiement*.

(d) Hondshoote: Each say produced was taxed at 8d. *parisis*; and thus each *livre paris* represented the output of 30 say.

Sources: Stadsarchief Gent, Stadsrekeningen, Reeks 400:4-43, 1335-1520; Algemeen Rijksarchief België, Rekenkamer, reg. nos. 38,635-72; Émile Coornaert, *La draperie-sayetterie d'Hondshoote, XIVE-XVIIIe siècles* (Paris, 1930); calculated from Appendix IV, pp. 485-90.

Table 19.

**Annual Sales of the Drapery Excise-Tax Farms and other Production Indices
for the Woollen Cloth Industries of Brabant and Holland: Mechelen, Leuven, and Leiden
in quinquennial means, 1316-20 to 1546-50**

Year Ending	Mechelen: Total Drapery Tax Farms in £ oude groot (a)	Leuven: £ assisegeld (b) rate-adjusted	Leuven: Total Drapery Tax Farms £ oude groot actual	Leiden: Rijn- Gulden	Leiden: Woolfell Imports (c)	Leiden: Equivalent Woolsacks	Leiden: Cloth Outputs Halvelaken
1316-20	1,177.17						
1321-25	1,210.02						
1326-30	1,277.82						
1331-35	1,563.71						
1336-40	1,045.05						
1341-45	782.31						
1346-50	506.86	17,004.72	250.29				
1351-55	707.91	16,497.32	240.81				
1356-60	467.72	18,670.87	351.44				
1361-65	496.24	25,817.38	709.40				
1366-70	597.66	24,072.47	803.34				
1371-75	540.70	15,551.40	525.56	2,252.999			
1376-80	471.24	13,558.63	564.94	2,801.349			
1381-85	397.29	9,463.95	394.33	2,374.656			
1386-90	353.35	6,218.75	259.11	1,471.874			
1391-95	297.67	5,393.53	224.73	989.317			
1396-1400	300.80	4,091.02	169.34	685.180			
1401-05	270.29	3,306.44	135.07	567.118			
1406-10	272.01	4,164.30	170.87	513.357			
1411-15	275.45	3,482.17	143.18	344.486			
1416-20	276.33	1,979.51	81.77	302.180			
1421-25	357.12	1,426.88	58.93	277.769			
1426-30	352.71			211.771			
1431-35	220.53			213.642			
1436-40	186.98			257.438			
1441-45	190.88			286.892			
1446-50	162.95			268.322	171,393.00	714.14	
1451-55	140.63			451.771	288,911.40	1,203.80	
1456-60	136.15			998.364	308,069.80	1,283.62	

Table 19.

**Annual Sales of the Drapery Excise-Tax Farms and other Production Indices
for the Woollen Cloth Industries of Brabant and Holland: Mechelen, Leuven, and Leiden
in quinquennial means, 1316-20 to 1546-50**

Year Ending	Mechelen: Total Drapery Tax Farms in £ oude groot (a)	Leuven: £ assisegeld (b) rate-adjusted	Leuven: Total Drapery Tax Farms £ oude groot actual	Leiden: Rijn- Gulden	Leiden: Woolfell Imports (c)	Leiden: Equivalent Woolsacks	Leiden: Cloth Outputs Halvelaken
1461-65	154.52			458.636	297,906.00	1,241.28	
1466-70	162.74			590.210	286,951.50	1,195.63	14,745.00
1471-75	185.39				342,359.90	1,426.50	16,555.50
1476-80	225.44				409,500.12	1,706.25	24,198.50
1481-85	235.75				402,846.80	1,678.53	24,259.70
1486-90	258.11				240,073.45	1,000.31	21,289.00
1491-95	212.67				129,472.00	539.47	20,780.00
1496-1500	243.39				321,236.60	1,338.49	22,223.60
1501-05	224.30				290,307.40	1,209.61	25,148.20
1506-10	224.33				298,237.30	1,242.66	23,782.80
1511-15	185.16				324,643.20	1,352.68	24,673.20
1516-20	190.05				344,888.40	1,437.04	26,244.90
1521-25	181.21				190,610.60	794.21	24,334.60
1526-30	143.71				194,221.00	809.25	23,094.20
1531-35	127.51				168,948.00	703.95	17,257.60
1536-40	94.97				228,837.00	953.49	16,646.20
1541-45	115.40				190,428.81	793.45	14,971.00
1546-50	87.75						11,747.00

Sources: Stadsarchief Mechelen, Stadsrekeningen, 1316-1550, Series I: nos. 3-225; Algemeen Rijksarchief, Rekenkamer, reg. nos. 41,219-85; Stadsarchief Leuven, Stadsrekeningen, 1345-1500, nos. 4986-5124; Nicolaas W. Posthumus, *Geschiedenis van de Leidsche lakenindustrie*, 3 vols. (The Hague, 1908-1939), Vol. I: *De Middeleeuwen, veertiende tot zestiende eeuw* (1908), pp. 370-425; Nicholas W. Posthumus, ed., *Bronnen tot de geschiedenis van de leidsche textielnijverheid, 1333-1795*, 3 vols. (The Hague, 1910-1922), Vol. II, 317-20.

Table 20

Weights of Selected Textiles from France, the Low Countries, and England

Date From	Date To	Place	Name	Length ells	Width qtr ells	Square ells Flemish (0.49m)	Length yards	Width yards
medieval semi-worsted								
1278		Bruges	dicke saye	30.000	8.000	60.000	22.966	1.531
1278		Bruges	dinne saye	38.000	8.000	76.000	29.090	1.531
1281		Saint Omer	saye drappée	37.000	8.000	74.000	28.325	1.531
1284		Ypres	saye	39.000	9.500	92.625	29.856	1.818
1294	1302	Valenciennes	dyed biffes	37.000	7.000	64.750	28.325	1.340
1294	1302	Valenciennes	renforchiés sans roies	37.000	7.500	69.375	28.325	1.435
1294	1302	Valenciennes	draps estainfors	25.000	7.000	43.750	19.138	1.340
1294	1302	Valenciennes	couvretures	20.000	7.000	35.000	15.311	1.340
1294	1302	Valenciennes	draps pers (biffe?)	42.000	7.000	73.500	32.152	1.340
1294	1302	Valenciennes	grand drap rayé	33.000	7.000	57.750	25.262	1.340
1300		Arras	saye endrappée	50.000	8.000	100.000	38.276	1.531
1300		Arras	biffes	40.000	8.000	80.000	30.621	1.531
1300		Arras	couvretures d'estanfort	25.000	8.000	50.000	19.138	1.531
1333		Arras	drap entier (?)	52.000	7.500	97.500	39.808	1.435
1333		Arras	grand drap	55.000	7.000	96.250	42.104	1.340
1394		Douai	plain drap oint	40.000	9.500	95.000	30.621	1.818
1394		Douai	dicquedune oint	40.000	9.500	95.000	30.621	1.818
early-modern semi-worsted								
1537		Bergues-St. Winoc	fine narrow say	40.000	4.000	40.000	30.621	0.766
1571	1586	Hondschoote	small say	35.000	3.500	30.625	26.794	0.670
1571	1586	Hondschoote	broad double say	35.000	6.500	56.875	26.794	1.244
1578		Colchester	single bays	44.414	5.225	58.017	34.000	1.000
1578		Colchester	broad say	13.063	5.225	17.064	10.000	1.000
1578		Colchester	silk say	19.594	5.225	25.596	15.000	1.000
1578		Coggeshall	Coxall bay	73.152	9.144	167.225	56.000	1.750
1578		Coggeshall	Coxall bay minikin	41.801	7.838	81.906	32.000	1.500

Table 20

Weights of Selected Textiles from France, the Low Countries, and England

Date From	Date To	Place	Name	Length ells	Width qtr ells	Square ells Flemish (0.49m)	Length yards	Width yards
1578		Essex	double bays	44.414	7.185	79.773	34.000	1.375
1578		Essex-Suffolk	double bay	44.414	10.450	116.034	34.000	2.000
1578		Essex-Suffolk	single bays	44.414	9.144	101.530	34.000	1.750
1578		Essex-Suffolk	Rasse	31.351	7.838	61.430	24.000	1.500
1578		Essex-Suffolk	Staminett	28.738	7.838	56.311	22.000	1.500
1578		Essex-Suffolk	narrow worsteds	19.594	5.225	25.596	15.000	1.000
1578		East-Anglia, Norfolk	Norwich grogaines	18.288	5.225	23.889	14.000	1.000
1578		East-Anglia, Norfolk	Double Mockadoes	18.288	5.225	23.889	14.000	1.000
1578		East-Anglia, Norfolk	Single Mockadoes	18.288	5.225	23.889	14.000	1.000
1578		East-Anglia, Norfolk	Plommets	18.288	5.225	23.889	14.000	1.000
1578		East-Anglia, Norfolk	Mockadoes, tuft	18.288	5.225	23.889	14.000	1.000
1578		East-Anglia, Norfolk	Carells	18.288	5.225	23.889	14.000	1.000
1578		Naples	Fustians	18.288	5.225	23.889	14.000	1.000
medieval, early-modern woollen broadcloths								
1456	1546	Ghent	dickedinnen five seals	30.000	9.500	71.250	22.966	1.818
1510	1546	Armentières	Oultreffin	30.000	8.000	60.000	22.966	1.531
1510	1546	Armentières	Moiens	30.000	8.000	60.000	22.966	1.531
1519		Leuven	Oppersten Zegel	30.000	10.000	75.000	22.966	1.914
1523	1546	Diksmuide	Grooten Claus	30.000	8.500	63.750	22.966	1.627
1539		Haubourdin	Oultreffins	30.000	8.500	63.750	22.966	1.627
1544		Bruges	Dobbel Leeuwen	30.000	8.500	63.750	22.966	1.627
1544		Bruges	Inkel Leeuwen	30.000	8.500	63.750	22.966	1.627
1544		Bruges	Gheecroonde B	30.000	8.000	60.000	22.966	1.531
1544		Bruges	Griffoen	30.000	8.000	60.000	22.966	1.531
1544		Mechelen *	Gulden Aeren	30.000	10.000	72.661	22.605	1.884
			White					
1544		Mechelen *	Aeren: Other	30.000	9.500	69.028	22.605	1.790
1544		Mechelen *	Witte Maecht (Pucelle)	30.000	8.000	58.129	22.605	1.507

Table 20

Weights of Selected Textiles from France, the Low Countries, and England

Date From	Date To	Place	Name	Length ells	Width qtr ells	Square ells Flemish (0.49m)	Length yards	Width yards
1544		Mechelen *	Witte Griffioen	30.000	8.000	58.129	22.605	1.507
1544		Mechelen *	Witte Ghecroonde	30.000	8.000	58.129	22.605	1.507
1552		Suffolk, Essex	Short coloured broadcloth	31.351	9.144	71.668	24.000	1.750
1552		Worcester	Short coloured broadcloth	31.351	9.144	71.668	24.000	1.750
1552		Worcester, Coventry	Long white broadcloths	39.189	9.144	89.585	30.000	1.750
1552		Worcester, Coventry	Long coloured broadcloths	39.189	9.144	89.585	30.000	1.750
1552		East Anglia	kerseys	23.513	5.225	30.715	18.000	1.000
1552		Devonshire	Devon kerseys: dossens	15.675	5.225	20.477	12.000	1.000
1552		England	steites and "checkarsey"	23.513	5.225	30.715	18.000	1.000
1552		England	Sorting kerseys	23.513	5.225	30.715	18.000	1.000
1552		Wales	friezes	47.026	3.919	46.072	36.000	0.750

Table 21. Weights of Selected Textiles from France, the Low Countries, and England

Date From	Place	Name	Length metres	Width metres	Square metres	Weight Local lb.	Weight kilograms	Weight grams per sq metre
medieval semi-worsted								
1278	Bruges	dicke saye	21.000	1.400	29.400	28.000	12.989	441.810
1278	Bruges	dinne saye	26.600	1.400	37.240	30.000	13.917	373.711
1281	Saint Omer	saye drappée	25.900	1.400	36.260	39.000	18.092	498.955
1284	Ypres	saye	27.300	1.663	45.386	40.000	18.556	408.846
1294	Valenciennes	dyed biffes	25.900	1.225	31.727	30.000	13.917	438.642
1294	Valenciennes	renforchiés sans roies	25.900	1.313	33.994	30.000	13.917	409.399
1294	Valenciennes	draps estainfors	17.500	1.225	21.437	21.000	9.742	454.433
1294	Valenciennes	couvretures	14.000	1.225	17.150	18.000	8.350	486.892
1294	Valenciennes	draps pers (biffe?)	29.400	1.225	36.015	31.000	14.381	399.303
1294	Valenciennes	grand drap rayé	23.100	1.225	28.297	30.000	13.917	491.810
1300	Arras	saye endrappée	35.000	1.400	49.000	47.000	21.803	444.965
1300	Arras	biffes	28.000	1.400	39.200	30.000	13.917	355.026
1300	Arras	couvretures d'estanfort	17.500	1.400	24.500	16.000	13.917	568.041
1333	Arras	drap entier (?)	36.400	1.313	47.775	47.000	21.803	456.375
1333	Arras	grand drap	38.500	1.225	47.163	40.000	18.556	393.448
1394	Douai	plain drap oint	28.000	1.663	46.550	40.000	18.556	398.625
1394	Douai	dicquedune oint	28.000	1.663	46.550	38.000	17.628	378.694
early-modern semi-worsted								
1537	Bergues-St. Winoc	fine narrow say	28.000	0.700	19.600	11.000	5.103	260.352
1571	Hondschoote	small say	24.500	0.613	15.006	11.000	5.103	340.052
1571	Hondschoote	broad double say	24.500	1.138	27.869	16.000	7.257	260.416
1578	Colchester	single bays	31.090	0.914	28.428	22.000	9.979	351.025
1578	Colchester	broad say	9.144	0.914	8.361	2.750	1.247	149.185
1578	Colchester	silk say	13.716	0.914	12.542	13.500	6.124	488.243
1578	Coggeshall	Coxall bay	51.206	1.600	81.940	80.000	36.287	442.851

Table 21. Weights of Selected Textiles from France, the Low Countries, and England

Date From	Place	Name	Length metres	Width metres	Square metres	Weight Local lb.	Weight kilograms	Weight grams per sq metre
1578	Coggeshall	Coxall bay minikin	29.261	1.372	40.134	50.000	22.680	565.097
1578	Essex	double bays	31.090	1.257	39.089	28.000	12.701	324.915
1578	Essex-Suffolk	double bay	31.090	1.829	56.857	44.000	19.958	351.025
1578	Essex-Suffolk	single bays	31.090	1.600	49.750	24.000	10.886	218.821
1578	Essex-Suffolk	Rasse	21.946	1.372	30.101	42.000	19.051	632.908
1578	Essex-Suffolk	Staminett	20.117	1.372	27.592	32.000	14.515	526.054
1578	Essex-Suffolk	narrow worsteds	13.716	0.914	12.542	7.000	3.175	253.163
1578	East-Anglia, Norfolk	Norwich grogaines	12.802	0.914	11.706	5.000	2.268	193.747
1578	East-Anglia, Norfolk	Double Mockadoes	12.802	0.914	11.706	4.000	1.814	154.998
1578	East-Anglia, Norfolk	Single Mockadoes	12.802	0.914	11.706	3.000	1.361	116.248
1578	East-Anglia, Norfolk	Plommets	12.802	0.914	11.706	4.000	1.814	154.998
1578	East-Anglia, Norfolk	Mockaodes, tuft	12.802	0.914	11.706	6.000	2.722	232.497
1578	East-Anglia, Norfolk	Carells	12.802	0.914	11.706	4.000	1.814	154.998
1578	Naples	Fustians	12.802	0.914	11.706	6.000	2.722	232.497
medieval, early-modern woollen broadcloths								
1456	Ghent	dickedinnen five seals	21.000	1.663	34.913	51.000	22.126	633.766
1510	Armentières	Oultreffin	21.000	1.400	29.400	52.000	24.123	820.503
1510	Armentières	Moiens	21.000	1.400	29.400	52.000	19.484	662.714
1519	Leuven	Oppersten Zegel	21.000	1.750	36.750	53.182	24.872	676.777
1523	Diksmuide	Grooten Claus	21.000	1.488	31.238	50.000	23.195	742.537
1539	Haubourdin	Oultreffins	21.000	1.488	31.238	48.000	22.267	712.836
1544	Bruges	Dobbel Leeuwen	21.000	1.488	31.238	48.000	22.267	712.836
1544	Bruges	Inkel Leeuwen	21.000	1.488	31.238	44.000	20.412	653.433
1544	Bruges	Gheecroonde B	21.000	1.400	29.400	40.000	18.556	631.156
1544	Bruges	Griffoen	21.000	1.400	29.400	38.000	17.628	599.599
1544	Mechelen *	Gulden Aeren	20.670	1.723	35.604	58.000	27.216	764.416
		White						
1544	Mechelen *	Aeren: Other	20.670	1.636	33.824	58.000	27.216	804.648
1544	Mechelen *	Witte Maecht (Pucelle)	20.670	1.378	28.483	58.000	27.216	955.520

Table 21. Weights of Selected Textiles from France, the Low Countries, and England

Date From	Place	Name	Length metres	Width metres	Square metres	Weight Local lb.	Weight kilograms	Weight grams per sq metre
1544	Mechelen *	Witte Griffioen	20.670	1.378	28.483	58.000	27.216	955.520
1544	Mechelen *	Witte Ghecroonde	20.670	1.378	28.483	58.000	27.216	955.520
1552	Suffolk, Essex	Short coloured broadcloth	21.946	1.600	35.117	64.000	29.030	826.656
1552	Worcester	Short coloured broadcloth	21.946	1.600	35.117	64.000	29.030	826.656
1552	Worcester, Coventry	Long white broadcloths	27.432	1.600	43.897	84.000	38.102	867.988
1552	Worcester, Coventry	Long coloured broadcloths	27.432	1.600	43.897	80.000	36.287	826.656
1552	East Anglia	kerseys	16.459	0.914	15.050	23.000	10.433	693.185
1552	Devonshire	Devon kerseys: dossens	10.973	0.914	10.034	14.000	6.350	632.908
1552	England	steites and "checkarsey"	16.459	0.914	15.050	24.000	10.886	723.324
1552	England	Sorting kerseys	16.459	0.914	15.050	23.000	10.433	693.185
1552	Wales	friezes	32.918	0.686	22.575	48.000	21.772	964.431

Sources:

Georges Espinas and Henri Pirenne, eds., *Recueil de documents relatifs à l'histoire de l'industrie drapière en Flandre: Ire partie: des origines à l'époque bourguignonne*, 4 vols. (Brussels, Commission royale d'histoire, 1906-1924); Georges Espinas, ed., *Documents relatifs à la draperie de Valenciennes au moyen âge* (Paris, 1931); Georges Espinas, *La draperie dans la Flandre française au moyen âge*, 2 vols. (Paris, 1923); Henri De Sagher et al., eds., *Recueil de documents relatifs à l'histoire de l'industrie drapière en Flandre, IIe partie: le sud-ouest de la Flandre depuis l'époque bourguignonne*, 3 vols. (Brussels, 1951-66); Octave Delepierre and M.F. Willems, eds., *Collection des keuren ou statuts de tous les métiers de Bruges* (Ghent, 1842); Marc Boone, 'Nieuwe teksten over de Gentse draperie: wolaanvoer, productiewijze en controlepraktijken (ca. 1456 - 1468)', *Bulletin de la commission royale d'histoire de Belgique*, 154 (1988), 40, doc. no. 3:v; M. Lameere, H. Simont, eds., *Recueil des ordonnances des Pays Bas: deuxième série, 1506 - 1700*, vol. V (Brussels, 1910); Stadsarchief Leuven, no. 1526, fo. 203r-10v; Great Britain, Record Commission, *Statutes of the Realm*, 6 vols. (London, 1810-22), Vol. IV:i, 136-7 (5-6 Edward VI, cap. 6, pt. 1); H. De Schryver, *De oude landmaten in Vlaanderen* (Brussels, 1968), pp. 15-8; Émile Coornaert, *Une industrie urbaine; du XVe au XVIIe siècle: l'industrie de la laine à Bergues-Saint-Winoc* (Paris, 1930); Émile Coornaert, *La draperie-sayerterie d'Hondschoote, XVe-XVIIIe*

siècles (Paris, 1930); Florence Edler, 'Le commerce d'exportation des sayes d'Hondschoote vers Italie d'après la correspondance d'une firme anversoise, entre 1538 et 1544', *Revue du Nord*, 22 (1936), 255-6; Guy De Poerck, *La draperie médiévale en Flandre et en Artois: Technique et terminologie*, 3 vols. (Bruges, 1951); Patrick Chorley, 'The Cloth Exports of Flanders and Northern France During the Thirteenth Century: A Luxury Trade?' *Economic History Review*, 2nd ser. 40 (1987), 349-79; A. P. Usher, *The Industrial History of England* (Boston, 1920), p. 200; J.E. Pilgrim, 'The Rise of the "New Draperies" in Essex', *University of Birmingham Historical Journal*, 7 (1959-60), 36-59; John Munro, 'The "Industrial Crisis" of the English Textile Towns, 1290 - 1330,' *Thirteenth-Century England: VII*, ed. Michael Prestwich, Richard Britnell, and Robin Frame (Woodbridge, UK: Boydell Academic Press, 1999), pp. 103-41.

Table 22 **Dimensions, Compositions, and Weights
of Selected Textiles in the Low Countries and England**

Drapery: Town	Name of Textile	Dates of the Ordinances	Wools Used	Warp Count	Weight in kg on Loom
A. Traditional Old Draperies: Woollens					
Ghent	Dickedinnen 5 Seal	1456-62; 1546	English: Fine March, Cotswolds, Berkshire	2066	38.179
Leuven	Oppersten Zegel	1519	English: Middle March, Cotswolds, Berkshire	2400	42.090
Mechelen	Gulden Aeren	1544	English: Leominster (Herefordshire)	3120	n.s
Suffolk, Essex	Suffolk Short Cloths	1552	English: short-stapled	n.s	n.s
B. Nouvelles Draperies: Woollens					
Armentières	Oultreffin	1510; 1546	Spanish (2/3) + English: Cotswolds, Lindsay, Berks.	1800	40.823
Diksmuide	Grooten Claus	1523; 1546	Spanish, English, Scottish, Rhenish, Flemish	1968	38.968
Haubourdin	Oultreffin	1539	Spanish (2/3) + English	1800	38.040
Bruges	Dobbel Leeuwen	1544	Spanish merino exclusively	2010	n.s
C. Draperies Légères: Worstedes, Says, Stuffs					

Table 22 **Dimensions, Compositions, and Weights
of Selected Textiles in the Low Countries and England**

Drapery: Town	Name of Textile	Dates of the Ordinances	Wools Used	Warp Count	Weight in kg on Loom
Bergues-St.-Winoc	Fine narrow say	1537	Flemish, Artesian	1400	n.s
Hondshoote	Small double say	1571; 1576	Flemish, Scottish, Frisian, Kempen	1800	n.s
Colchester (Essex)	Single bays	1579	English long (warp) & short (weft)-stapled	n.s	n.s
Essex	Broad says	1579	English long stapled (warp); wefts n.s.	n.s	n.s

Table 22b **Dimensions, Compositions, and Weights of Selected Textiles in the Low Countries and England**

Name of Textile	Place of Manufacture	Length on Loom in m.	Width on Loom in m.	Final Length Metres	Final Width Metres	Area in m ²	Warps per cm	Weight in kg.	Weight g/m ²
A. Traditional Old Draperies: Woollens									
Dickedinnen 5 Seal	Ghent, Flanders	29.750	2.5375	21.0000	1.663	34.913	12.43	22.126	633.77
Oppersten Zegel	Leuven, Brabant	29.885	2.7800	20.8500	1.738	36.227	13.81	25.254	697.11
Gulden Aeren	Mechelen, Brabant	33.072	2.7560	20.6700	1.723	35.604	18.11	27.217	764.42
Short Broad Cloths	Suffolk, England	n.s	n.s	22.5552	1.645	37.095	n.s	29.030	782.58
B. Nouvelles Draperies: Woollens									
Oultreffin	Armentières, Flanders	29.4	2.1000	21.0000	1.400	29.400	12.86	24.123	820.50
Grooten Claus	Duiksmuide, Flanders	28.700	2.5375	21.0000	1.488	31.238	13.23	23.195	742.54
Oultreffin	Haubourdin, Flanders	29.400	2.1000	21.0000	1.488	31.238	12.10	22.267	712.84
Dobbel Leeuwen	Bruges, Flanders	30.800	2.4500	21.0000	1.488	31.238	13.51	22.267	712.84

Table 22b

**Dimensions, Compositions, and Weights of Selected
Textiles in the Low Countries and England**

**C. Draperies
Légères:
Worstedes,
Says, Stuffs**

Fine narrow say	Bergues-St. Winoc, Flanders	n.s	n.s	28.0000	0.700	19.600	20.00	5.103	260.35
Small double say	Hondschoote, Flanders	28.000	1.006	25.7250	0.875	22.509	20.57	7.257	322.42
Single bays	Colchester, Essex	n.s	n.s	31.9532	0.940	30.030	n.s	9.979	332.31
Broad says	Essex	n.s	n.s	9.3984	0.940	8.833	n.s	1.247	141.19

Sources:

Georges Espinas and Henri Pirenne, eds., *Recueil de documents relatifs à l'histoire de l'industrie drapière en Flandre: Ire partie: des origines à l'époque bourguignonne*, 4 vols. (Brussels, Commission royale d'histoire, 1906-1924); Georges Espinas, ed., *Documents relatifs à la draperie de Valenciennes au moyen âge* (Paris, 1931); Georges Espinas, *La draperie dans la Flandre française au moyen âge*, 2 vols. (Paris, 1923); Henri De Sagher et al., eds., *Recueil de documents relatifs à l'histoire de l'industrie drapière en Flandre, IIe partie: le sud-ouest de la Flandre depuis l'époque bourguignonne*, 3 vols. (Brussels, 1951-66); Octave Delepierre and M.F. Willems, eds., *Collection des keuren ou statuts de tous les métiers de Bruges* (Ghent, 1842); Marc Boone, 'Nieuwe teksten over de Gentse draperie: wolaanvoer, productiewijze en controlepraktijken (ca. 1456 - 1468)', *Bulletin de la commission royale d'histoire de Belgique*, 154 (1988), 40, doc. no. 3:v; M. Lameere, H. Simont, eds., *Recueil des ordonnances des Pays Bas: deuxième série, 1506 - 1700*, vol. V (Brussels, 1910); Stadsarchief Leuven, no. 1526, fo. 203r-10v; Great Britain, Record Commission, *Statutes of the Realm*, 6 vols. (London, 1810-22), Vol. IV:i, 136-7 (5-6 Edward VI, cap. 6, pt. 1); H. De Schryver, *De oude landmaten in Vlaanderen* (Brussels, 1968), pp. 15-8; Émile Coornaert, *Une industrie urbaine; du XIVe au XVIIe siècle: l'industrie de la laine à Bergues-Saint-Winoc* (Paris, 1930); Émile Coornaert, *La draperie-sayetterie d'Hondschoote, XIVe-XVIIIe siècles* (Paris, 1930); Florence Edler, 'Le commerce d'exportation des sayes d'Hondschoote vers Italie d'après la correspondance d'une firme anversoise, entre 1538 et 1544', *Revue du Nord*, 22 (1936), 255-6; Guy De Poerck, *La draperie médiévale en Flandre et en Artois: Technique et terminologie*, 3 vols. (Bruges, 1951); Patrick Chorley, 'The Cloth Exports of Flanders and Northern France During the Thirteenth Century: A Luxury Trade?' *Economic History Review*, 2nd ser. 40 (1987), 349-79; A. P. Usher, *The Industrial History of England* (Boston, 1920), p. 200; J.E. Pilgrim, 'The Rise of the "New Draperies" in Essex', *University of Birmingham Historical Journal*, 7 (1959-60), 36-59; John Munro, 'The "Industrial Crisis" of the English Textile Towns, 1290 -

1330,' *Thirteenth-Century England: VII*, ed. Michael Prestwich, Richard Britnell, and Robin Frame (Woodbridge, UK: Boydell Academic Press, 1999), pp. 103-41.

Table 23

Woollen Cloth Production in the Medici Drapery, 1556 - 1558
Costs in Florentine Gold Florins (fiorini d'oro)
For 71 woollen cloths made from Spanish merino wools

Process/Materials	florins	soldi	denari	florins	florins per piece	% of pre-finishing	% of Total Costs
Manufacturing							
wool-washing	19	14	0	19.700	0.277	1.43%	0.64%
wool-beating	56	19	8	56.983	0.803	4.12%	1.85%
wool-combing (warps)	106	15	9	106.788	1.504	7.73%	3.47%
wool-carding (wefts)	90	8	7	90.429	1.274	6.54%	2.94%
wool-preparation				273.900	3.858	19.82%	8.90%
spinning	650	11	1	650.554	9.163	47.08%	21.14%
warping	22	5	0	22.250	0.313	1.61%	0.72%
weaving	365	2	3	365.113	5.142	26.42%	11.87%
Weaving				387.363	5.456	28.03%	12.59%
burling	18	17	7	18.879	0.266	1.37%	0.61%
scouring	27	15	5	27.771	0.391	2.01%	0.90%
fulling	13	19	2	13.958	0.197	1.01%	0.45%
tentering	9	8	10	9.442	0.133	0.68%	0.31%
Fulling				70.050	0.987	5.07%	2.28%
Subtotal: Pre-Finishing				1381.867	19.463	100.00%	44.91%
Shearing	23	6	0	23.300	0.328		0.76%
Mending	1	8	8	1.433	0.020		0.05%
Twisting selvage	5	10	9	5.538	0.078		0.18%
Shearing/Finishing				30.271	0.426		0.98%
Woad-washing	10	19	7	10.979	0.155		0.36%
Dyeing	309	5	6	309.275	4.356		10.05%

Table 23

Woollen Cloth Production in the Medici Drapery, 1556 - 1558
Costs in Florentine Gold Florins (fiorini d'oro)
For 71 woollen cloths made from Spanish merino wools

Dyeing costs				320.254	4.511	10.41%
Management costs						
tools	12	10	0	12.500	0.176	0.41%
rent	52	0	0	52.000	0.732	1.69%
administration	98	5	10	98.292	1.384	3.19%
salaries	128	13	4	128.667	1.812	4.18%
brokerage	7	15	0	7.750	0.109	0.25%
Sub-total management				299.208	4.214	9.72%
Raw Materials						
Wools: Spanish	921	6	11	921.346	12.977	29.95%
Dyestuffs	36	12	10	36.642	0.516	1.19%
Oil	53	8	5	53.421	0.752	1.74%
Soap	33	14	9	33.738	0.475	1.10%
Sub-total: materials				1045.146	14.720	33.97%
TOTAL COSTS				3076.746	43.334	100.00%

Source:

Raymond De Roover, 'A Florentine Firm of Cloth Manufacturers: Management of a Sixteenth-Century Business,' *Speculum*, 16 (1941), 3-33; reprinted in his *Business Banking, and Economic Thought in Late Medieval and Early Modern Europe: Selected Studies of Raymond De Roover*, ed., Julius Kirshner (Chicago, 1974), pp. 85-118.

Table 24

Woollen Cloth Prices in the 15th Century

I. Prices of Flemish, Brabantine, and Dutch Woollens as Purchased by Various Town Governments in the Low Countries, c. 1438 - 1443							
Town	Textile	Ells Long	Value in £ groot Flemish	Value in Florentine Florins: 50d	Value in £ sterling	Number of Days Wages For a Mason to Buy 10 ells in Bruges	in Antwerp
						10d/day	6.67/day
A. Traditional Woollens							
Ypres	Scarlet (full-grained)	35	12.567	60.322	11.383	86.17	129.26
Ypres	Black Broadcloth	35	7.000	33.600	6.341	48.00	72.00
Bruges	Scarlet (full-grained)	33	11.000	52.800	9.964	80.00	120.00
Bruges	Black Broadcloth	33	8.000	38.400	7.246	58.18	87.27
Ghent	Dickedinnen	30	7.000	33.600	6.341	56.00	84.00
Mechelen	Blue Broadcloth	30	7.275	34.920	6.590	58.20	87.30
Leuven	Fine Broadcloth	30	4.152	19.930	3.761	33.22	49.82
Leiden	Pair halvelakenen	36	5.304	25.459	4.804	35.36	53.04
B. Nouvelles Draperies							
Wervik	Scarlet (full-grained)	20	7.000	33.600	6.341	84.00	126.00
Wervik	Fine Black Broadcloth	20	5.750	27.600	5.208	69.00	103.50
Wervik	Dark Green	27	3.900	18.720	3.533	34.67	52.00
Kortrijk	Red Broadcloth	30	3.500	16.800	3.170	28.00	42.00
Menin	Fine Black Broadcloth	30	6.000	28.800	5.435	48.00	72.00
Menin	Perse-Blue Broadcloth	30	4.600	22.080	4.167	36.80	55.20
Neuve-Eglise	Medley Broadcloth	30	2.125	10.200	1.925	17.00	25.50
Hesdin	Green Broadcloth	30	3.000	14.400	2.717	24.00	36.00
Nieperke	Red Broadcloth	30	2.125	10.200	1.925	17.00	25.50
Roeselaere	Red Broadcloth	30	2.500	12.000	2.264	20.00	30.00
Diest (Brabant)	Green Broadcloth	30	2.687	12.898	2.434	21.50	32.24
C. Draperies Légères							

Table 24

Woollen Cloth Prices in the 15th Century

(Sèches)

Eecke	dukers, witkins	30	0.563	2.702	0.510	4.50	6.76
Meunekereede	dukers, witkins	30	0.563	2.702	0.510	4.50	6.76

**II. Prices of English
Woollens and
Worstedes and Foreign
Linens in the Royal
Wardrobe Accounts,
1438 - 1439**

Place	Textile	Yds Long	Value in £ groot Flemish	Value in Florentine Florins: 44d	Value in £ sterling	Number of Days Wages For a Mason to Buy 8 yds London 8d/daily	Oxford 6d/daily
England	Scarlet (highest value)	30	31.464	155.455	28.500	228.00	304.00
England	Scarlet (mean value)	30	19.911	98.373	18.035	144.28	192.37
England	Dyed Long Cloth (highest)	30	15.456	76.364	14.000	112.00	149.33
England	Dyed Long Cloth (mean)	30	8.237	40.698	7.461	59.69	79.59
England	Dyed Short Cloth (highest)	24	4.416	21.818	4.000	40.00	53.33
England	Dyed Short Cloth (mean)	24	2.810	13.882	2.545	25.45	33.93
England	Dyed Short Cloth (lowest)	24	1.546	7.636	1.400	14.00	18.67
England	Kersey (mean)	18	1.485	7.335	1.345	17.93	23.91
England	Straits (mean)	12	0.364	1.800	0.330	6.60	8.80
England	Worsted	12	0.258	1.276	0.234	4.68	6.24
Holland	linens	12	1.607	7.942	1.456	29.12	38.83
Brabant	linens	12	0.349	1.724	0.316	6.32	8.43

Table 24

Woollen Cloth Prices in the 15th Century

**III. Prices of Flemish,
French, Italian,
Spanish, and English
Woollens in Spain
(Barcelona, Valencia,
Majorca):
Sales by the Datini
Firm, 1394 - 1410**

Place/Town	Textile	Rank	Value in £ groot Flemish 34d/florin	Value in Florentine Florins	Value in £ sterling 36d/florin
Flanders					
Wervik, Kortrijk	dyed woollen broadcloths	mean	3.953	27.900	4.185
Comines, Menin	dyed woollen broadcloths	mean	3.953	27.900	4.185
Bruges	dyed woollen broadcloths	mean	6.235	44.010	6.602
Brabant					
Brussels	dyed woollen broadcloths	mean	6.259	44.180	6.627
Mechelen	dyed woollen broadcloths	mean	6.259	44.180	6.627
France					
Montivilliers	dyed woollen broadcloths	mean	4.460	31.480	4.722
Italy					
Florence	dyed woollen broadcloths	mean	9.128	64.430	9.665
Prato, Genoa	dyed woollen broadcloths	mean	8.873	62.630	9.395
Spain					
Perpignano	dyed woollen broadcloths	lowest	1.512	10.670	1.601
Perpignano	dyed woollen broadcloths	mean	1.930	13.620	2.043
Perpignano	dyed woollen broadcloths	highest	2.645	18.670	2.801
Puigcerda	dyed woollen broadcloths	mean	1.512	10.670	1.601
Villefranca	dyed woollen broadcloths	mean	1.247	8.800	1.320
Villefranca	dyed woollen broadcloths	mean	1.190	8.400	1.260

Table 24

Woollen Cloth Prices in the 15th Century

Barcelona	dyed woollen broadcloths	mean	1.680	11.860	1.779
England					
Essex	straits (dozens)	mean	0.867	6.120	0.918

**IV. Prices of Italian,
Catalan, French,
Flemish Woollens sold
in Naples and Sicily,
1380 - 1410:**

Place/Town	Textile	Rank	Value in £ groot Flemish 34d/florin	Value in Florentine Florins	Value in £ sterling 36d/florin
Italy					
Florence	San Martino woollens	lowest	8.293	58.540	8.781
Florence	San Martino woollens	mean	8.605	60.740	9.111
Florence	San Martino woollens	highest	8.915	62.930	9.440
Milan, Como	dyed woollen broadcloths	lowest	5.667	40.000	6.000
Milan, Como	dyed woollen broadcloths	mean	6.143	43.360	6.504
Milan, Como	dyed woollen broadcloths	highest	6.375	45.000	6.750
Prato, Pisa, Siena	dyed woollen broadcloths	lowest	3.071	21.680	3.252
Prato, Pisa, Siena	dyed woollen broadcloths	mean	3.686	26.020	3.903
Prato, Pisa, Siena	dyed woollen broadcloths	highest	4.300	30.350	4.553
Catalonia					
Perpignano	dyed woollen broadcloths	mean	2.408	17.000	2.550
Villefranca	dyed woollen broadcloths	mean	1.327	9.370	1.406
France					
Languedoc	dyed woollen broadcloths	mean	2.267	16.000	2.400
Gignac, Beziers	dyed woollen broadcloths	mean	2.479	17.500	2.625
Carcassonne	dyed woollen broadcloths	mean	2.692	19.000	2.850

Table 24

Woollen Cloth Prices in the 15th Century

Flanders					
Wervik	dyed woollen broadcloths		3.683	26.000	3.900

**V. Prices for Italian,
Catalan, French,
Flemish, Brabantine,
and English Textiles
in the Levant
(Alexandria,
Damascus,
and Constantinople,
c.1390 - 1435**

Place/Town	Textile	Place of Sale and date	Value in £ groot Flemish 34d/florin 50d/florin	Value in Florentine Florins	Value in £ sterling 36d/florin 40d/florin
Florence	grade 1 woollens	D: 1390	4.958	35.000	5.250
Florence	grade 2 woollens	D: 1390	6.517	46.000	6.900
Florence	grade 3 woollens	D: 1390	7.650	54.000	8.100
Florence	panni di fontego	D: 1390	3.825	27.000	4.050
Florence	grade 1 woollens	D: 1398	4.250	30.000	4.500
Florence	grade 2 woollens	D: 1398	6.134	43.300	6.495
Florence	grade 2 woollens	D: 1398	6.375	45.000	6.750
Florence	grade 1 woollens	A: 1400	4.250	30.000	4.500
Florence	grade 1 woollens	A: 1402	5.313	37.500	5.625
Catalonia					
Villefranca	dyed woollen broadcloths	D: 1390	2.338	16.500	2.475
Villefranca	dyed woollen broadcloths	D: 1395	2.054	14.500	2.175
Barcelona	dyed woollen broadcloths	D: 1390	2.196	15.500	2.325
Barcelona	dyed woollen broadcloths	D: 1395	1.700	12.000	1.800
Puigcerda	dyed woollen broadcloths	D: 1395	1.771	12.500	1.875
Perpignano	woollen 'simples'	D: 1395	2.054	14.500	2.175

Table 24

Woollen Cloth Prices in the 15th Century

Perpignano	panni alla francesca	D: 1395	2.451	17.300	2.595
France					
Louviers	dyed woollen broadcloths	A:1390	3.613	25.500	3.825
Narbonne	dyed woollen broadcloths	A: 1396	1.488	10.500	1.575
Narbonne	dyed woollen broadcloths	D: 1396	1.488	10.500	1.575
Narbonne	dyed woollen broadcloths	A: 1399	2.754	19.440	2.916
Flanders					
Wervik	dyed woollen broadcloths	D: 1395	2.720	19.200	2.880
Wervik	dyed woollen broadcloths	C: 1436	5.896	28.300	4.717
Wervik	dyed woollen broadcloths	C: 1436	4.583	22.000	3.667
Brabant					
Mechelen	dyed woollen broadcloths	D: 1395	5.454	38.500	5.775
England					
Worcestershire	Cotswolds	D: 1405	4.958	35.000	5.250
	Cotswolds	D: 1410	2.083	14.700	2.205
	Panni Bastardi	D: 1414	3.542	25.000	4.167
	Panni Bastardi	D: 1414	3.967	28.000	4.667
	Panni Bastardi	D: 1416	2.833	20.000	3.333
Salisbury	Wiltshires	D: 1416	2.833	20.000	3.333
Essex	straits (dozens)	D: 1416	0.850	6.000	1.000
Norfolk or Ireland?	Saia d'Irlanda	D: 1394	0.638	4.500	0.675
Norfolk or Ireland?	Saia d'Irlanda	D: 1395	0.751	5.300	0.795
Norfolk or Ireland?	Saia d'Irlanda	D: 1397	0.850	6.000	0.900
Norfolk or Ireland?	Saia d'Irlanda	D: 1398	0.503	3.550	0.533

VI. Prices for Italian, English, Flemish, Brabantine, Dutch, French, and Rhenish Textiles in Poland (Cracow), c. 1400

Prices for Woollens of 35 Flemish Ells

Place/Town	Textile	Groszes per ell	Value in £ groot Flemish 34d/florin	Value in Florentine Florins	Value in £ sterling 36d/florin
------------	---------	-----------------	-------------------------------------	-----------------------------	--------------------------------

Table 24

Woollen Cloth Prices in the 15th Century

Italy						
Florence	dyed woollen broadcloths	20	4.132	29.170	4.376	
Florence	dyed woollen broadcloths	22	4.545	32.080	4.812	
Flanders						
Bruges	dyed woollen broadcloths	30	6.198	43.750	6.563	
Dendermonde	dyed woollen broadcloths	15	3.098	21.870	3.281	
Kortrijk	dyed woollen broadcloths	12	2.479	17.500	2.625	
Geraardsbergen	dyed woollen broadcloths	12	2.479	17.500	2.625	
Brabant						
Brussels	dyed woollen broadcloths	20	4.132	29.170	4.376	
Brussels	dyed woollen broadcloths	32	6.612	46.670	7.001	
Mechelen	dyed woollen broadcloths	17	3.512	24.790	3.719	
Leuven	dyed woollen broadcloths	16	3.305	23.330	3.499	
Lier	dyed woollen broadcloths	24	4.958	35.000	5.250	
Lier	dyed woollen broadcloths	18	3.719	26.250	3.938	
Tienen	dyed woollen broadcloths	14	2.893	20.420	3.063	
Tienen	small cloths	9	1.859	13.120	1.968	
Herentals	dyed woollen broadcloths	18	3.719	26.250	3.938	
Holland						
Leiden ?	Ostrodommensis	15	3.098	21.870	3.281	
England						
London	dyed woollen broadcloths	12	2.479	17.500	2.625	
London	dyed woollen broadcloths	24	4.958	35.000	5.250	
unspecified	dyed woollen broadcloths	14	2.893	20.420	3.063	
Artois						
Arras	sayes	3	0.619	4.370	0.656	
Enghien	unspecified	8	1.653	11.670	1.751	
Rhineland						
Aachen	unspecified	8	1.653	11.670	1.751	

Sources: Based upon cloth-price sources utilized in John Munro, 'Industrial Protectionism in Medieval Flanders: Urban or National?' in Harry Miskimin, David Herlihy, and A. L. Udovitch, eds., *The Medieval City* (New Haven and London, 1977), pp. 229-6; John Munro, 'The Medieval Scarlet and the Economics of Sartorial Splendour,' in , ed. Negley B. Harte and Kenneth G. Ponting, eds., *Cloth and Clothing in Medieval Europe: Essays in Memory of Professor E. M. Carus-Wilson* Pasold Studies in Textile History No. 2 (London, 1983), pp. 13-70; John Munro, 'Industrial Transformations in the North-West European Textile Trades, c. 1290 - c. 1340: Economic Progress or Economic Crisis?' in Bruce M. S. Campbell, ed., *Before the Black Death: Studies in the 'Crisis' of the Early Fourteenth Century* (Manchester and New York, 1991), pp. 110 - 48; John Munro, 'The Origins of the English 'New Draperies': The Resurrection of an Old Flemish Industry, 1270 - 1570,' in Negley B. Harte, ed., *The New Draperies in the Low Countries and England, 1300 - 1800*, Pasold Studies in Textile History no. 10 (Oxford and New York, 1997), pp. 35-127; John Munro, 'Textiles as Articles of Consumption in Flemish Towns, 1330 - 1575,' *Bijdragen tot de geschiedenis*, 81:1-3 (1998): 275-88; John Munro, 'The Symbiosis of Towns and Textiles: Urban Institutions and the Changing Fortunes of Cloth Manufacturing in the Low Countries and England, 1270 -1570,' *The Journal of Early Modern History: Contacts, Comparisons, Contrasts*, 3:1 (February: 1999): 1-74.

Table 25 The Dimensions and Compositions of Selected Flemish and English Woollens and Says, 1456 - 1576

DRAPERY	GHENT	ARMENTIERES	ENGLAND	HONDSCHOOTE	BERGUES-ST. WINOC
Name of Textile	Dickedinnen Five Seals	Oultreffin	Short Broadcloth: Suffolk, Essex	Small Double Say	Fine Narrow Say
Ordinance Date	1456-62, 1546	1510, 1546	1552	1571; 1576	1537
Wools Used	English: Fine March, Cotswolds, Berkshires	2/3 Spanish merino + 1/3 English: Cotswolds, Lindsey, Berkshires	English: short-stapled (unspecified)	Flemish, Scottish, Frisian, Pomeranian, Kempen	Flemish, Artesian
Warp Count	2066	1800	n.s.	1800	1400
Length on Loom	42.5 ells ^a = 29.75 m	42 ells ^a = 29.4 m	n.s.	40 ells ^a = 28.0 m	n.s.
Width on Loom	14.5 qtr ells = 2.5375 m	12 qtr ells = 2.10 m	n.s.	5.75 qtr ells = 1.006 m	n.s.
Weight on Loom	88 lb ^b = 38.179 kg	88 lb. ^c = 40.823 kg	n.s.	n.s.	n.s.
Length after Fulling	30 ells = 21.0 m	30 ells = 21.0 m	24 yards ^c = 32.22 ells = 22.555 m	36.75 ells = 25.725 m	40 ells = 28.0 m
Width after Fulling and/or Tentering	9.5 qtr ells = 1.6625 m	8 qtr ells = 1.400 m	7 qtr yds = 9.4 qtr ells = 1.645 m	5 qtr ells = 0.875 m	4 qtr ells = 0.700 m
Warps per cm	12.46	12.86	n.s.	20.6	20
Final Weight	51.0 lb ^b = 22.126 kg	52.0 lb ^c = 24.123 kg	64 lb. ^d = 29.030 kg	16.0 lb ^d = 7.257 kg	11 lb. ^c = 5.103 kg
Area in sq. m.	34.913 sq m	29.400 sq m	37.103 sq m	22.509 sq m	19.600 sq m

DRAPERY	GHENT	ARMENTIERES	ENGLAND	HONDSCHOOTE	BERGUES-ST. WINOC
Weight: per sq metre in grams	633.8 g	820.5 g	782.4 g	322.4 g	260.4 g

- a. Flemish ell = 0.700 m b. Ghent pound = 433.85 g c. Bruges pound = 463.90 g d. English pound avoirdupois = 453.593 g
e. English cloth yard = 37 in. = 0.9398 m = 1.343 Flemish ell

Table 26:

THE PURCHASING POWER OF WAGES IN 15TH CENTURY LONDON

PURCHASING POWER OF A LONDON CRAFTSMAN'S DAILY WAGE in 1438 - 1439:							
In terms of a master mason's or master carpenter's daily wage of 8d.							
COMMODITY	Price per Unit	Unit	Quantity Purchased by Daily		Quantity Purchased by Weekly	No. of Days' Wages to	No. of Days' Wages at 6d per day
	in d.		Wage of 8d		Wage of 48d	Buy 7 yds	for Oxford & Cambridge mason
TEXTILES							
Canvas	2.000	yard	4.000	24.000	24.000	1.75	2.33
Brabant Linen	6.400	yard	1.250	7.500	7.500	5.60	7.47
Flemish Linen	12.100	yard	0.661	3.967	3.967	10.59	14.12
English Worsted	3.500	yard	2.286	13.714	13.714	3.06	4.08
English Kersey, Dyed	17.900	yard	0.447	2.682	2.682	15.66	20.88
English Broadcloth, Dyed: average	25.400	yard	0.315	1.890	1.890	22.23	29.63
English Broadcloth, Dyed: highest	40.000	yard	0.200	1.200	1.200	35.00	46.67
Scarlet Broadcloth: average	144.200	yard	0.055	0.333	0.333	126.18	168.23
Scarlet Broadcloth: highest range	228.000	yard	0.035	0.211	0.211	199.50	266.00
Flemish Broadcloth (Ghent Dickedinnen)	65.158	yard	0.123	0.737	0.737	57.01	76.02
Silk: Velvet: average	181.080	yard	0.044	0.265	0.265	158.45	211.26
Silk: Velvet: highest range	279.960	yard	0.029	0.171	0.171	244.97	326.62
Silk: Damask	144.000	yard	0.056	0.333	0.333	126.00	168.00
Silk: Plain Satin	105.000	yard	0.076	0.457	0.457	91.88	122.50
						No. Days' Wages to	No. Days' Wages at
						to Buy Unit	6d per day to buy
OTHER COMMODITIES: Food and Fuel							
							the Unit
Almonds	3.000	pound	2.667	16.000	16.000	0.38	0.50

PURCHASING POWER OF A LONDON CRAFTSMAN'S DAILY WAGE in 1438 - 1439:							
In terms of a master mason's or master carpenter's daily wage of 8d.							
COMMODITY	Price per Unit	Unit	Quantity Purchased by Daily Wage of 8d	Quantity Purchased by Weekly Wage of 48d	Quantity Purchased by Weekly Wage of 48d	No. of Days' Wages to Buy 7 yds	No. of Days' Wages at 6d per day for Oxford & Cambridge mason
Honey	2.500	pints	3.200	19.200	19.200	0.31	0.42
Milk	1.000	gallons	8.000	48.000	48.000	0.13	0.17
Butter	1.000	pints	8.000	48.000	48.000	0.13	0.17
Salt	0.500	pints	16.000	96.000	96.000	0.06	0.08
Eggs	0.157	number	51.000	306.000	306.000	0.02	0.03
Apples	0.080	number	100.000	600.000	600.000	0.01	0.01
Rye Flour	4.000	pound	2.000	12.000	12.000	0.50	0.67
Chickens	5.000	number	1.600	9.600	9.600	0.63	0.83
Capons	1.509	number	5.300	31.800	31.800	0.19	0.25
Rabbits	4.000	number	2.000	12.000	12.000	0.50	0.67
Sole (Fish)	2.182	number	3.667	22.000	22.000	0.27	0.36
Red Wine	5.000	gallons	1.600	9.600	9.600	0.63	0.83
Penny Ale (Beer)	0.748	gallons	10.700	64.200	64.200	0.09	0.12
Good-Quality Ale	1.778	gallons	4.500	27.000	27.000	0.22	0.30
Tallow Candles	1.333	number	6.000	36.000	36.000	0.17	0.22
Coal	0.748	bushels	10.700	64.200	64.200	0.09	0.12
SPICES							
Pepper	18.028	pound	0.444	2.663	2.663	2.25	3.00
Ginger	12.000	pound	0.667	4.000	4.000	1.50	2.00
Cinnamon	24.151	pound	0.331	1.988	1.988	3.02	4.03
Cloves	35.556	pound	0.225	1.350	1.350	4.44	5.93
Saffron	182.857	pound	0.044	0.263	0.263	22.86	30.48
Sugar	16.000	pound	0.500	3.000	3.000	2.00	2.67

Table 27: Woollen Cloth Production in the Medici Drapery, 1556 - 1558
For 71 woollen cloths made from Spanish merino wools

Process/Materials	florins	soldi	denari	florins	florins per piece	Percent of pre-finishing	% of Total Costs
Manufacturing							
wool-washing	19	14	0	19.700	0.277	1.43%	0.64%
wool-beating	56	19	8	56.983	0.803	4.12%	1.85%
wool-combing (warps)	106	15	9	106.788	1.504	7.73%	3.47%
wool-carding (wefts)	90	8	7	90.429	1.274	6.54%	2.94%
wool-preparation				273.900	3.858	19.82%	8.90%
spinning	650	11	1	650.554	9.163	47.08%	21.14%
warping	22	5	0	22.250	0.313	1.61%	0.72%
weaving	365	2	3	365.113	5.142	26.42%	11.87%
Weaving				387.363	5.456	28.03%	12.59%
burling	18	17	7	18.879	0.266	1.37%	0.61%
scouring	27	15	5	27.771	0.391	2.01%	0.90%
fulling	13	19	2	13.958	0.197	1.01%	0.45%
tentering	9	8	10	9.442	0.133	0.68%	0.31%
Fulling				70.050	0.987	5.07%	2.28%
Subtotal: Pre-Finishing				1381.867	19.463	100.00%	44.91%
Shearing	23	6	0	23.300	0.328		0.76%
Mending	1	8	8	1.433	0.020		0.05%
Twisting selvage	5	10	9	5.538	0.078		0.18%

Table 27: Woollen Cloth Production in the Medici Drapery, 1556 - 1558
For 71 woollen cloths made from Spanish merino wools

Process/Materials	florins	soldi	denari	florins	florins per piece	Percent of pre- finishing	% of Total Costs
Shearing/Finishing				30.271	0.426		0.98%
Woad-washing	10	19	7	10.979	0.155		0.36%
Dyeing	309	5	6	309.275	4.356		10.05%
Dyeing costs				320.254	4.511		10.41%
Management costs							
tools	12	10	0	12.500	0.176		0.41%
rent	52	0	0	52.000	0.732		1.69%
administration	98	5	10	98.292	1.384		3.19%
salaries	128	13	4	128.667	1.812		4.18%
brokerage	7	15	0	7.750	0.109		0.25%
Sub-total management				299.208	4.214		9.72%
Raw Materials							
Wools: Spanish	921	6	11	921.346	12.977		29.95%
Dyestuffs	36	12	10	36.642	0.516		1.19%
Oil	53	8	5	53.421	0.752		1.74%
Soap	33	14	9	33.738	0.475		1.10%
Sub-total: materials				1045.146	14.720		33.97%
TOTAL COSTS				3076.746	43.334		100.00%

Table 28: Comparative Costs of Wool and of Cloth-Manufacturing in the Woollen Draperies of Leuven, Ypres, Florence, and Essex: from the 15th to the 18th Centuries

Place	Leuven	Leuven	Ypres	Florence	Florence	Essex	Essex
Date	1434	1442	1501	1534	1558	1759	1759
Textile Features	Woollen Broadcloth	Woollen Broadcloth	Woollen Broadcloth	Woollen Broadcloth	Woollen Broadcloth	Worsted Say	Worsted Say
Dimensions in yards	23 x 1.7	23 x 1.7	23 x 1.9			27 x ?	42 x 1.0?
Type of Wool	English: Fine Lincolnshire	English: Fine Lincolnshire	English: Cotswolds	Spanish: Merino	Spanish: Merino	English: Long-staple	English: Long-Staple
Currency	pond groot Flemish	pond groot Flemish	pond groot Flemish	gold florins	gold florins	English £ sterling	English £ sterling
Cost of Wool	£3.094	£2.288	£ 6.601	10.63	12.98	£0.813	£1.800
Pre-Finishing Manufacturing Costs	£0.967	£1.039	£ 3.677	13.69	20.69	£1.004	£2.804
Sub-total	£4.061	£3.327	£10.278	24.32	33.67	£1.817	£4.604
Dyeing, Finishing, Other Costs	£0.892	£0.825	£ 2.447	6.45	9.66	£0.027	£0.031
Total Costs	£4.953	£4.152	£12.725	30.77	43.33	£1.844	£4.635
Sterling equivalent: Gold	£4.486	£3.761	£ 9.163	£7.693	£14.443		
Sterling equivalent: Silver	£4.043	£3.389	£8.758			£1.844	£4.635
Phelps Brown & Hopkins Index	109	85	107	145	230	673	673

